

International Classification of Procedures in Medicine

Volume 1

- 1. Procedures for Medical Diagnosis
- 2. Laboratory Procedures
- 4. Preventive Procedures
- 5. Surgical Procedures
- 8. Other Therapeutic Procedures
- 9. Ancillary Procedures

Published for trial purposes in accordance with
resolution WHA29.35 of the Twenty-ninth World Health Assembly,
May 1976



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To be published:

3. RADIOLOGY AND CERTAIN OTHER APPLICATIONS OF PHYSICS
IN MEDICINE
- 6 and 7. DRUGS, MEDICAMENTS AND BIOLOGICAL AGENTS

INTRODUCTION

This Classification is intended to present in a systematic fashion the many procedures used in different branches of medicine, a task which the World Health Organization is undertaking for the first time.

The difficulties and problems encountered in preparing a Classification of Procedures in Medicine are similar to those experienced for the International Classification of Diseases, aggravated by the absence of international experience in the fields to be covered. Although certain countries have experience in these fields, especially in the classification of surgical procedures, their views and methods of approach are divergent enough to make the task of harmonizing their classifications a complicated one.

Probably these considerations motivated the cautious approach taken in the report of the International Conference for the Ninth Revision of the International Classification of Diseases, convened by the World Health Organization at WHO headquarters in Geneva from 30 September to 6 October 1975:¹

"2. Classification of Procedures in Medicine

In response to requests from a number of Member States, the Organization had drafted a classification of therapeutic, diagnostic and prophylactic procedures in medicine, covering surgery, radiology, laboratory and other procedures. Various national classifications of this kind had been studied and advice sought from hospital associations in a number of countries. The intention was to provide a tool for use in the analysis of health services provided to patients in hospitals, clinics, outpatient departments, etc.

The Conference congratulates the Secretariat on this important development and

Recommends that the provisional procedures classifications should be published as supplements to, and not as integral parts of, the Ninth Revision of the International Classification of Diseases. They should be published in some inexpensive form and, after two or three years' experience, revised in the light of users' comments."

Subsequently the Twenty-ninth World Health Assembly, meeting in May 1976, endorsed this recommendation in resolution WHA29.35, in which it approved "the publication, for trial purposes, of supplementary classifications of Impairments and Handicaps and of Procedures in Medicine, as supplements to, but not as integral parts of, the International Classification of Diseases."

The present provisional edition of the Classification of Procedures in Medicine has been prepared by WHO in compliance with this resolution, in the hope that it will serve as a basis for further collaboration and development.

¹ World Health Organization. Manual of the international statistical classification of diseases, injuries and causes of death, 1975 revision, Geneva, 1977, vol. 1, p. xvii.

Preparation of the Classification

Activities for the preparation of the proposals for the International Classification of Procedures in Medicine began at about the same time as those for the Ninth Revision of the International Classification of Diseases and were carried out in parallel.

Scope and form

At a meeting of a working party convened in April 1971 in Chicago, USA, under the auspices of the American Hospital Association, the following consensus was reached on certain requisites to be fulfilled by the Classification:

- (a) it should be susceptible of expansion for those who need greater detail, but it should also offer the possibility of use in a condensed form;
- (b) it should be applicable to inpatients and outpatients;
- (c) it should include all types of procedures to be recorded for statistical, administrative, clinical or research purposes, encompassing exploratory, radiological, surgical and other procedures of a diagnostic, prophylactic or therapeutic nature.

In accordance with these recommendations, the present provisional Classification consists of nine chapters:

- 1. Procedures for medical diagnosis
- 2. Laboratory procedures
- 3. Radiology and certain other applications of physics in medicine¹
- 4. Preventive procedures
- 5. Surgical operations
- 6 and 7. Drugs, medicaments and biological agents¹
- 8. Other therapeutic procedures
- 9. Ancillary procedures

Structure

The International Classification of Procedures in Medicine has a structure similar to that of the International Classification of Diseases. Each volume will contain a tabular list and an alphabetical index.

The complete series of categories for the nine chapters are numbered from 1-100 to 9-823, the first digit denoting the chapter number. The

¹ To be published subsequently.

Classification is significant at the three-digit level; the fourth digit provides for greater detail and precision. Optional fifth-digit subdivisions are provided for in some categories.

Sources

Chapter 1, on "Procedures for medical diagnosis", is based mainly on Physicians' current procedural terminology (American Medical Association), but other sources have been also used, such as Canada's Schedule of unit values, the Ontario Medical Association list of fees and the Nomenclature des actes professionnels (France).

The classification of laboratory procedures (chapter 2) is based largely on a French project which was modified in order to take into account the ever growing number of new techniques.

The chapter on "Radiology and certain other applications of physics in medicine" (chapter 3) was originally based on a Swedish classification, a French proposal and the classification used in Switzerland by the Bureau national de la Santé et du Bien-Etre, and later modified by the WHO Radiation Medicine unit in order to take into consideration the opinion of specialists from the International Radiological Society.

Chapter 4, on "Preventive procedures", is based on reports of health centres in several countries and includes mainly methods and techniques traditionally considered as preventive and susceptible of application to individuals.

The Eighth Revision of the International Classification of Diseases (Adapted) (United States Public Health Service Publication No. 1693) served as a basis for the classification of surgical operations (chapter 5), but some items were extracted from other sources, particularly the Dutch code (Algemene Ziekenfondsen, 1968) and the Classification of the Office of Population Censuses and Surveys (England and Wales, 1974), as well as several other lists and working documents issued by hospitals and public health administrations in all regions of the world. However, the arrangement of categories is based on topography, not surgical specialty.

Two chapters are provided for the classification of drugs, medicaments and biological agents (chapters 6 and 7). They follow as closely as possible the corresponding series of categories in sections 960-979 of the Ninth Revision of ICD, which classify the toxic effects of these substances. The code numbers have been derived by omitting the ICD first digit "9" and by adding an additional digit for further detail. For example, the ICD category 960.0 Penicillins becomes 6-00 in the Drugs classification and the subdivisions 6-000 to 6-009 allow for identification of the varieties of penicillin.

Chapter 8, on "Other therapeutic procedures", as indicated by its title, includes medical therapeutic procedures not elsewhere classified. The axis chosen is the type of intervention instead of the anatomical system.

The final chapter, "Ancillary procedures" (chapter 9), contains all procedures not included in the preceding chapters. It is, therefore, a collection of marginal activities which might seem to have little relationship with the aims of most users of this classification. However, they have been included because they are, or might be, encountered as recorded procedures having a bearing on professional clinical activities.

Mode of utilization

The use of the International Classification of Procedures in Medicine should not present real problems for coders, since the steps for assigning the code numbers are similar to those followed for coding with ICD.

Evidently, the user should carefully review the arrangement of the tabular lists and the alphabetical indexes in order to become familiar with the contents and the manner of presentation and especially to become familiar with the terminology used in these classifications.

In the tabular lists the categories are numerically ordered, but some gaps will be found which are intended for greater flexibility and possible modifications if the need arises. As in ICD the fourth-digit subdivisions contain a few inclusion terms to clarify the contents of the category; exclusion notes are also used for that purpose. The reference: "Other available codes: ..." indicates to the reader the place where other related procedures have been classified.

The alphabetical indexes are organized in a way similar to the ICD Index, and are also based on lead terms which may or may not have several levels of indented modifiers. The complete terms are followed by the four-digit code. Where fourth-digit subdivisions are common for a group of three-digit categories, the fourth digit is replaced by a dash (-) and in these cases the fourth digit must be looked for in the tabular list. The optional fifth-digit subdivisions are not shown in the indexes.

For some purposes the chapters of the International Classification of Procedures in Medicine can be used separately, for example: chapter 3 by a radiotherapy department, chapter 2 by a laboratory service, chapter 4 by a preventive unit not offering treatment services, and chapters 6 and 7 by a pharmacy. Health institutions should, however, strive to use the complete set of nine chapters.

Since in the majority of circumstances a patient will be subject to more than one procedure, the principle of multiple coding appears essential, within chapters as well as between chapters. Ideally, all the procedures should be coded. This is especially advisable from the administrative standpoint (charges, accounting, etc) and for statistical purposes. However, it is for the health institution or administration to decide how many items should be coded from each chapter and in each case.

The use of the four-digit codes will provide more precise and accurate information. Although the three-digit codes are also significant, they are less precise and offer less detail; the use of the four-digit codes is therefore preferable.

The design of the system used for gathering the data, the forms to enter the code numbers and other aspects of data processing will depend on the characteristics and needs of institutions; no attempt is therefore made here to propose such a system.

Coding with the International Classification of Procedures in Medicine is simpler than coding with ICD, since there are no special rules for coding as is the case for ICD, where we find a set of rules for single-condition coding in mortality and morbidity. Coding problems encountered with these new classifications, if any, should be dealt with in a classroom situation.

The following abbreviations are used in this volume:

NOS	not otherwise specified
NEC	not elsewhere classified

Comments and suggestions

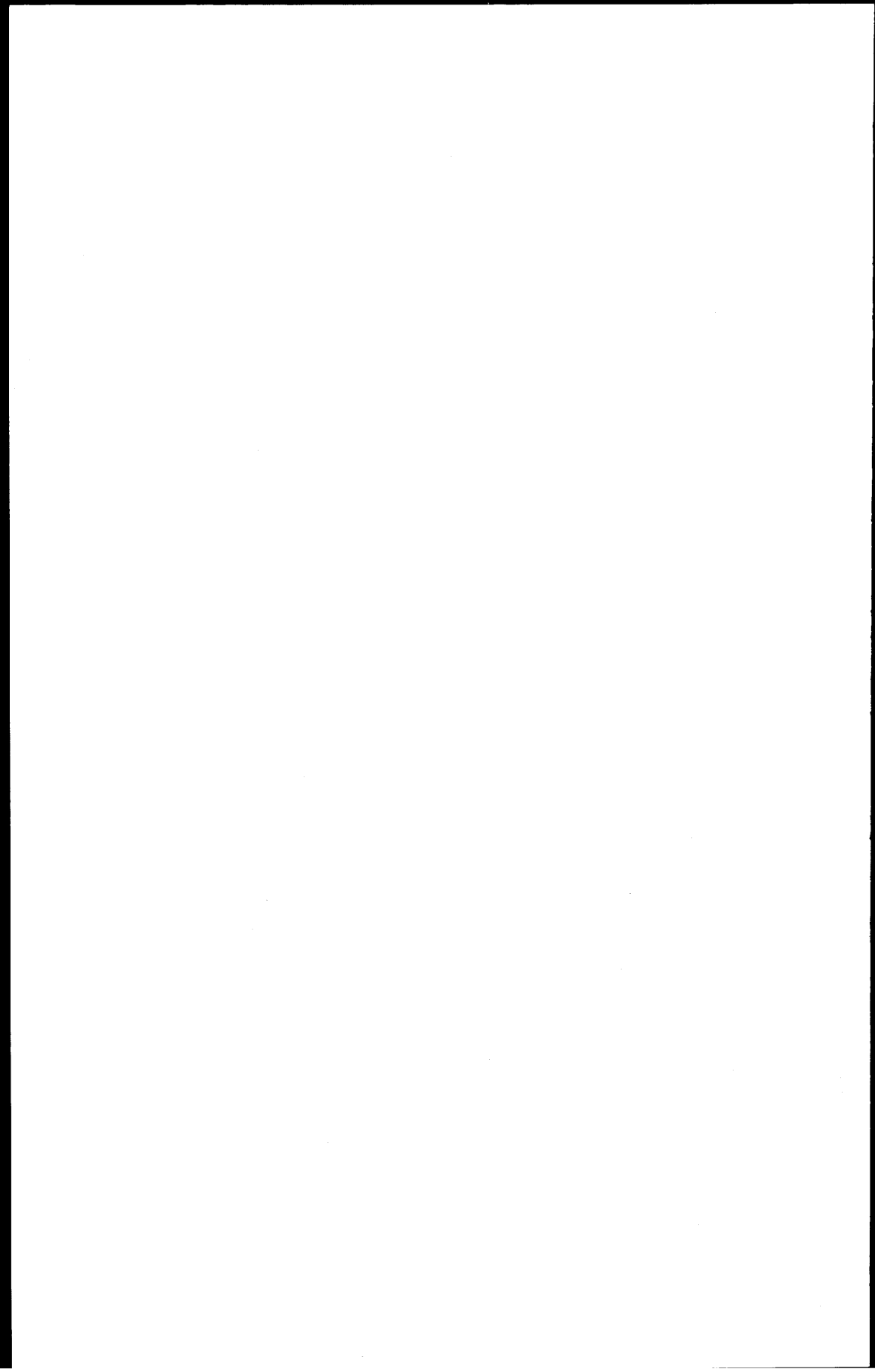
Users of the International Classification of Procedures in Medicine are requested to forward their comments and suggestions, after an experience of two or three years, to:

Head, WHO Centre for Classification of Diseases
Office of Population Censuses and Surveys
St Catherine's House
10 Kingsway
London WC2B 6JP
United Kingdom

or

Head, WHO Center for Classification of Diseases for North
America
National Center for Health Statistics
US Public Health Service
Department of Health, Education and Welfare
Washington, DC
United States of America

TABULAR LIST



1. PROCEDURES FOR MEDICAL DIAGNOSIS

1. PROCEDURES FOR MEDICAL DIAGNOSIS

MEDICAL SERVICES

The term "external examination" refers to physical examination, performed by a physician by means of inspection, external palpation, percussion and auscultation where these are pertinent procedures.

The following fourth-digit subdivisions are for use with categories 1-10 to 1-18:

- 0 Brief
with short or interval history and general inspection of
the patient
- 1 Limited
with history plus external examination referred to one
organ or two symetric organs
- 2 Intermediate
with history plus external examination referred to one body
system
- 3 Extensive
with history plus external examination referred to two or
more body systems
- 4 Complete
with history plus external examination referred to the whole
body
- 9 Not otherwise specified

INITIAL MEDICAL ATTENTION

Includes:	recording of: history physical examination intended diagnostic program treatment prescribed	}	at the start of the current episode of care
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1-10 Initial medical attention, outpatient

1-11 Initial medical attention, inpatient

Excludes: newborn (1-190 to 1-192)

1-12 Initial medical attention, other patient

Includes:	day hospital domiciliary emergency service extended care or convalescent night hospital	}	patient
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SUBSEQUENT MEDICAL ATTENTION

Includes: recording of:

history	}	after the start of the current episode of care
physical examinations		
other examinations		
treatment given		
evolution		
final summary	}	of the current episode of care
diagnoses		

- 1-13 Subsequent medical attention, outpatient
- 1-14 Subsequent medical attention, inpatient
- 1-15 Subsequent medical attention, other patient

CONSULTATION

Includes: written opinion or advice given, at the request of the attending physician, by another physician, about specialized evaluation or further treatment

Excludes: subsequent attentions if the consultant physician assumes the responsibility for continuing services to the patient (1-13 to 1-15)

- 1-16 Consultation, outpatient
- 1-17 Consultation, inpatient
- 1-18 Consultation, other patient

NEWBORN SERVICES

- 1-19 In-hospital newborn care
- 1-190 Apgar scoring of newborn, without other initial medical evaluation
- 1-191 Initial medical evaluation of newborn, without Apgar scoring
- 1-192 Apgar scoring with other medical evaluation of newborn
- 1-193 Recording of birthweight
- 1-194 Recording of crown-heel length
- 1-195 Recording of other newborn measurements
- 1-198 Subsequent care of healthy newborn
- 1-199 Not otherwise specified

EXAMINATION OF SPECIAL SYSTEMS

1-20 Neurological examination

1-200 Sensory mapping and testing

Excludes: auditory (1-23)
visual (1-21)

1-201 Clinical reflex testing

1-202 Tendon reflex time recording

1-203 Nerve conduction testing

1-204 Determination of pain threshold

1-205 Muscle power testing

1-206 Examination of cerebrospinal fluid

Diagnostic lumbar puncture or cisternal puncture

1-207 Electroencephalography

1-209 Other instrumental neurological examination

Transillumination of skull

1-21 Visual testing

1-210 Perimetry

Color fields

Visual fields

1-211 Visual acuity

Reading test

1-212 Visual acuity of infants and illiterates

1-213 Eikonometric examination

Prescription of aniseikonic lenses

1-214 Dark adaptation visual acuity

1-215 Color vision testing

Color lanterns

Pseudoisochromatic plates

1-216 Ocular muscle balance testing

Binocular vision

Stereoscopic vision

1-22 Other ophthalmological examination

1-220 Ophthalmoscopy

Funduscopy

1-221 Slit lamp examination

1-222 Photography of fundus oculi

1-223 Photostagmography

1-224 Measurement of curvature of eye

Refraction with contact lenses

1-225 Tonometry

Ophthalmodynamometry
Perilimbal suction

Recording tonometry

1-226 Gonioscopy

1-229 Other instrumental ophthalmological examinations

Transillumination of sclera

Excludes: fluorescent angiography of retina (1-802)

1-23 Auditory and vestibular function tests

1-230 Subjective audiometry

Audiometry NOS

Bekesy 5-tone audiometry

1-231 Impedance audiometry

Tympanogram

Stapedial reflex response

1-232 Clinical tests of hearing

Tuning fork tests

Whispered speech

1-233 Audiological evaluation

Barany noise machine
Blindfold test
Delayed feedback

Equiloudness balance
Masking
Weber lateralization

1-234 Clinical vestibular function tests

Thermal tests

1-235 Rotation tests

Barany chair

1-239 Other auditory and vestibular function tests

Electrocochleography

1-24 Otorhinolaryngological examinations

1-240 Routine otoscopy

Auroscopy

1-241 Magnifying otoscopy

1-242 Other instrumental examination of ear

1-243 Rhinoscopy

1-244 Transillumination of antrum

1-245 Other examination of nose

1-246 Other instrumental examination of throat

1-249 Instrumental otorhinolaryngological examination,
not otherwise specified

1-25 Cardiovascular examinations

1-250 In-depth clinical cardiovascular examination

1-251 Heart rate recording

1-252 Arterial pulse recording

Carotid artery tracing

1-253 Arterial plethysmography

Blood pressure recording

1-254 Blood flow recording

1-255 Phonocardiography

Intracardial phonocardiology

1-256 Ballistocardiography

1-257 Other instrumental examination of heart

1-259 Other instrumental examination of circulation

Excludes: cardiac function tests (1-72)
catheterization of heart and vessels (1-27)
electrical response of heart (1-26)

1-26 Electrical response of heart

1-260 Electrocardiography

ECG, EKG

1-261 Esophageal electrode

For heart monitoring

1-262 Dynamic electrocardiography

DCG

With exercise test

1-263 Vector electrocardiography

1-264 Emergency or operative methods

Epicardial recording at operation Portable apparatus

1-265 Endocardial catheter recording

Atrioventricular bundle (AV) activity Tripolar catheter electrode
Bundle of His (H) electrograms

1-266 Interpretation of and report on electrocardiograms

1-267 Display of electrical response

Contourograph

1-269 Other and unspecified electrical response of heart

Excludes: monitoring of fetal heart during labor (8-961)

1-27 Catheterization of heart and vessels

1-270 Jugular vein catheterization

1-271 Inferior vena cava catheterization

1-272 Central venous pressure (CVP) measurement

1-273 Intravenous catheterization of heart

Cardiac catheterization, unqualified

1-274 Transseptal cardiac catheterization

1-275 Retrograde catheterization of left heart

1-276 Myocardial oxygen consumption

1-278 Other catheterization of heart

1-279 Other diagnostic catheterization of vessels

EXAMINATION OF OTHER SPECIAL SYSTEMS

1-30 Stomatological examinations

- 1-300 Dental examination
- 1-301 DMF (diseased, missing, filled) charting
- 1-302 Diagnostic occlusal mulds
- 1-304 Buccal examination with finger
- 1-309 Other examination of oral cavity

(Other available code: sialography (see Chapter 3))

1-31 Examination of upper digestive and respiratory tract

- 1-310 Pharyngeal examination with finger
- 1-312 Retrieval of vomit for analysis
- 1-313 Esophageal manometry
- 1-319 Other instrumental examination of upper digestive tract

1-32 Gastrointestinal examination

- 1-320 Digital exploration of rectum
- 1-321 Electrogastrogram
- 1-322 Stomal calibration
- 1-329 Other instrumental examination of gastrointestinal tract

Excludes: endoscopy with incision (1-695)
other endoscopy (1-64)

1-33 Examination of urinary tract

- 1-330 Evaluation of bladder sensation
- Detrusor reflex testing
- 1-331 Residual urinary volume
- 1-332 Diagnostic catheterization of bladder
- 1-333 Continuous flow cystometry
- 1-334 Other cystometry

Air cystometry
Cystometrography

- 1-335 Urethral pressure measurements

1-336 Meatal calibration

1-339 Other instrumental examination of the urinary tract

Excludes: collection of urine from single ureter (1-654)
endoscopy (1-65)
renal function tests (2-34)

1-34 Examination of male genital organs

1-340 In-depth clinical examination of male genital organs

1-341 Collection of semen specimen for examination

1-349 Other instrumental examination of male genital system

Excludes: examination of spermatic fluid (2-285)

1-35 Examination of female genital system

1-350 Internal clinical gynecological examination

Digital exploration through vagina Inspection with vaginal speculum

1-351 Endocrine assessment, vaginal cytology

1-352 Endocrine assessment, endometrial cytology

1-353 Postcoital plug examination for infertility

1-354 Intrauterine pressure measurement

1-355 Placental localization

1-358 Other instrumental gynecological examination

Excludes: culdoscopy (1-696)
insufflation of fallopian tubes (5-667)

1-359 Other instrumental obstetric examination

Excludes: amniocentesis (5-753)

1-36 Musculoskeletal examinations

1-360 In-depth clinical examination of musculoskeletal system

1-361 Measurement of limb lengths

Detection of asymmetry

1-362 Measurement of range of movement

1-363 Electromyography

1-369 Other instrumental musculoskeletal examinations

Excludes: anthropometric studies (1-950)

1-37 Examination of other systems

1-370 Skin temperature measurement

1-379 Other instrumental examinations

Excludes: electrical recording (1-960)
medical photography (1-961)

BIOPSY

Includes: biopsy by endoscopy, punch biopsy, percutaneous
needle biopsy and superficial smears

Excludes: biopsy by incision, open operation or excision
of tissue (1-50 to 1-59)

1-40 Biopsy of nervous system and endocrine organs

1-400 Adrenal, percutaneous biopsy

1-401 Brain and meninges, percutaneous biopsy

1-402 Nerve, percutaneous biopsy

1-409 Other nervous or endocrine structure, percutaneous biopsy

1-41 Biopsy of ear, eye and skin of face

1-410 External ear, biopsy

1-411 Biopsy of ear by otoscopy

1-412 Skin of eyelid or eyebrow, biopsy

1-413 Conjunctiva, biopsy

1-414 Skin of nose or face, biopsy

1-415 Biopsy of nose by rhinoscopy

1-42 Biopsy of larynx, pharynx and vascular organs

1-420 Biopsy of larynx by laryngoscopy

1-421 Oral cavity, biopsy

Tongue Palate

Excludes: lips (1-480)

1-422 Tonsils, fauces and adenoids, biopsy

1-423 Biopsy of pharynx, gum and uvula by pharyngoscopy

1-424 Transvenous biopsy

1-425 Bone marrow biopsy

1-426 Lymphatic biopsy

Scalene node biopsy

Excludes: lymphadenectomy biopsy (5-409)

1-427 Spleen, percutaneous biopsy

1-43 Biopsy of other respiratory organs

1-430 Biopsy of trachea by endoscopy

1-431 Lung, percutaneous biopsy

1-432 Biopsy of bronchus by endoscopy

Transbronchoscopic biopsy of lung

1-433 Pleural biopsy

1-434 Biopsy of chest

1-44 Biopsy of upper alimentary tract

1-440 Biopsy of esophagus by endoscopy

1-441 Biopsy of stomach by endoscopy

1-442 Duodenal capsule biopsy

1-45 Biopsy of other alimentary organs

1-450 Biopsy of colon by endoscopy

1-451 Biopsy of sigmoid colon by endoscopy

Sigmoidoscopic biopsy

1-452 Biopsy of rectum by endoscopy

1-453 Biopsy of anus and perianal region

1-454 Liver, percutaneous biopsy

1-46 Biopsy of urinary tract and male genital organs

1-460 Kidney, percutaneous biopsy

1-461 Biopsy of ureter

1-462 Biopsy of bladder

1-463 Biopsy of prostate

1-464 Biopsy of urethra

1-465 Biopsy of testis, epididymis and spermatic cord

1-466 Biopsy of penis

1-47 Biopsy of female genital tract

1-470 Ovary, aspiration biopsy

1-471 Endometrial biopsy

1-472 Cervical smear

(For routine screening use 4-250)

1-473 Endocervical biopsy

1-474 Ring biopsy of cervix

1-475 Other and unspecified cervical biopsy

1-476 Vaginal biopsy or smear

1-477 Biopsy of introitus

Bartholin's gland
Labia

Skene's glands

1-48 Other specified biopsy without incision

1-480 Lips, biopsy

1-481 Abdominal wall biopsy

1-482 Breast, biopsy

1-483 Skin, biopsy of other sites

Excludes: skin of nose (1-414)
skin of ear (1-410)
skin of eyelid or eyebrow (1-412)

1-484 Bone or joint biopsy

Drill biopsy

1-489 Other specified biopsy without incision

1-49 Biopsy of unspecified site

1-499 Biopsy, unqualified

SURGICAL BIOPSY

Includes: biopsy by incision, open operation or excision of tissue

Excludes: biopsy by endoscopy, punch biopsy, percutaneous needle biopsy
and superficial smears (1-40 to 1-49)
when incidental to excision of lesion - code the reported
excision (Chapter 5)

1-50 Skin, breast and osteomuscular system

1-500 Skin and subcutaneous tissue

Excludes: breast (1-501)
ear (1-530)
eyelid (1-520)
lip (1-540)
nose (1-538)
penis (1-564)
scrotum (1-569)
vulva (1-573)

1-501 Breast

Mammary gland

1-502 Muscle

Excludes: diaphragm (1-550)
eye (1-529)

1-503 Bone

1-504 Joint

Arthrotomy for biopsy

1-51 Nervous system

1-510 Intracranial tissue

1-511 Intraspinial tissue

1-512 Peripheral nerve

1-519 Other

1-52 Eye

1-520 Eyelid

1-521 Conjunctiva

1-522 Lacrimal gland and sac

1-523 Cornea

1-529 Other

1-53 Ear, nose

- 1-530 External ear
- 1-531 External auditory canal
- 1-532 Ear, other
- 1-537 Nose, internal
- 1-538 Nose, other

1-54 Mouth, pharynx

- 1-540 Lip
- 1-541 Tongue
- 1-542 Salivary glands
- 1-543 Vestibule of mouth
- 1-544 Palate, uvula
- 1-545 Mouth, other
- 1-546 Oropharynx
- 1-547 Hypopharynx
- 1-548 Nasopharynx
- 1-549 Pharynx, other

1-55 Other organs of the digestive system, diaphragm

- 1-550 Diaphragm
- 1-551 Liver
- 1-552 Extrahepatic biliary system
- 1-553 Pancreas
- 1-554 Stomach
- 1-555 Small intestine
- 1-556 Colon
- 1-557 Rectum
- 1-558 Anus
- 1-559 Other

Intestine NOS
Peritoneum

1-56 Urinary tract and male genital organs

- 1-560 Kidney
- 1-561 Urethra
- 1-562 Other urinary organs
- 1-563 Prostate
- 1-564 Penis
- 1-565 Testis
- 1-566 Perineum, male
- 1-569 Other male genital organs

1-57 Female genital organs

- 1-570 Ovary and other uterine adnexa
- 1-571 Cervix
- 1-572 Vagina
- 1-573 Vulva
- 1-574 Perineum, female
- 1-579 Other

1-58 Other organs not elsewhere classified

- 1-580 Pericardium
- 1-581 Other mediastinal or intrathoracic organ
- 1-582 Thyroid and parathyroid glands
- 1-583 Other neck organs, not elsewhere classified
- 1-584 Adrenal gland
- 1-585 Other intra-abdominal organ, not elsewhere classified
- 1-586 Superficial lymph node
- 1-587 Peripheral vessel
- 1-589 Other

1-59 Surgical biopsy, not otherwise specified

1-599 Surgical biopsy

ENDOSCOPY

1-61 Laryngoscopy and pharyngoscopy

1-610 Diagnostic laryngoscopic procedures

1-611 Indirect laryngoscopy

1-612 Direct laryngoscopy

1-613 Microlaryngoscopy

1-614 Suspension laryngoscopy

1-615 Pharyngoscopy

1-62 Bronchoscopy and tracheoscopy

1-620 Bronchoscopy

Excludes: biopsy (1-432)

1-621 Tracheoscopy

Excludes: tracheoscopy via tracheostomy (1-690)

1-63 Upper alimentary tract endoscopy

1-630 Esophagoscopy

1-631 Esophagoscopy via stoma

1-632 Esophagogastroscope

1-633 Gastroscope

Fiberscope of stomach

1-634 Gastrocamera

1-635 Gastroscope via existing stoma

1-636 Duodenoscopy

1-64 Lower alimentary tract endoscopy

1-640 Intestinal endoscopy via existing stoma

1-641 Colonoscopy

Flexible fiber endoscopy

1-642 Sigmoidoscopy

1-643 Proctoscopy

1-644 Anoscopy

1-65 Urinary tract endoscopy

1-650 Ureteroscopy

1-651 Pyeloscopy

1-652 Cystoscopy

1-653 Panendoscopy

1-654 Collection of urine from single ureter

1-655 Urethroscopy

1-66 Endoscopy of female genital tract

1-660 Hysteroscopy

1-663 Colposcopy

Excludes: culdoscopy (1-696)

1-67 Other specified endoscopy

1-670 Cavernoscopy

Excludes: of renal pelvis (1-551)

1-679 Other specified endoscopy

1-68 Endoscopy of unspecified site

1-680 Endoscopy via orifice

1-681 Endoscopy photography

1-689 Endoscopy, unqualified

Endoscopy without incision

1-69 Endoscopy with puncture or incision

(Other available codes: biopsy 1-400 to 1-499
collection of parasite or micro-organism
1-910 to 1-919)

1-690 Bronchoscopy and tracheoscopy by means of tracheotomy

1-691 Thoracoscopy

Cardioscopy (external)
Mediastinoscopy

Transpleural

1-692 Gastroesophageal endoscopy by means of gastrotomy

1-693 Enteroscopy by abdominal route

By enterotomy

By paracentesis

1-694 Laparoscopy

Peritoneoscopy

1-695 Operative enteroscopy or other abdominal endoscopy

Choledochoscopy

Pyeloscopy

During course of operation

Ureteroscopy

Gastrosocopy

1-696 Culdoscopy

1-697 Arthroscopy

1-698 Other surgical endoscopy, qualified

Endoscopy of cerebral ventricle

Spinal endoscopy

1-699 Surgical endoscopy, unqualified

Operative endoscopy

PHYSIOLOGICAL FUNCTION TESTS

1-70 Tests of immunological status

1-700 Skin tests, not elsewhere classified

1-701 Skin tests for susceptibility

Bacterial: brucellosis (Brucellergen)
leprosy (lepromin, histamine lepromin)
streptococci (Dick, Schultz-Carlton)
tularemia (Foshay)

Bacterial toxin diphtheria (Schick)

Virus: lymphogranuloma venereum (Frei test)

1-702 Skin test for hypersensitivity

Delayed reaction: type III, Arthus reaction, IgE (hours)

Immediate reaction: type I, reagin, IgE (minutes)

atopic asthma (pollen)

rhinitis (hay fever)

Late reaction: type IV, lymphocyte mediated (days)

Metals: nickel, beryllium fungal skin reactions

Reactions for helminths (Casoni, Melcher)

1-703 Tuberculin testing

Intradermal test, Mantoux, PPD, Monrad

Scratch test, von Pirquet

1-704 Other intradermal antigen testing

Kveim test (sarcoid), histoplasmosis

1-705 Passive transfer test
Prausnitz-Küstner reaction

1-706 Nasal challenge for allergy

1-707 Bronchial challenge for allergy

Allergic alveolitis (farmer's lung)
Bronchial edema, PMN reaction
By insufflation
Non-atopic asthma

1-708 Other specified tests

Subconjunctival

Sublingual

1-709 Allergy testing NOS

Excludes: dermal response to fungi (2-703)

1-71 Respiratory function tests

1-710 Measurement of lung volumes

Gas dilution:
residual volume
total lung capacity

Spirometry:
tidal volume
vital capacity

1-711 Respiratory flow rates

Dynamic spirometry
Forced expiratory flow rates
Forced vital capacity

Maximum breathing capacity
Peak flow rate

1-712 Resistance to respiration

Airways conductance
Airways resistance
Body plethysmography
Dynamic compliance

Esophageal pressure
Pulmonary resistance
Total flow resistance
Total static compliance

1-713 Distribution of ventilatory airflow

Multi-breath washout
Nitrogen
Radioactive gas

Regional ventilatory function
Single breath expiration test

1-714 Distribution of circulatory bloodflow

Pulmonary vascular resistance

1-715 Gas exchange and ventilation-perfusion efficiency

Alveolar-arterial tension gradients for respiratory gases
Dead space/tidal volume ratio
Transfer factor for carbon monoxide

1-716 Ventilatory control

Response to carbon dioxide

1-719 Other respiratory function tests

Excludes: metabolic function tests (1-76)
standardized exercise ventilation (1-724)

1-72 Cardiac function tests

1-720 Intracardiac pressures

Ventricular outflow tract pressure gradient

1-721 Cardiac output

Cardiac index

1-722 Circulation time

1-723 Detection of cardiac shunt

1-724 Exercise tolerance tests

Standardized exercise ventilation (SEV)
Step test

1-729 Not otherwise specified

1-73 Circulatory function tests

1-730 Blood flow in single artery

Renal artery flow

1-731 Blood flow in limb

1-732 Circulatory stress testing

1-733 Portal venous pressure measurement

1-734 Plethysmography of limb

1-735 Peripheral vascular resistance

Excludes: pulmonary resistance (1-714)

1-736 Thermography of skin

Temperature gradient study

1-737 Blood volume estimation

1-739 Other circulatory function tests

1-74 Urinary function tests

1-740 Water retention

Dye excretion

Salt loading test

1-741 Urinary concentration test

Vasopressin concentration test

1-749 Other test of urinary function

Excludes: control of bladder sphincter (1-330)
renal function tests (2-34)
urine sampling from single ureter (1-654)

1-75 Skeletomuscular function

1-750 Bicycle dynamometer

1-751 Maximum force of muscle groups

Grip

Pull

1-759 Other skeletomuscular tests

1-76 Metabolic function tests

1-760 Basal metabolic rate (BMR)

Analysis of expired gases

1-761 Bodily oxygen consumption

At rest and during exercise

1-762 Respiratory quotient

1-769 Other metabolic function tests

Excludes: chemical metabolic function tests (2-35)

EXPLORATORY DIAGNOSTIC PROCEDURES

1-80 Diagnostic dye introduction

1-800 Subcutaneous dye introduction

1-801 Introduction of dye for angiography NEC

1-802 Orbital fluorescent angiography

1-803 Methylene blue instillation into bladder

1-809 Other diagnostic use of dye

1-82 Exploration of tissues

1-820 Magnetometer search for foreign body in brain

1-821 Other search for foreign body

Excludes: removal by operation
search by open operation

1-83 Instrumental exploration

1-830 Probing of lacrimal passages

Canaliculus, lacrimal duct

1-831 Probing of nasolacrimal duct

1-832 Probing of bone

1-833 Probing of joint

1-84 Diagnostic puncture or aspiration

1-840 Anterior chamber of eye paracentesis

1-841 Other eye or orbit puncture

1-842 Pericardiocentesis, diagnostic

1-843 Bronchial aspiration

1-844 Puncture of pleural cavity, diagnostic

1-845 Diagnostic puncture or aspiration of liver

For cyst or hydatid

1-846 Aspiration of kidney or pelvis

1-847 Aspiration of male genital structures

Spermatocele, tunica vaginalis

1-85 Other diagnostic puncture or aspiration

1-850 Diagnostic aspiration of cyst NEC

1-851 Aspiration of ovary

1-853 Peritoneal aspiration

1-854 Diagnostic joint aspiration

1-859 Other and unspecified aspiration

1-86 Diagnostic catheterization of veins

- 1-860 Selective organ sampling NEC
- 1-861 Selective sampling of renal vein
- 1-862 Selective adrenal sampling
- 1-869 Other and unspecified diagnostic vein puncture

1-87 Diagnostic cannulation or intubation

- 1-870 Diagnostic perfusion
- 1-879 Other diagnostic cannulation or intubation

1-89 Other diagnostic procedures with surgical techniques

- 1-890 Diagnostic surgical techniques
- 1-891 Minor surgical diagnostic procedures
- 1-892 Bronchspirometry
- Gas analysis from individual lobes

OTHER PROCEDURES FOR DIAGNOSIS

1-90 Procedures facilitating diagnosis

- 1-901 Examination under anesthesia
- 1-902 Psychotropic drug for examination

1-91 Collection of parasite or micro-organism for diagnosis

- 1-910 From eye, ear, nose, mouth or throat
- 1-911 From skin or skin appendages

Perianal collection of ova Vesicle fluid

1-912 Sputum collection

1-913 Stool collection

Fecal specimen

1-914 Blood specimen

Paired sera

1-915 Urinary specimen

1-916 Other genital specimen

Urethral

Vaginal

1-917 From wound or other source

1-92 Diagnostic psychology

1-920 Diagnostic psychology, unqualified

1-921 Initial evaluation

1-922 Diagnostic interview

1-923 Hypnosis for diagnosis

1-924 Drug sedation for diagnosis

1-925 Psychogalvanic reflex

1-929 Other diagnostic techniques

1-93 Psychological testing

1-930 Psychometric tests

1-931 Temperament testing

1-932 Personality assessment

1-933 Attitude testing

1-934 Projective tests

1-939 Other psychological tests

1-94 Psychological analysis

1-940 Psychoanalysis

1-941 Modified analysis

1-949 Other psychological analysis

1-95 Physical and nutritional assessment

1-950 Anthropometric study

Body build

Somatotypes

1-951 Dermatoglyphs

1-952 Skin fold thickness

1-953 Tests for vitamin deficiency

1-959 Other tests of nutritional state

1-96 Visual detection and recording

1-960 Electrical recording

1-961 Photographic recording

Medical photography

1-962 Transillumination, not elsewhere classified

1-969 Other visual detection and recording

1-97 Evaluation for rehabilitation

1-970 Medical evaluation

1-971 Psychiatric evaluation

1-972 Psychological testing and evaluation

1-973 Social capabilities

1-974 Vocational and prevocational assessment

1-975 Fitness for physiotherapy

1-976 Fitness for occupational therapy

1-978 Other evaluation for rehabilitation

1-979 Unspecified assessment for rehabilitation

1-99 Procedures related to diagnosis

1-990 Diagnostic procedures not elsewhere classified

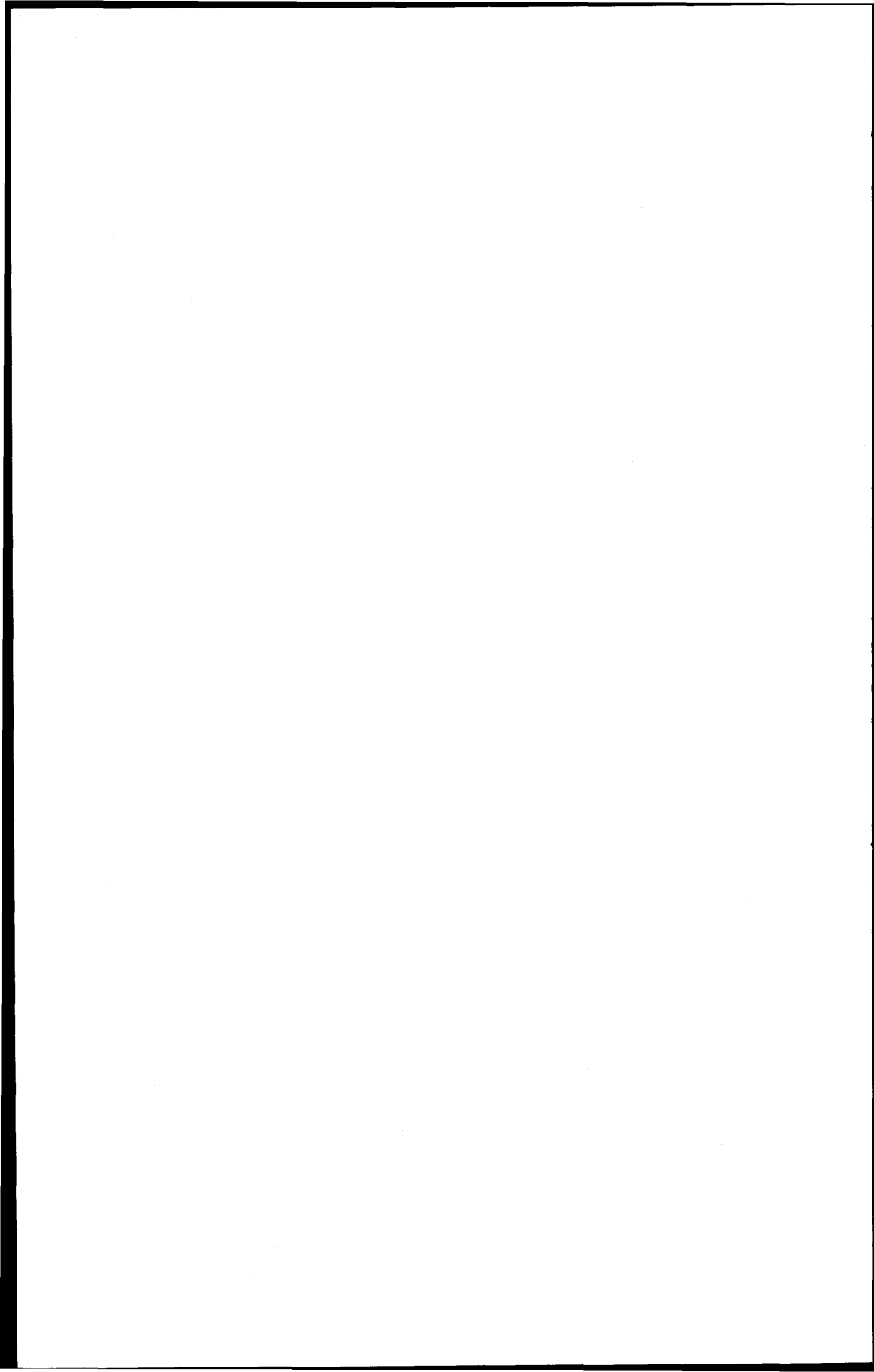
1-991 Diagnostic assessment

1-992 Clinical conference

1-993 Writing up (for publication)

1-999 Unspecified diagnostic procedure

2. LABORATORY PROCEDURES



2-10 Blood proteins and aminoacids

- Albumin/globulin ratio

- Excludes: immunoglobulins (2-67)

- 2-107 Estimation of other protein constituents
- 2-109 Other blood protein examination

Excludes: hemoglobin (2-830) fibrinogen (2-321)
 hemosiderin (2-839) transferrin (2-835)

2-11 Other nitrogenous constituents of blood

- | | |
|-------|---|
| 2-110 | Total nonprotein nitrogen |
| 2-111 | Ammonia in blood |
| 2-112 | Urea in blood |
| 2-113 | Uric acid in blood |
| 2-114 | Creatine and creatinine in blood |
| 2-115 | Bilirubin and related substances in blood |

Bile pigments Urobilinogen

- 2-119 Other nitrogenous constituents of blood

Excludes: drugs (2-163)
hormones (2-43)

2-12 Alkaline reserve and gaseous constituents of blood and breath

- 2-120 Oxygen partial pressure of blood

Oxygen capacity Oxygen unsaturation

- 2-121 Carbon dioxide partial pressure of blood
- Arterial carbon dioxide
- 2-122 Alkaline reserve
- 2-123 Carbon monoxide in blood
- Detection and estimation
- 2-124 Estimation of oxygen and carbon dioxide in exhaled breath
- 2-129 Other normal gaseous constituents of blood
- 2-13 Carbohydrate constituents of blood
- 2-130 Chemical estimation of glucose in blood
- Plasma sugar
- 2-131 Enzymatic estimation of glucose in blood
- 2-132 Galactose in blood
- 2-133 Glycoprotein in blood
- 2-134 Mucopolysaccharides in blood
- 2-135 Metabolic intermediates in blood
- Adenine phosphates
- 2-139 Other carbohydrate constituents of blood
- 2-14 Lipid constituents of blood
- 2-140 Total lipids in blood
- Fasting serum lipid level
- 2-141 Fatty acids in blood
- | | |
|----------------------------------|-------------------------|
| Free fatty acids (FFA) | Plasma neutral fats |
| Nonesterified fatty acids (NEFA) | triglycerides |
| | Unsaturated fatty acids |
- 2-142 Cholesterol in blood
- Free, esterified and total
- 2-143 Other steroids in blood
- 2-144 Lipoproteins in blood
- Alpha-lipoprotein (high density)
- Beta-lipoprotein (low density)

2-145	Phospholipids in blood	Sphingolipids
Cerebrosides		
2-146	Chylomicrons in blood	
Plasma turbidity		
2-149	Other lipid constituents of blood	
2-15	<u>Inorganic constituents of blood</u>	
2-150	Sodium and potassium in blood	
2-151	Calcium in blood	
Total		
Plasma ultrafiltrate		
2-152	Copper in blood	
Excludes: ceruloplasmin (2-106)		
2-153	Lead and associated metabolites in blood	
D-aminolevulinic acid		
2-154	Phosphate (inorganic) in blood	
2-155	Chloride in blood	
2-156	Other elements in blood	
Trace elements		
2-159	Other inorganic estimations on blood	
Excludes: carbonate (2-122) iodine (2-400) iron (2-835)		
2-16	<u>Exogenous organic substances in blood and breath</u>	
2-160	Vitamin A in blood	
Carotenoids		
2-161	Vitamin C in blood	
Ascorbic acid saturation test		
2-162	Other vitamins in blood	
Excludes: cyanocobalamin (2-855) folic acid (2-854)		
2-163	Drugs in blood	

2-164 Metallo-organic compounds in blood

Methyl mercury

Tetra-ethyl lead

2-165 Ethyl alcohol in blood

2-166 Other alcohols in blood

2-167 Estimation of alcohol in exhaled breath

2-168 Other exogenous organic compounds in exhaled breath

2-169 Other exogenous organic compounds in blood

2-17 Other organic substances in blood

2-170 Organic acids and salts in blood

2-171 Bile acids and salts in blood

2-172 Products of acidosis and ketosis

2-179 Other endogenous organic substances in blood

2-18 Physical and other chemical blood tests

2-180 Blood pH

2-181 Osmolality of blood

Cryoscopy

Electrical conductivity

2-182 Density of blood

2-183 Viscosity of blood

2-188 Physicochemical blood tests, not elsewhere classified

2-189 Biochemistry of blood, not otherwise specified

CLINICAL CHEMISTRY OF OTHER BODY FLUIDS

2-20 Urinary proteins and aminoacids

2-200 Detection of aminoacids and metabolites in urine

Excludes: phenylketonuria (2-240)

2-201 Estimation of aminoacids and metabolites in urine

2-202 Clinical detection of protein in urine

2-203 Estimation of protein in urine

Excludes: Bence Jones protein (2-670)
immunoglobulins (2-676)

- 2-204 Detection and estimation of albumin in urine
- 2-205 Detection of myoglobin and hemoglobin in urine
- 2-206 Estimation of plasma peptide products in urine

Bradykinin
Kallidin

Renin

- 2-209 Other identification of protein products in urine

2-21 Other nitrogenous constituents of urine

- 2-210 Ammonia in urine
- 2-211 Creatine and creatinine in urine
- 2-212 Bile pigments and derivatives in urine
- 2-213 Porphyrins and derivatives in urine
- 2-214 Bile salts in urine
- 2-215 Urea in urine
- 2-216 Uric acid in urine
- 2-219 Other nitrogenous constituents of urine

2-22 Carbohydrate constituents of urine

- 2-220 Glucose in urine
- 2-221 Galactose in urine
- 2-222 Mucopolysaccharides in urine
- 2-223 Reducing agents in urine
- 2-224 Saccharometry of urine
- 2-229 Other carbohydrate constituents of urine

2-23 Inorganic constituents of urine

- 2-230 Calcium in urine
- 2-231 Chloride in urine
- 2-232 Potassium in urine
- 2-233 Sodium in urine
- 2-234 Heavy metals in urine

Arsenic
Chromium
Copper
Iron

Lead
Manganese
Nickel

2-235 Other trace elements in urine

Fluoride
Magnesium

Thallium

2-236 Other exogenous inorganic constituents of urine

2-239 Other inorganic constituents of urine

2-24 Other organic constituents of urine

2-240 Ketone bodies in urine

Acetoacetic acid
Acetone

Phenylketonuria

Excludes: formiminoglutamic acid (2-854)

(Other available code: clinical screening test for phenylketonuria
4-212)

2-241 Ascorbic acid in urine

2-242 Other organic acids in urine

2-243 Alcohol in urine

2-244 Drugs and their metabolized products in urine

2-248 Other exogenous organic constituents of urine

2-249 Other organic constituents of urine

2-25 Other physicochemical tests of urine

2-250 Hydrogen ion concentration of urine

Urine pH

2-251 Analysis of urinary calculus

2-252 Osmolality of urine

Depression of freezing point

2-253 Test for blood in urine

2-254 Microscopic examination of urinary sediment

Birefringent bodies

Excludes: cast and cells (2-914)

2-255 Routine clinical urinalysis

2-258 Other physicochemical properties of urine

Chemical tests for bacteriuria
Density

Volume

2-259 Biochemistry of urine, not otherwise specified

2-26 Examination of intestinal tract contents

2-260 Aminoacids in feces

2-261 Other fecal nitrogen excretion

2-262 Lipids in feces

2-263 Detection of occult blood in feces

2-264 Enzymes in feces

2-269 Other constituents of feces

Excludes: intestinal digestive function (2-31)

2-27 Cerebrospinal fluid examination

2-270 Blood in cerebrospinal fluid

2-271 Electrolytes in cerebrospinal fluid

2-272 Glucose in cerebrospinal fluid

2-273 Urea in cerebrospinal fluid

2-274 Protein in cerebrospinal fluid

2-275 Tests for abnormal protein in cerebrospinal fluid

Colloidal gold curve
Electrophoresis

Turbidity

2-276 Aminoacids in cerebrospinal fluid

2-278 Other constituents of cerebrospinal fluid

Enzymes

2-279 Cerebrospinal fluid examination, not otherwise specified

2-28 Examination of other body fluids

2-280 Lymph examination

2-281 Gastric contents examination

Excludes: forensic (2-943)
gastric function (2-30)

2-282 Pleural fluid examination

2-283 Peritoneal fluid examination

2-284 Sweat examination and function

Chloride sodium

2-285 Spermatic fluid examination

Excludes: microscopic examination (2-915)

2-286 Amniotic fluid examination

Excludes: alpha-fetoprotein (2-632)

2-288 Examination of other body fluids

2-289 Biochemistry, other and unspecified

CHEMICAL FUNCTION TESTS

2-30 Gastric function

2-300 Fasting gastric aspirate

Basal acid output

2-301 Insulin response

2-302 Response to other stimulation of gastric secretion

Augmented histamine test

2-303 Tubeless gastric analysis

2-304 Gastric ferments

Pepsin
Rennin

Trypsin

2-305 Stomach transit time

2-309 Other tests of gastric function

2-31 Intestinal digestive function

2-310 Analysis of duodenal fluid aspirate

2-311 Lactose absorption from bowel

Blood glucose response to milk ingestion
Lactose tolerance with ethanol administration

2-312 D-xylose absorption from bowel

2-313 Fat absorption from bowel

2-314 Secretin production by bowel

2-315 Disaccharidase activity of bowel

Lactase
Maltase

Sucrase

2-319 Other intestinal digestive function tests

2-32 Hepatic function tests

2-320 Biliary obstruction tests

Excludes: bilirubin in blood (2-115)
urinary excretion (2-113 to 2-115)

2-321 Protein dysfunction

Blood fibrinogen Turbidity tests
Precipitation tests

Excludes: albumin/globulin ratio (2-103)

2-322 Deamination and hepatic detoxication tests

Aminoacid tolerance Santonin excretion
Hippuric acid excretion

2-323 Carbohydrate metabolism disorder

Galactose tolerance Levulose tolerance

Excludes: blood sugar (2-130)

2-324 Biliary dye excretion tests

Azorubin-S Rose bengal
Bromsulphthalein (BSP)

2-325 Analysis of biliary calculus

2-326 Liver profile

Drug metabolizing capacity Suite of function tests
Plasma half-life of drug

2-329 Other tests of biliary function

Excludes: enzymes (2-450 to 2-489)

2-33 Pancreatic function tests

2-330 Glucose metabolism

Glucose tolerance Insulin tolerance

2-331 Plasma insulin

2-332 Plasma glucagon

2-333 Secretin response

2-334 Serum gastrin

2-335 Cholecystokinin-pancreatozymin in serum

2-336 Pancreatic aspirate

Enzyme activity

2-339 Other tests of pancreatic function

2-34 Renal function

2-340 Aminoacid clearance pattern

2-341 Clearance of endogenous substance

Creatinine clearance

Urea clearance

P-amino hippuric acid clearance

Urea/creatinine excretion ratio

Phosphate clearance

2-342 Clearance of exogenous substances

Insulin clearance

Phenol red excretion

Mannitol clearance

Phenolsulfonphthalein test (PSP)

2-343 Glomerular filtration rate (GFR)

2-344 Tubular reabsorption tests

2-345 Other chemical tests of function

2-346 Microscopic examination of urine

Casts, red blood cells

Sediment count (Addis)

2-349 Other tests of renal function

2-35 Chemical metabolic function tests

2-350 Nitrogen balance

2-351 Electrolyte balance

Potassium balance

Sodium balance

2-352 Body water balance and composition

Body cell mass

Chemical dissection of body

Body densitometry

Total body water

2-353 Fat balance

Fat loading test

2-354 Adrenal function tests

Ascorbic acid depletion method

Water loading test

Excludes: corticotrophin stimulation (2-420)

2-359 Other metabolic function tests

Excludes: basal metabolic rate (1-760)

2-36 Bone metabolism tests

- 2-360 Calcium balance
- 2-361 Phosphate balance
- 2-362 Calcium phosphate balance
- 2-364 Parathyroid hormone (PTH)
- 2-365 Vitamin D
- 2-369 Other bone metabolism tests

ENDOCRINE FUNCTION TESTS AND ENZYMES

2-40 Thyroid function

- 2-400 Protein-bound iodine in serum
- 2-401 Thyroxine-binding globulin
- 2-402 Total serum thyroxine (T-4)

Competitive protein binding

Saturation analysis

- 2-403 Iodine uptake and conversion

Circulating tri-iodothyronine

Tri-iodothyronine (T-3) uptake

- 2-404 Free thyroxine index

Effective thyroxine ratio (ETR)
Non-protein-bound thyroxineNormalized thyroxine ratio (NTR)
Serum free thyroxine (T-4)

- 2-405 Thyroid urinary excretion

- 2-406 Plasma thyrotrophin

Dynamic response to hypothalamic
releasing factor (TRH)Immunoassay of TSH
Thyroid stimulating hormone (TSH)

- 2-407 Other chemical tests of thyroid function

Long-acting thyroid stimulator (LATS) Thyroid clearance

- 2-409 Other tests of thyroid function

Excludes: basal metabolic rate (1-760)
 tendon reflex time (1-202)2-41 Pituitary function tests

- 2-410 Response to metyrapone
- 2-411 Response to antidiuretic hormone

- 2-412 Serum follicle stimulating hormone (FSH)
- 2-413 Serum human growth hormone (HGH)
- 2-414 Adrenocorticotrophin assay
- 2-415 Luteinizing hormone response
- 2-416 Thyrotrophic release factor assay (TRF)
- 2-417 Other examination of pituitary hormones
- Cigarette test for diabetes insipidus
- 2-419 Pituitary function test, not otherwise specified
- 2-42 Hypothalamic-pituitary-adrenocortical axis function
- 2-420 Adrenocorticotrophin stimulation response
- 2-421 Growth hormone response to hypoglycemia
- 2-422 Plasma glucocorticoids
- 2-423 Aldosterone activity
- 2-424 Response to gonadotrophins
- 2-425 Steroid suppression test
- 2-429 Other tests of hypothalamic-pituitary-adrenocortical axis function
- 2-43 Blood hormones and steroids
- 2-430 Adrenal cortex hormones in blood
- 2-431 Adrenal medulla hormones in blood
- Adrenalin (epinephrine) Noradrenalin, levarterenol
- Excludes: plasma renin (2-344)
- 2-432 Estrogens in blood
- 2-433 Pregnancy hormones in blood
- Chorionic somatomammotropin Pregnancy lactogen
- Plasma chorionic gonadotropin Progesterone
- 2-439 Other blood steroids and hormones
- Caval sampling
- 2-44 Urinary hormones and steroids
- 2-440 Pituitary hormones in urine
- 2-441 Adrenal cortex hormones in urine

2-442 Other adrenal hormones in urine

Aldosterone

Urinary catecholamines

2-443 Estrogens in urine

2-444 Pregnancy hormones in urine

Chorionic gonadotropin (HCG)
 Gonadotropin inhibiting factor
 in urine

Pregnanediol
 Pregnanetriol
 Progesterone

2-449 Other urinary hormones and steroids

2-45 Oxidoreductase enzymes

2-450 Serum lactate dehydrogenase

Isoenzymes (LDHS)

2-451 Homogentisate oxygenase

2-452 Tyrosinase (o-diphenol oxidase)

2-453 Glucose-6-phosphate dehydrogenase

2-454 Phenylalanine-4-hydroxylase

I labile

II stable

2-458 Other oxidoreductases

2-459 Oxidoreductase , not otherwise specified

2-46 Transferase enzymes

2-460 Aspartate transaminase (Asp-AT)

Serum glutamic oxaloacetic (SGOT)

2-461 Alanine transaminase (Ala-AT)

Serum glutamic pyruvic (SGPT)

2-462 Creatine kinase

Creatine phosphokinase (CPK)

2-463 Glycogenolytic enzymes

- Type I: glycogen synthetase
glycose-6-phosphatase
- Type III: dextrin transglucosylase
(Forbes, glycogen storage)
- Type IV: glucan branching glycosyl
transferase
brancher enzyme (Andersen's)
- Type V: glycogen phosphorylase
(McArdle's)

2-468 Other hepatic transferases

2-469 Transferase, not otherwise specified

Hepatic enzyme

2-47 Hydrolase enzymes

2-470 Amylase

(Somogyi units)

2-471 Lipase

Lipoprotein lipase

Triglyceride lipase

2-472 Alkaline phosphatase (ALPS)

(King-Armstrong units)

2-473 Acid phosphatase

Formol stable (FSAP)

Tartrate resistant

Tartrate labile (TLAP)

Total (TAP)

2-474 Cholinesterase

2-478 Other hydrolases

Excludes: urinary betaglycosidase

2-479 Hydrolase, not otherwise specified

2-48 Other enzymes

2-480 Fructose diphosphate aldolase

2-481 Argininosuccinate lysase

2-482 Other lysases

2-484 Other synthetase

Lysozyme

2-489 Other and unspecified enzymes

Enzyme profile

Excludes: bacterial (2-513)
cerebrospinal fluid (2-278)
fecal (2-264)
gastric secretion (2-304)
intestinal (2-315)
leucocytic (2-887)
tissular (2-904)

2-49 Chemical analytical methods

Note: to be used a) as additional code, if desired, to identify the method used
b) as single code when no other information is available

2-490 Colorimetric analysis

Ultraviolet
Visual

2-491 Flame photometry

Emission spectrometry

2-492 Chromatography

Thin layer (TLC)

2-493 Microscopic examination for chemical identification

Crystal form

2-494 Other optical methods

Rotation of polarized light

2-495 Continuous flow analysis

Autoanalyzer

2-496 Electrophoresis

2-499 Other chemical analysis

MICROBIOLOGY

2-50 Detection and isolation of micro-organisms

2-500 Unstained microscopic examination

Bacterial count

Motility

Hanging drop

Slide examination

2-501 Dark-ground (dark-field) examination

For Treponema and Leptospira

2-502 Other optical examination

Phase contrast

Polarized light

2-503 Gram stained smear

2-504 Detection of acid-fast bacilli

Carbol fuchsin

Ziehl-Neelsen stain

Concentration methods (sputum)

2-505 Culture of Mycobacterium tuberculosis

Enrichment media

2-506 Culture of aerobic bacteria

Broth culture

Plate culture

Culture unspecified

Selective culture media

2-507 Culture of anaerobic bacteria

Absorption of oxygen

Inert gas or vacuum

Added milk or meat

Sealed media

2-508 Dye tests

Methylene blue (reductase test)

2-509 Other detection and isolation of micro-organisms

2-51 Identification of micro-organisms

2-510 Specific culture media

2-511 Carbohydrate fermentation tests

Acid and gas production

2-512 Aminoacid utilization

Liquefaction of gelatin

2-513 Other chemical results of enzyme activity

2-514 Physical changes to bacteria

Clumping factor

Coagulase

2-515 Hemolysin production

2-516 Animal inoculation for identification

2-517 Electron microscopy

2-519 Other methods of identification of micro-organisms

Excludes: serological methods (2-60 to 2-62)

2-52 Typing and virulence testing

2-520 Nature of growth on culture

Rough/smooth variants

2-521 Somatic and flagellar agglutinins

2-522 Typing by precipitins

2-523 Fluorescent antibody identification of types

2-524 Typing by cellular response

Bacteriophage

Phagocytosis

2-525 Identification by toxin production

Gravis/mitis strains of diphtheria

Yersinia

2-526 Other animal virulence tests

2-527 Separation of antigenic components

2-529 Other typing and virulence testing

2-53 Susceptibility of bacteria to antibiotics

2-530 Qualitative exploration

Agar diffusion technique

Antibiotic spectrum

2-531 Quantitative determination

Bactericidal

Minimal inhibiting concentration

Bacteriostatic

2-532 Susceptibility to combinations of antibiotics

2-533 Transferable resistance factor

R + fecal strains

2-539 Other tests of antibiotic susceptibility

2-54 Detection and isolation of viruses

2-540 Demonstration by light microscopy

Cytopathic effect
Inclusion bodies

Syncytial formation

2-541 Demonstration by electron microscopy

Negative staining

2-542 Isolation by organ culture

Human embryo lung

2-543 Isolation by tissue cell culture

Human diploid:
 embryo
 neoplasticLung fibroblast
Monkey kidney

2-544 Isolation by animal passage

2-545 Culture on chick embryo chorioallantoic membrane (CAM)

2-549 Other detection and isolation of viruses

2-55 Identification of viruses

2-550 Hemagglutination

2-551 Neuraminidase surface antigens

2-552 Immunodiffusion against hyperimmune sera

2-553 Counter immunoelectrophoresis

2-554 Complement fixation test

2-555 Phage typing

2-556 Extraction of viral antigen

2-558 Other serological identification of virus

2-559 Other identification of virus

2-56 Other diagnosis and culture of infectious organisms

2-560 Postmortem diagnosis of infectious organism in brain

2-561 Postmortem diagnosis of infectious organism in respiratory tract

2-562 Postmortem diagnosis of infectious organism in other organs

2-563 Xenodiagnosis

2-564 Production of vaccine

Autogenous vaccine

2-57 Microbiological assay

2-570 Assay of vitamin B12

Euglena gracilis

Lactobacillus leichmannii

2-571 Assay of folic acid

Lactobacillus casei

Streptococcus faecalis

2-572 Other microbiological assay of vitamins

2-573 Animal test for chemical substances

Histamine

2-579 Other microbiological assay

SEROLOGY AND IMMUNOLOGY

2-60 Serological diagnosis of treponemal diseases

2-600 Complement fixation test on blood

Protein antigen (Reiter) (RPCF)

Wassermann reaction

2-601 Flocculation and precipitin tests on blood

VDRL (qualitative) slide test

2-602 Quantitative tests on blood

Kahn

Quantitative VDRL

2-603 Complement fixation tests on cerebrospinal fluid

2-604 Treponema immobilization

2-605 Fluorescent Treponema antibody absorption (FTA-ABS)

Treponema hemagglutination (TPHA)

2-609 Other serological tests for syphilis

2-61 Direct serological reactions with micro-organisms

2-610 Assay of Salmonella agglutinins

Ohne Haut (O), Haut (H) and
Virulent (Vi)

2-611 Detection of incomplete antibodies

- 2-612 Other bacterial agglutination
 - Microscopic slide test (MST) Microscopic agglutination test (MAT)
- 2-613 Agglutination against other micro-organisms
 - Rickettsial (Proteus OX)(Weil-Felix)
- 2-614 Agar gel diffusion precipitation technique (Ouchterlony)
- 2-615 Direct immunofluorescent reactions
- 2-619 Other direct serological reactions with micro-organisms
 - Colostrum antibodies
- 2-62 Other serological reactions to micro-organisms
 - 2-620 Neutralization of virus
 - 2-621 Hemagglutination inhibition (HI, HAI)
 - 2-622 Indirect hemagglutination (passive)
 - 2-623 Enzyme inhibition
 - Neuraminidase inhibition antibody
 - 2-624 Other neutralizing activity of serum
 - 2-625 Serum antibodies against streptococci
 - Antifibrolysin Antistreptolysin
 - Antistreptokinase
 - 2-626 Complement fixation of viral antigen (CFT)
 - 2-627 Other antiviral antibodies
 - Absorption of complement Warm immune antibodies
 - Precipitation of antigen-antibody complex
 - 2-628 Other fluorescent antibody reactions
 - Immunofluorescent methods
 - 2-629 Other serological tests of infective state
 - Dye test (toxoplasmosis)
- 2-63 Identification of other antigenic determinants
 - 2-630 Antibodies to plant and animal antigens
 - Pollen Pigeon antigen

2-631 Sensitized tanned red cell agglutination

Serum milk protein antibody

Thyroglobulin antibody

2-632 Fetal proteins and antigens

Alpha-fetoprotein in amniotic fluid

2-639 Other identification of antigenic determinants

Excludes: skin tests (1-700 to 1-704)

2-64 Incompatibility reactions

2-640 Lymphocytotoxicity

HL-A compatibility/antileucocytic
serum (ALS)

Leucocytotoxic antisera

2-641 Other serotyping of leucocytes

Leucocytic migration

2-642 Lymphocyte transfer test

2-643 Serum haptoglobins

2-644 Antibodies to normal tissue varieties

2-645 Urinary rejection products

2-646 Tissue evidence of rejection

Fluorescent antibody staining

Transplantation test

2-648 Other evidence of rejection or incompatibility

Antireticulin antibodies

Hemolysin and hemagglutinin

2-649 Other incompatibility reactions

2-65 Indications of altered reactivity

2-650 Cold agglutinins

2-651 Heterophile antibodies

2-652 Hematological reactions

Eosinophilia

Mast cell degranulation

2-653 Detection of blocking antibody

Irregular agglutinins

2-654 Identification of blocking antibody

Wight's serodiagnostic test

2-655 Serum (hemolytic) complement level

2-659 Other tests of altered reactivity

Antitrypsin activity of serum

2-66 Other tissue reactivity

2-660 Autoimmune antibodies

2-661 Tumor antibodies

2-662 Assay of carcinoembryonic antigen (CEA)

2-663 Latex fixation test

Agglutination of sensitized particles

2-664 Sheep cell

Agglutination test

Rose-Waaler rheumatic factor

2-665 Antinuclear factors (ANF) (ANA)

Anti-DNA antibody
Leucocyte nucleoprotein

Mitochondrial antibody (AMA)
Smooth muscle antibody (SMA)

2-666 Immunological pregnancy test

2-667 Serum anti-alpha-fetoprotein (AFP)

2-669 Other serological response to non-infectious disease

Liver-kidney microsomal antibody (LKM)

2-67 Detection and estimation of immunoglobulins in blood and urine

2-670 Identification of Bence Jones protein in urine

L (light) chains

2-671 Identification of heavy chain (H) protein in urine

2-672 Identification of immunoglobulins by agar gel diffusion (AGD)

2-673 Counter electroimmunophoresis (CEP)

2-674 Indirect hemagglutination inhibition (HAI)

Blocking of antibody-coated Rhesus-
positive red blood cells

Determination of allotypes
InV, Gm

2-676 Complement fixation (CF) of immunoglobulins

2-678 Other methods of immunoglobulin estimation

2-679 Other tests for immunoglobulins

- | | |
|-------|--|
| 2-68 | <u>Other immunology of body fluids</u> |
| 2-680 | Detection and assay of meningococcal antibody |
| 2-681 | Other immunofluorescent methods |
| 2-682 | Bacteriostatic power of serum |
| 2-689 | Other antigenic reactions of other body fluids |

MYCOLOGY AND PARASITOLOGY

- | | |
|------------------------|--|
| 2-70 | <u>Mycological examinations</u> |
| 2-700 | Microscopic examination for fungus |
| Stained | Unstained |
| 2-701 | Culture of fungus |
| Sabouraud's medium | |
| 2-702 | Identification of fungus |
| Fermentation reactions | Production of auxines (growth factors) |
| 2-703 | Sensitivity reactions to fungi |
| 2-704 | Detection of fungus by ultraviolet light |
| Wood's light | |
| 2-705 | Animal inoculation of fungus |
| 2-706 | Postmortem isolation of fungus |
| 2-709 | Other mycological examination |
| 2-71 | <u>Examination for intestinal parasites</u> |
| 2-710 | Microscopic examination of feces |
| 2-711 | Microscopic examination after ova concentration |
| 2-712 | Microscopic examination of feces stained for ova |
| 2-713 | Microscopic examination of feces, other staining |
| 2-714 | Macroscopic examination of feces |
| 2-715 | Identification of helminths and ova |
| 2-716 | Examination of rectal wall scraping |

- 2-717 Culture of parasite ova or larvae
- Hookworm Schistosome
- 2-719 Other examination for intestinal parasites
- 2-72 Examination of circulating body fluids for parasites
- 2-721 Examination of blood film for parasites
- Thin film Thick (hemolysed film)
- 2-722 Blood centrifugation technique for parasites
- 2-723 Culture of blood parasites
- 2-724 Examination of lymph gland fluid for parasites
- 2-725 Examination of cerebrospinal fluid for parasites
- 2-726 Examination of other body fluid for parasites
- 2-727 Identification of blood parasites
- 2-73 Other examination for parasites
- 2-730 Examination of ocular tissues for parasites
- 2-731 Examination of sputum for parasites
- 2-732 Examination of skin and subcutaneous tissue for parasites
- 2-733 Examination of urine for parasites
- 2-734 Examination of vaginal secretion for parasites
- 2-735 Organ puncture for parasites
- 2-736 Postmortem examination for parasites
- 2-737 Identification of other parasites
- 2-739 Other examination for parasites
- Blood incubation infectivity test (BIIT)
- 2-74 Culture of parasites
- 2-740 Culture of protozoa in vitro
- 2-741 Culture of protozoa by animal passage
- 2-742 Culture of helminths in vitro
- 2-743 Culture of helminths by animal passage
- 2-744 Cultivation of arthropods
- 2-745 Xenodiagnosis of parasites

2-749 Other culture of parasites

Insects
Mites

Ticks

2-75 Serology of parasites

2-750 Detection of parasite antigen

Toxocara ova

Toxoplasma

2-751 Separation of parasite antigen

2-752 Latex agglutination of parasites

Trypanosoma cruzi

2-753 Immunofluorescent serology of parasites

2-754 Indirect hemagglutination of parasites

2-755 Labelled antibody of parasites

Ferritin (electron microscopy) for
Leishmania

2-759 Other serology of parasites

HEMATOLOGY

2-80 Cytology of blood

2-800 Blood cell precursors

Bone marrow examination
Lymph node smear

Spleen pulp smear

2-801 Blood count

In counting chamber of stained
smear
Ratio

Total:
white and red

2-802 Platelet count

2-803 Examination for abnormal morphology

2-804 Staining for reticulocytes

Vital staining

2-805 Other staining for abnormal morphology

2-806 Size of red blood cells

Halometry

- 2-807 Automated blood count
- 2-809 Other blood cytology
- 2-81 Other examination of red blood cells
 - 2-810 Erythrocyte sedimentation rate
 - 2-811 Hematocrit (HCT)
 - Packed cell volume
 - 2-812 Red cell fragility
 - 2-813 Red cell volume
 - 2-814 Splenic blood pool
 - 2-819 Other examination of red blood cells
 - Excludes: blood volume estimation (1-737)
- 2-82 Blood groups and other hemolytic factors
 - 2-820 Cross matching
 - Pre-transfusion compatibility test
 - 2-821 Major blood groups
 - ABH, Rhesus
 - 2-822 Subgroups and other minor groups
 - A₁ A₂ D_u C c E Kell Duffy (FY) MNS
 - 2-823 Test for antibodies
 - Pooled anti-D
 - 2-824 Coombs test
 - Indirect antiglobulin test (IAGT)
 - 2-825 Hemagglutinins
 - 2-826 Enzyme test for blood groups
 - Salivary enzymes
 - 2-829 Other investigation of hemolysis
- 2-83 Hemoglobin and iron analyses
 - 2-830 Estimation of total hemoglobin
 - 2-831 Corpuscular hemoglobin

2-832 Chemical differentiation of hemoglobin components

Carboxyhemoglobin
 Cyanhemoglobin
 Methemoglobin

Oxyhemoglobin
 Sulfhemoglobin

2-833 Iron-binding capacity

2-834 Hematin detection

Porphyrins

2-835 Estimation of iron

Transferrin

2-836 Detection of blood in body fluids

2-839 Other analyses of iron and compounds

2-84 Varieties of hemoglobin

2-840 Sickling

2-841 Electrophoretic separation of hemoglobin

2-842 Familial studies of hemoglobin inheritance

2-843 Detection of red blood cells containing Hb-F

Kleihauer test

2-849 Other investigations on varieties of hemoglobin

2-85 Erythrokinetics

2-850 Iron absorption

2-851 Red cell survival time

Cohort labelling

Rate of destruction

2-852 Site of red cell destruction

2-853 Plasma iron transport rate

2-854 Folic acid metabolism

2-855 Cyanocobalamin metabolism (Vitamin B12)

2-856 Thrombokinetetic studies

2-859 Other studies on production and destruction of red blood cells

2-86 Hemostasis and coagulation defects

2-860 Rapid screening tests

Bleeding time (BT)	Clot retraction (CR)
Capillary resistance test (CRT)	Coagulation (CT)

2-861 Control of anticoagulant therapy

Heparin assay	Thrombin clotting time (TCT)
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2-862 Prothrombin tests

One-stage prothrombin test (PT)
 Partial prothromboplastin time (PTT)
 Prothrombin time (with Russell's viper venom) (PTV)
 Prothrombin and proconvertin (Owren) (P&P)

2-863 Quantitative tests

Accelerator globulin ACG (Factor V), proaccelerin
 Platelet defects
 Platelet life span
 Prothrombin consumption test
 Specific coagulation defects

2-864 Graphical record

Coagulogram	Thromboelastogram
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2-865 Tests of fibrinolytic activity

Fibrinogen-fibrin related antigen (FR)
 Products of fibrinogen degeneration (FDP)
 Thromboplast in generation test (TGT)

Excludes: fibrinogen titre (FGT) (2-321)

2-866 Other tests for blood components

Platelet aggregation time (PAT)

2-869 Other tests of hemostasis and coagulation of blood

2-87 Lymphocytes

2-870 Thymus-dependent lymphocytes

EAC cells	E-binding lymphocytes
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2-871 Reactive B-lymphocytes

Membrane-associated immunoglobulins	Membrane-staining techniques
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2-872 Lupus erythematosus (L.E.) cells

2-873 Lymphocyte transformation test

Stimulation of mitosis by culture with
phytohemagglutinin (PHA)

2-874 Lymphocyte rosette inhibition test

2-875 Antibody-dependent toxicity

2-876 Hamazaki-Wesenberg bodies in lymph nodes

2-879 Other examinations of lymphocytes

2-88 Other leukocytes

2-880 Total leukocyte count

2-881 Differential leukocyte count

2-882 Staining for eosinophils

2-883 Indirect staining of leukocytes

2-884 Classification of polymorphonuclear cells by lobulation

2-885 Nitro blue tetrazolium test (NBT)

2-886 Migration inhibition

Macrophage electrophoretic mobility (MEM)
Opsonic index

2-887 Enzyme activity of leukocytes

2-889 Other examination of leukocytes and blood

GENERAL PATHOLOGY

2-90 Histology

2-900 Unfixed section, unstained

2-901 Optical microscopy by special techniques

Polarizing microscopy

Reflexion microscopy

2-902 Stained sections

Hematoxylin and eosin

Reticulum stain

2-903 Histochemistry

2-904 Enzyme cytology of tissue

Pentose shunt in epithelial smear (G-6 PD)
Tartrate-resistant acid phosphatase

- 2-905 Immunofluorescence in sections
- 2-906 Electron microscopy of tissues and cells
- Computer image analysis
- 2-907 Examination of biopsy material from digestive tract
 - Jejunal biopsy Rectal mucosal biopsy
- 2-909 Other biopsy examination
- 2-91 Cytology
 - 2-910 Examination of cerebrospinal fluid cells
 - 2-911 Examination of smears from respiratory tract
 - Bronchial Nasal
 - 2-912 Examination of stomach washings
 - 2-913 Examination of intestinal washings for cells
 - Colonic Feces
 - 2-914 Examination of urinary cells
 - 2-915 Examination of spermatic fluid
 - Spermigram
 - Volume, count, motility, differential count
 - Excludes: forensic examination (2-942)
 - 2-916 Examination of vaginal or cervical smear
 - Papanicolaou stain
 - 2-917 Cytological examination of other body fluids
 - Amniotic fluid Peritoneal fluid
 - Ascitic fluid Pleural fluid
 - 2-919 Other cytological examination
- 2-92 Examination of cell nuclear structure and chromosomes
 - 2-920 Nucleus/cytoplasm ratio
 - 2-922 Sex chromatin
 - Barr drumstick
 - 2-923 Karyotyping of chromosomes
 - Chromosome aberrations

2-924 Banding and fluorescent staining of chromosomes

2-925 Cell culture and stimulation of mitosis

Quinacrine mustard staining

2-926 Computer assisted chromosome analysis

2-93 Culture and examination of tissues

2-930 Culture of tissue for diagnosis

2-931 Hormone assay of tissue susceptibility

2-932 Extraction of transfer factor

2-933 Fibroblast culture

Cystic fibrosis factor activity (CFFA)

2-934 Malignant tissue culture for chemosensitivity

2-939 Other examination of tissue

2-94 Forensic examinations and chemical analysis

2-940 Heavy metals in dermal appendages

2-941 Identification of blood stains

2-942 Examination of seminal stains

2-943 Chemical analysis of gastric contents

2-944 Other forensic chemical analysis of tissues

2-946 Microscopic examination

2-949 Other forensic examination

Lead in paint work

2-95 Gross pathology

2-950 Naked eye examination of organ or tissue

Dissection of specimen Whole organ section (lung)

2-951 Macroscopic examination of gastric contents

2-952 Chemical analysis of tissue

2-953 Immunofluorescence of tissue

2-954 Digestion of tissue for examination of parasites

2-959 Other pathological examination

2-97 Postmortem procedures

- 2-970 Postmortem examination, general
 - 2-971 Postmortem examination, brain
 - 2-972 Postmortem examination, chest
 - 2-973 Other limited postmortem examination
 - 2-979 Other postmortem procedures
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4. PREVENTIVE PROCEDURES

4. PREVENTIVE PROCEDURES

CERTAIN HEALTH EXAMINATIONS

4-10 Prenuptial examination

4-100 Prenuptial health examination, male

4-101 Prenuptial health examination, female

4-11 Geriatric health care

4-110 Health examination, old person

4-119 Other geriatric care

4-12 Health examination related to employment

4-120 Health examination before employment

4-122 Periodical occupational health examination

4-125 Health examination for retirement

4-129 Occupational health examination, not otherwise specified

4-13 Other adult health examination

4-130 Adult health examination under own initiative

4-131 Recall health examination

4-139 Adult health examination, not otherwise specified

4-14 Psychiatric assessment for legal purposes

4-140 Determination of legal responsibility

4-149 Other psychiatric assessment

4-15 Physical examination for legal purposes

4-150 Medical examination of rape victim

4-156 Medical examination of victim of other aggression

4-159 Medical examination for legal purpose, not otherwise specified

4-16 Other health examination for administrative purposes

4-160 For induction in armed forces or police

4-161 For driving licence

4-162 For licence as food handler or vendor

4-163 For licence in other personal services

Beauticians

Domestics

4-169 Medical examination for administrative purpose, not otherwise specified

4-17 Other commissioned health examination

4-170 For health insurance proposal

4-171 For health insurance compensation

4-179 Other commissioned health examination

4-19 Other health examination

4-190 Other specified health examination

4-199 Health examination, not otherwise specified

SCREENING EXAMINATION

4-20 Prenatal screening investigation

4-200 Cardio-ergodynamography of fetal heart

4-201 Pregnancy stress tests

4-202 Examination of fetoplacental products

Placental lactogen

Urinary estrogens

Excludes: amniocentesis (5-753)
ultrasonic cephalography (see Chapter 3)

4-209 Other prenatal screening

4-21 Neonatal screening for abnormality

4-210 Determination of immaturity

4-211 Screening for congenital hip disease

4-212 Screening for phenylketonuria

4-213 Screening for hemoglobinopathies

Sickling, Hb-S

Thalassemia

4-214 Screening for galactosemia

4-215 Screening for other biochemical disorders

4-22 Other infancy screening examination

- 4-220 Screening for cot death liability
- 4-221 Screening for battered baby suspect
- 4-229 Other infancy screening examination

4-23 Childhood screening examination

- 4-230 Screening for deafness
- 4-231 Screening for other physical disabilities
- 4-232 Psychological screening
- 4-233 Screening for infectious conditions

Pediculosis

Plantar warts

- 4-239 Other childhood screening examination

4-24 Adult screening examination

- 4-240 Screening by chest radiography

Excludes: mass miniature radiography (see Chapter 3)

- 4-249 Other adult screening

4-25 Cancer screening examination

- 4-250 Prophylactic smear for cytology
- 4-251 Routine cervical smear
- 4-259 Screening for cancer

4-26 Biochemical screening

- 4-260 Screening for biochemical changes

4-27 Other screening examination

- 4-270 Multiphasic screening
- 4-279 Screening examination

PREVENTION AND CONTROL OF INFECTIOUS DISEASES

4-30 Isolation on account of infection

- 4-300 Isolation of patient with infectious disease
- 4-301 Isolation of contact of infected patient
- 4-302 Isolation of carrier of infection

- 4-303 Isolation of immunosuppressed patient
- 4-309 Isolation, unqualified
- 4-31 Surveillance and investigation for infection
 - 4-310 Surveillance of contact
 - 4-311 Surveillance of carrier
 - 4-312 Search for new cases
 - 4-313 Tracing and investigation of contact
 - 4-314 Investigation of carrier
 - 4-319 Surveillance for infectious disease, not otherwise specified
- 4-32 Immunization against bacterial disease
 - 4-320 Cholera immunization
 - 4-322 Immunization against Salmonella group
- TAB (C)
 - 4-323 Plague immunization
 - 4-324 Meningococcal immunization
 - 4-329 Unspecified bacterial immunization
- 4-33 Immunization against other bacterial disease
 - 4-330 Tuberculosis immunization
- BCG vaccination
 - 4-331 Brucellosis immunization
 - 4-332 Tularemia immunization
 - 4-333 Diphtheria immunization
 - 4-334 Whooping cough immunization
- Bordetella pertussis vaccination
 - 4-335 Tetanus immunization
 - 4-336 DPT immunization
 - 4-339 Other bacterial immunization
- 4-34 Immunization against viral disease
 - 4-340 Smallpox vaccination
 - 4-341 Yellow fever immunization

- 4-342 Rabies immunization
- 4-343 Influenza immunization
- 4-344 Typhus immunization
- 4-35 Immunization against other viral and unspecified disease
 - 4-350 Measles immunization
 - 4-351 Rubella immunization
 - 4-352 Mumps immunization
 - 4-353 Poliomyelitis immunization
 - 4-358 Other viral immunization
 - 4-359 Other immunization
- 4-36 Drug protection against protozoal and helminth infection
 - 4-360 Antimalarial drug prophylaxis
 - 4-361 Antiamoebic drug prophylaxis
 - 4-362 Antischistosomal drug prophylaxis
 - 4-363 Antifilarial drug prophylaxis
 - 4-369 Anthelmintic drug prophylaxis
- 4-37 Drug protection against other infections
 - 4-370 Antibiotic prophylaxis against rheumatic fever
 - 4-371 Other antibiotic prophylaxis
 - 4-373 Chemoprophylaxis against tuberculosis
- Administration of medicaments after tuberculin conversion without sign of disease
 - 4-374 Drug prophylaxis for meningococcal carrier
 - 4-379 Drug prophylaxis against infection
- 4-38 Other prophylaxis against infection
 - 4-389 Prophylaxis against infection, not otherwise specified

PROPHYLAXIS AND CONTROL OF OTHER GENERAL DISEASES

- 4-40 Alteration of immunological status
 - 4-400 Administration of gammaglobulin
 - 4-402 Enhancement of immunity by other means

4-409 Other alteration of immunological status

Excludes: immunosuppression for transplant (9-220)

4-43 Removal of potential source of infection

4-430 Prophylactic dental extraction

4-439 Other removal of potential source of infection

Excludes: appendectomy (5-470):
optional (5-982)
tonsillectomy (5-281)

4-44 Alteration of hematological status

4-440 Prophylactic administration of anti-D (Rhesus) globulin

4-441 Prophylactic administration of anticoagulants

4-449 Other prophylactic alteration of hematological status

4-45 Hormonal prophylaxis and control

4-450 Steroid prophylaxis

4-452 Psychiatric control by endocrine prophylaxis

4-459 Other endocrine prophylaxis

4-46 Dietary prophylaxis

4-460 Low carbohydrate diet, prophylactic

4-461 Low calory diet, prophylactic

4-462 Low salt or salt-free diet, prophylactic

4-463 Low protein diet, prophylactic

4-464 Unsaturated fat diet, prophylactic

4-469 Other dietary prophylaxis

4-47 Prophylaxis by inorganic salts or vitamins

4-470 Goitre prophylaxis with iodine

Excludes: iodized salt (4-471)

4-471 Use of iodized salt

4-472 Vitamin D supplements

4-473 Other vitamin supplements

4-479 Inorganic salt supplements

- 4-48 Other specified prophylaxis
- 4-480 Specified prophylaxis, not elsewhere classified
- 4-49 Unspecified prophylaxis
- 4-499 Unspecified prophylaxis

CONTROL OF LOCAL CONDITIONS

- 4-50 Surveillance and notification of disease
- 4-500 Notification of ophthalmia
- 4-501 Surveillance of local disease
- 4-509 Notification of local disease
- 4-52 Surgical dental prophylaxis
- 4-520 Dental debridement
- Plaque removal
- 4-521 Dental scaling and polishing
- 4-529 Prophylactic dental surgery
- 4-53 Other dental prophylaxis
- 4-530 Anti-tooth-decay serum
- 4-531 Fluoride dentifrice
- 4-532 Topical fluoride application
- Excludes: water fluoridation (4-533)
- 4-533 Use of fluoridated water
- 4-539 Other dental prophylaxis
- 4-55 Home control of vectors
- 4-550 Control of flies
- 4-551 Control of mosquitos
- 4-552 Control of bedbugs
- 4-553 Control of other arthropods
- 4-554 Control of rodents
- 4-555 Control of other mammals
- 4-559 Not otherwise specified

MATERNAL AND CHILD HEALTH CARE

4-60 Initial ambulatory medical attention, current pregnancy

4-601 Prenatal, first trimester

4-602 Prenatal, second trimester

4-603 Prenatal, third trimester

4-61 Initial medical ambulatory attention after delivery

4-610 Postnatal, case having had prenatal care

4-612 Postnatal, case not having had prenatal care4-62 Subsequent medical attention, current pregnancy

4-620 Prenatal

4-622 Postnatal

4-63 Public health nurse care

Includes: services provided by:
 graduate or registered nurse (with public health training)
 midwife with university degree or equivalent

4-630 Registration for initiation of care

Prenatal

4-631 Registration for initiation of care

Postnatal

4-632 At health center, prenatal care

4-633 At health center, postnatal care

4-635 At home, prenatal visit

4-636 At home, postnatal visit

4-65 Contraceptive procedures

4-650 Contraceptive instruction

4-651 Prescription of oral contraceptive

4-652 Prescription of intrauterine device

4-653 Insertion of intrauterine device

4-658 Other contraceptive procedures

Excludes: male surgical sterilization (5-981)
 surgical operation for female sterilization (5-980)

- 4-659 Contraceptive procedure, not otherwise specified
- 4-66 Eugenic procedures
 - 4-660 Genetic counselling
 - 4-662 Prevention of specific congenital abnormalities
 - 4-669 Other eugenic procedure
- 4-67 Child medical guidance
 - 4-670 Child medical guidance
- 4-69 Participation in other health activities
 - 4-690 Individual general mothercraft instruction
 - 4-691 General mothercraft instruction to group
 - 4-692 Nutrition information and demonstration
 - 4-695 Other health education activities
 - 4-697 Exercising in preparation for delivery
 - 4-698 Other health activities related to maternal or child care
- 4-70 Premature care at home
 - 4-700 Incubator
 - 4-702 Other
- 4-71 Well baby health care
 - 4-710 Initial medical attention
 - 4-712 Subsequent medical attention
 - 4-715 First nurse-parent(s) conference at health center
 - 4-716 Subsequent nurse-parent(s) conferences at health center
 - 4-717 First nurse home visit related to baby
 - 4-718 Subsequent nurse home visits related to baby
- 4-72 Preschool child health care
 - 4-720 Initial medical attention
 - 4-721 Subsequent medical attention
 - 4-725 First nurse-parent(s) conference at health center
 - 4-726 Subsequent nurse-parent(s) conferences at health center
 - 4-727 First nurse home visit related to child
 - 4-728 Subsequent nurse home visits related to child

4-73 School child health care

- 4-730 Entrance medical examination, primary school student
- 4-731 Other medical examination, primary school student
- 4-732 Entrance medical examination, other school student
- 4-733 Other medical examination, other school student
- 4-736 Interview nurse-parent(s) at health center or school
- 4-737 Interview nurse-child at health center or school
- 4-738 Nurse home visit related to student

Note: preferably, categories 4-78 and 4-79 should be used only when the health unit provides no care by professional personnel of the types considered or implied under 4-60 to 4-63 and 4-70 to 4-73.

4-78 Health care by other personnel

Includes: services provided at the health unit

- 4-780 First prenatal attention, current pregnancy
- 4-781 Subsequent prenatal attention, current pregnancy
- 4-782 First postnatal attention
- 4-783 Subsequent postnatal attention
- 4-784 Well baby, first attention
- 4-785 Well baby, subsequent attention
- 4-786 Preschool child, first attention
- 4-787 Preschool child, subsequent attention
- 4-788 School child, first attention

Includes: services provided at the school premises

- 4-789 School child, subsequent attention

4-79 Home health care by other personnel

- 4-790 Home visit related to pregnancy or puerperium
- 4-791 Home visit related to care of baby
- 4-792 Home visit related to care of preschool child
- 4-793 Home visit related to care of school child

5. SURGICAL PROCEDURES

5 - SURGICAL PROCEDURES

Excludes: biopsies (1-4 and 1-5), performed as independent procedures

OPERATIONS ON THE NERVOUS SYSTEM

5-01 Incision and excision of skull, brain and meninges

5-010 Cranial puncture

Aspiration (drainage)

Ventriculopuncture

(Other available code: cisternal puncture 1-206)

5-011 Craniotomy

Burr holes

Removal of unwanted material

Craniectomy

Reopening of craniotomy

Decompression, cranial

Trephination

Excludes: decompression of fracture (5-020)

removal of plate (5-020)

strip craniectomy (5-020)

5-012 Incision of brain and meninges

Electrocoagulation

Lobotomy

Leucotomy

Tractotomy

Excludes: division of cortical adhesions (5-029)

5-013 Operations on thalamus and globus pallidus

Incision

Ansa

Excision

Cingulus

Destruction

Globus pallidus

Thalamus

5-014 Other excision or destruction of brain and meninges

Decortication

Marsupialization

Lobectomy

Resection

5-015 Excision of lesion of skull

5-02 Other operations on skull, brain and meninges

5-020 Cranioplasty

Elevation of bone fragments

Removal of bone or plate

Linear craniectomy

Repair with graft or plate

Opening cranial suture

5-021 Repair of cerebral meninges

Graft of dura

Ligation, meningeal artery

Ligation, venous sinus

Repair of encephalocele
or meningocele

5-022 Ventriculostomy

Anastomosis, ventricle to cisterna magna
Ventriculocisternal drainage

5-023 Extracranial ventricular shunt

Anastomosis, ventriculo-atrial
ventriculo-pleural
ventriculo-caval

5-024 Revision of ventricular shunt

Removal or replacement of valve or catheter

Excludes: irrigation of shunt (8-151)

5-029 Other operations on skull, brain and meninges

Freeing of intracranial adhesions

Excludes: hypophysectomy (5-075)
operations on pineal gland (5-074)

5-03 Operations on spinal cord and spinal canal structures

5-030 Exploration of spinal canal

Laminectomy

Laminotomy

Reopening of laminectomy site

5-031 Division of intraspinal nerve root

5-032 Chordotomy

Electrocoagulation

Percutaneous division of cord

Stereotaxis

Tractotomy

5-033 Excision or destruction of spinal cord and meninges

5-034 Plastic operations on spinal cord and meninges

Elevation of bone fragments

Repair of spina bifida

Removal of granulation tissue

Suture of meninges

5-035 Freeing adhesions of spinal cord and nerve roots

5-036 Spinal drainage

Drainage by puncture

Drainage by shunt of spinal theca

(Other available code: diagnostic spinal puncture 1-206)

5-037 Injection of destructive agent into spinal canal

(Other available code: injection of other drugs 8-570)

5-039 Other operations on spinal cord and canal structures

Insertion of neuropacemaker

Excludes: excision of intervertebral disc (5-803)

other operations on vertebral column (5-78, 5-80 and 5-810)

5-04 Operations on cranial and peripheral nerves

5-040 Division and excision of nerve

Crushing

Ramisection

Excludes: glossopharyngeal nerve (5-299)
 opticociliary neurectomy (5-133)
 spinal nerve roots (5-031)
 superior laryngeal nerve (5-319)
 sympathetic ganglia (5-051)

5-041 Other destruction of nerve

5-042 Suture of nerve

Reanastomosis of divided nerve

5-043 Freeing of adhesions and decompression of nerve

Release of nerve in carpal tunnel

5-044 Nerve graft

5-045 Transposition of nerve

5-046 Other neuroplasty

Cross anastomosis, nerve

Repair of old injury

New attachment of nerve

5-047 Injection into nerve

(Other available code: anesthesia for operation 8-571)

5-049 Other operations on cranial and peripheral nerves

5-05 Operations on sympathetic nerves or ganglia

Includes: parasympathetic nervous system

Excludes: sympathetic nerves to:

adrenals (5-073)

uterus (5-694)

eye (5-133)

vascular bundles (5-399)

tympanum (5-209)

5-050 Division of sympathetic nerve or ganglion

Crushing

Splanchnicotomy

5-051 Sympathectomy

Excision of nerve or ganglion

Presacral neurectomy

Excludes: periarterial stripping (5-397)

tympanosympathectomy (5-209)

5-052 Injection into sympathetic nerve or ganglion

5-053 Other operations on sympathetic nerves or ganglia

Gangliorrhapy

Suture of nerve

5-059 Other operations on the nervous system

OPERATIONS ON ENDOCRINE SYSTEM

5-06 Operations on thyroid and parathyroid glands

5-060 Incision of thyroid field

Drainage

Thyroglossal tract

Exploration

Thyroid gland

Reopening wound

5-061 Unilateral thyroid lobectomy

Hemithyroidectomy

5-062 Other partial thyroidectomy

Excision of adenoma

Thyroidectomy, unqualified

Isthmectomy

5-063 Complete thyroidectomy

5-064 Substernal thyroidectomy

Partial

Total

5-065 Excision of lingual thyroid

5-066 Excision of thyroglossal tract

5-067 Partial parathyroidectomy

Excision of adenoma

Excision of ectopic parathyroid

5-068 Complete parathyroidectomy

5-069 Other operations on thyroid and parathyroid glands

Division of thyroid isthmus

Ligation of thyroid arteries

5-07 Operations on other endocrine glands

5-070 Exploration of adrenal glands

5-071 Partial adrenalectomy

Excision of lesion

Unilateral excision of adrenal

5-072 Bilateral adrenalectomy

Removal of remaining gland

Includes: associated oophorectomy

5-073 Other operations on adrenal glands

Division of nerves to adrenal glands

Ligation of adrenal artery

5-074 Operations on pineal gland

5-075 Hypophysectomy

Ablation of pituitary

Section of hypophyseal stalk

Cryohypophysectomy

(Other available code: interstitial irradiation - see Chapter 3)

5-076 Other operations on hypophysis

Drainage of Rathke's pouch

5-077 Thymectomy

5-078 Transplantation of thymus

5-079 Other operations on endocrine glands

Excludes: aortic and carotid bodies (5-398)

ovaries (5-650 to 5-659)

pancreas (5-520 to 5-529)

testis (5-620 to 5-629)

OPERATIONS ON THE EYES

5-08 Operations on lacrimal apparatus

5-080 Incision of lacrimal gland

Removal of foreign body

5-081 Excision of lacrimal gland or lesion

Dacryoadenectomy

5-082 Other operations on lacrimal gland

5-083 Removal of lesion of lacrimal passages

Removal of calculus

5-084 Incision of lacrimal sac and passages

Drainage

Splitting of lacrimal papillae

5-085 Excision of lacrimal sac or lesion

Dacryocystectomy

Destruction of sac

5-086 Repair of canaliculus and punctum

Correction of everted punctum

Repair of punctum

Plastic operation

Suture of canaliculus

5-087 Dacryocystorhinostomy

D.C.R.

Intubation

Fistulization into nose

Nasolacrimal anastomosis

5-088 Conjunctivorhinostomy

Canthocystostomy

Conjunctivodacryocystorhinostomy

Dacryocystostomy

5-089 Other operations on lacrimal apparatus

(Other available code: catheterization of lacrimal duct 8-141)

5-09 Operations on eyelids

5-090 Incision of eyelid

Blepharotomy

Drainage of hordeolum

Drainage of chalazion

5-091 Excision or destruction of eyelid

Excision of cilia base

Tarsectomy

Excision of Meibomian gland

5-092 Operations on canthus and tarsus

Epicanthus repair

Palpebral fissure repair

5-093 Correction of entropion or ectropion

5-094 Correction of blepharoptosis

5-095 Blepharorrhaphy

Suture of eyelid

Tarsorrhaphy

Excludes: canthorrhaphy (5-092)

5-096 Other repair of eyelids

Repositioning of cilia base

Transplantation of hair follicles

5-099 Other operations on eyelids

(Other available codes: epilation of eyelid 8-181
removal of foreign body 8-102)

5-10 Operations on ocular muscles

5-100 Myotomy and tenotomy of ocular muscles

5-101 Excision of ocular muscle or tendon
with recession or advancement of same muscle

5-102 Advancement or recession of ocular muscle

5-103 Transposition of ocular muscle

Excludes: transposition for correction of ptosis (5-094)

5-104 Other shortening of ocular muscle

5-105 Freeing of adhesions of ocular muscle

5-109 Other operations on ocular muscle

5-11 Operations on conjunctiva

5-110 Removal of foreign body from conjunctiva by incision

Excludes: magnet extraction (5-120)
other (8-101)

5-111 Other incision of conjunctiva

Expression of follicles

Peritomy

5-112 Excision of lesion of conjunctiva

Curettage of follicles

Peritectomy

5-113 Conjunctivoplasty

Conjunctival flap

Mucosal graft

5-114 Freeing of adhesions of conjunctiva and eyelid

5-115 Suture of conjunctiva

5-119 Other operations on conjunctiva

5-12 Operations on cornea

5-120 Magnetic removal of foreign body from cornea

5-121 Incision of cornea

Keratotomy

Saemisch section

5-122 Excision of pterygium

Includes: with graft or transposition

5-123 Excision or destruction of lesion of cornea

Fistulectomy

Keratotomy

5-124 Suture of cornea

5-125 Corneal transplant

Lamellar keratoplasty

Penetrating keratoplasty

5-126 Other repair of cornea

Collar stud prosthesis

Refractive keratoplasty

Insertion of keratoprosthesis

5-129 Other operations on cornea

Tattooing of cornea

5-13 Operations on iris, ciliary body and anterior chamber

5-130 Removal of foreign body from anterior eye by incision

Foreign body penetrating cornea

5-131 Magnetic removal of foreign body from anterior eye

Anterior chamber, ciliary body, iris

5-132 Relief of intraocular tension

Filtering procedure

Sclerectomy

Iridencleisis

Sclerotomy

Excludes: exploratory sclerotomy (5-139)

5-133 Facilitation of intraocular circulation

Diminution of ciliary body:	(irido-)cyclectomy
Improved internal drainage:	
ciliarotomy	goniopuncture
cyclotomy	trabeculotomy
Reduction of formation of aqueous:	
cycloanemization	Opticociliary injection
cyclodiathermy	Opticociliary neurectomy

(Other available code: injection into eye or orbit 8-572)

5-134 Destruction of lesion of iris, ciliary body or sclera

Excision of prolapsed iris or ciliary body

(Other available code: laser beam destruction - see Chapter 3)

5-135 Other iridectomy or iridotomy

Iridosclerostomy	Optical iridectomy
Iridosclerotomy	Sphincterotomy of iris
Iridocystectomy (peripheral)	Transfixion of iris

5-136 Iridoplasty

Freeing of adhesions in anterior segment of eye
Repair of uveal hernia

5-137 Scleroplasty

Repair of sclera	With graft
Suture of sclera	

5-139 Other operations on iris, ciliary body and anterior chamber

Exploratory sclerotomy

(Other available codes: aspiration of anterior chamber 8-152
injection into anterior chamber 8-572)

5-14 Operations on lens

5-140 Magnetic removal of foreign body from lens

5-141 Removal of foreign body from lens by incision

5-142 Linear extraction of lens

Curette evacuation

5-143 Discission of lens and capsulotomy

Needling of capsule

5-144 Intracapsular extraction of lens

Cryoextraction	Forceps extraction
Erysiphake extraction	Suction extraction

5-145 Extracapsular extraction of lens

Includes: combined, or with iridectomy

5-146 Other cataract extraction

Phakoemulsification

5-147 Insertion of prosthetic lens

5-148 Removal of implanted lens

5-149 Other operations on lens

Capsulectomy

5-15 Operations on retina, choroid and vitreous

5-150 Removal of foreign body from posterior eye by incision

Removal of encircling tube

5-151 Magnetic removal of foreign body from posterior eye

5-152 Scleral buckling with implant

Buckling with vitreous implant

5-153 Other scleral buckling

Constriction of globe

Scleral resection

5-154 Other operations for repair of retina

5-155 Destruction of lesion of retina or choroid

5-156 Other operations on retina or choroid

(Other available codes: laser beam destruction - see chapter 3
laser beam production of adhesions-see chapter 3
other photocoagulation 8-622)

5-157 Operations on vitreous

Replacement of vitreous

5-16 Operations on orbit and eyeball

5-160 Orbitotomy

Decompression

Drainage

5-161 Removal of foreign body from eye or orbit NEC

Excludes: removal of nonpenetrating foreign body (8-102)

5-162 Evisceration of eyeball

Removal of ocular contents

With implant into scleral shell

5-164 Excision or destruction of orbital contents

Reinsertion of extruded implant

5-167 Repair of orbit

5-169 Other operations on orbit and eye

(Other available code: therapeutic injection into eye or orbit 8-572)

5-18 Operations on external ear

Drainage of furuncle

(Other available code: puncture of furuncle 8-150)

5-181 Excision or destruction of lesion of external ear

Curettage	Excision of preauricular fistula
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5-182 Other excision of external ear

Amputation of ear	Radical excision of ear
<p>1. Incision of skin</p> <p>2. Dissection of skin</p> <p>3. Removal of skin</p> <p>4. Closure of wound</p>	<p>1. Incision of skin</p> <p>2. Dissection of skin</p> <p>3. Removal of skin</p> <p>4. Closure of wound</p>

5-183 Suture of external ear

5-184 Surgical correction of prominent ear

Cartilage graft

5-185 Reconstruction of external auditory canal

Correction of meatal atresia Skin graft lining

5-186 Other repair of external ear

Reconstruction of auricle of ear

5-189 Other operations on external ear

(Other available codes: removal of cerumen 8-171
removal of foreign body in meatus 8-103)

5-19 Reconstructive operations on middle ear

5-190 Stapes mobilization

Crurotomy of stapes
Division of otosclerotic material
Remobilization

5-191 Stapedectomy

With fenestration of footplate
With graft of vein or fat
With wire prosthesis

5-192 Revision of stapedectomy

5-193 Other operations on ossicular chain

5-194 Myringoplasty

Construction of tympanum	Type I tympanoplasty
Repair of eardrum	

5-195 Other tympanoplasty

Type II, graft against incus or malleus
Type III, myringostapediopexy
Type IV, leaving mobile foot plate
Type V, graft covering semicircular canal

5-196 Revision of tympanoplasty

5-199 Other repair of middle ear

Closure of mastoid fistula

5-20 Other operations on middle and inner ear

5-200 Myringotomy

Insertion of tympanotomy tube	Paracentesis tympani
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5-201 Removal of tympanostomy tube

Removal of grommet

5-202 Incision of mastoid and middle ear

Atticotomy	Exploration, transtympanic
Drainage of mastoid antrum	Hypotympanotomy

5-203 Mastoidectomy

Attico-antrotomy	Mastoid antrotomy
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(Other available codes: skin grafting 5-893
tympanoplasty 5-194, 5-195)

5-204 Other excision of middle ear

Excision of cholesteatoma
Excision of petrous apex cells

Removal of outer attic wall

5-205 Fenestration of inner ear

With partial ossiculectomy
With skin or vein graft

5-206 Revision of fenestration

5-207 Incision and destruction of inner ear

Drainage
Endolymphatic shunt
Excision, glomus jugulare tumor

Labyrinthotomy
Sacculotomy
Vestibulotomy

5-209 Other operations on middle and inner ear

Revision of mastoidectomy

Tympanosympathectomy

(Other available codes: insufflation of Eustachian tube 8-173
tympanic injection 8-573
ultrasonic destruction - see chapter 3)

OPERATIONS ON NOSE, MOUTH AND PHARYNX

5-21 Operations on nose

5-210 Control of epistaxis

By cautery, cryosurgery, suture

Excludes: ligation of artery (5-387)

(Other available code: nasal packing 8-501)

5-211 Incision of nose

Drainage
Removal of foreign body

Septotomy
Turbinotomy

Excludes: removal of foreign body by rhinoscopy (8-104)

5-212 Excision or destruction of lesion of nose

Polypectomy

Snaring

Excludes: cauterization (5-911)
electrocoagulation (5-920)
freezing (5-944)
ionization (5-931)
ostectomy of facial bone (5-772)

5-213 Resection of nose

(Other available code: rhinoplasty 5-217)

5-214 Submucous resection of nasal septum

5-215 Turbinectomy

Electrocoagulation

(Other available code: infraction of turbinate 8-210)

5-216 Open reduction of fracture of nasal bone

Excludes: closed reduction of fracture (8-210)

(Other available code: correction of displacement, nasal 8-201)

5-217 Repair and plastic operations on nose

Closure, septal perforation
Graft or implant

Reconstruction
Suture

Excludes: suture or graft of skin of nose (5-890 to 5-897)

(Other available code: manipulation of displaced septum 8-201)

5-219 Other operations on nose

Separation of adhesions

5-22 Operations on nasal sinuses

5-220 Puncture of nasal sinus

With irrigation

5-221 Intranasal antrotomy

Antrum window operation

5-222 External maxillary antrotomy

Canine fossa approach

Includes: associated antrum window operation

5-223 Frontal sinusotomy and sinusectomy

Decompression
Drainage of mucocele

Excision of lesion

5-224 Other nasal sinusotomy

Combined sinuses
Ethmoidotomy

Sphenoidotomy

5-225 Other nasal sinusectomy

Ethmoidectomy
Sphenoidectomy

With removal of turbinates

5-226 Repair of nasal sinus

Plastic operation on sinus

Repair of oro-antral fistula

Excludes: elevation of fractured bone:
frontal sinus (5-767)
maxillary sinus (5-763)

5-229 Other operations on nasal sinuses

Excludes: excision of neoplasm of antrum (5-771)

5-23 Removal and restoration of teeth

5-230 Forceps extraction of tooth

5-231 Surgical removal of tooth

Excision of buried root
Removal of impacted tooth

With odontotomy or dental flap

5-232 Restoration of tooth by filling

With drilling of cavity

(Other available code: temporary dressing 9-300)

5-233 Restoration of tooth by inlay

Gold inlay

5-234 Other dental restoration

Crown: ceramic, gold

Fixed bridge

5-235 Reimplantation of tooth

5-236 Prosthetic dental implant

Endosseous implant

5-237 Apicectomy and root canal therapy

Canal filling
Nerve extirpation

Pulpectomy

5-24 Other operations on gums and alveolus

5-240 Incision of gum or alveolar bone

Drainage of dental abscess

Drainage of pulp canal

5-241 Gingivoplasty

With graft of bone or soft tissue

5-242 Other operations on gum

Curettage of periodontium	Suture of gingiva
Excision of epulis or granuloma of gum	

5-243 Excision of dental lesion of jaw

Dental cyst	Odontome
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5-244 Alveoloplasty

Alveolectomy	Vestibuloplasty
Reconstruction of alveolar ridge	

5-245 Exposure of tooth

5-246 Application of orthodontic appliance

Arch bars	Orthodontic wiring
Obturator	Periodontal splint

(Other available codes: insertion of orthodontic appliance 8-350
wiring of teeth 8-334)

5-247 Other orthodontic operation

Equilibration	Repair of dental arch
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5-249 Other dental operation

(Other available codes: dental prophylaxis 4-520 to 4-529
removable denture or appliance 9-301 to 9-303)

5-25 Operation on tongue

5-250 Excision or destruction of lesion of tongue

Excision of benign neoplasm	Frenumectomy
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Excludes: frenotomy of tongue (5-258)

5-251 Partial glossectomy

Glossectomy, unqualified	Wedge resection of tongue
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5-252 Complete glossectomy

(Other available code: regional lymph node excision 5-402)

5-253 Radical glossectomy

Commando removal of tongue and jaw

(Other available code: radical cervical lymphadenectomy 5-403)

5-254 Repair of tongue and glossoplasty

Fascial sling	Fusion to lip
Freeing of adhesions	Graft, skin or mucosa

5-258 Frenotomy, lingual

5-259 Other operations on tongue

Incision and drainage

(Other available code: radiotherapy, volume implant - see chapter 3)

5-26 Operations on salivary glands and ducts

5-260 Incision of salivary gland or duct

Drainage of abscess

Sialoadenotomy

Enlargement of duct orifice

Sialolithotomy

5-261 Excision of lesion of salivary gland

Excision of benign neoplasm

Marsupialization of sublingual cyst

5-262 Other excision of salivary gland

Lobectomy of parotid gland

5-263 Repair of salivary gland or duct

Closure of fistula

Sialodochoplasty

Revision of scar of duct

Transplantation of duct opening

5-269 Other operations on salivary glands and ducts

(Other available codes: dilation of duct 8-223
removal of calculus 8-110)

5-27 Other operations on mouth and face

5-270 Drainage of face or floor of mouth

Drainage of facial abscess

Drainage of Ludwig's angina

Excludes: drainage of thyroglossal tract (5-060)

5-271 Incision of palate

Drainage of abscess

Fenestration of palate

5-272 Excision of palate

5-273 Excision of other parts of mouth

Excludes: excision of tongue (5-251 to 5-253)

5-274 Plastic repair of mouth

Closure of fistula

Stomatoplasty

Correction of buccal deformity

With graft of skin or mucosa

Excludes: closure of oro-antral fistula (5-226)
correction of microstoma or macrostoma (5-898)
repair of cleft lip (5-898)

5-275 Palatoplasty

Repair of cleft palate
Reconstruction of palate

Suture
With bone or skin graft

5-276 Operations on uvula

5-279 Other operations on mouth and face

Labial frenotomy with suture

(Other available code: removal of foreign body
from mouth or palate 8-110)

5-28 Operations on tonsils and adenoids

5-280 Oral drainage of pharyngeal abscess

Parapharyngeal
Peritonsillar

Retropharyngeal
Tonsillar

5-281 Tonsillectomy (without adenoidectomy)

5-282 Tonsillectomy with adenoidectomy

5-283 Excision of tonsil tag

5-284 Excision of lingual tonsil

5-285 Adenoidectomy (without tonsillectomy)

Excision of adenoid tag

5-289 Other operations on tonsils or adenoids

Excision of lesion

(Other available code: control of hemorrhage after tonsillectomy 8-894)

5-29 Operations on pharynx

5-290 Pharyngotomy

Aspiration of diverticulum

Removal of foreign body

Excludes: drainage of retropharyngeal abscess (5-280)

(Other available code: removal of foreign body
without incision 8-110)

5-291 Excision of branchial cleft vestiges

Excludes: excision of thyroglossal tract (5-066)

5-292 Excision or destruction of lesion of pharynx

Diverticulectomy

Pharyngectomy

Excision or closure of fistula (except branchial)

Excludes: laryngopharyngectomy (5-304)

5-293 Plastic operation on pharynx

Correction of atresia

Reconstruction

5-294 Other repair of pharynx

Division of adhesions or web

Invagination of diverticulum

(Other available code: dilation 8-224)

OPERATIONS ON RESPIRATORY SYSTEM

5-30 Excision of larynx

5-300 Excision or destruction of lesion of larynx

Excision of lesion of epiglottis

Stripping of vocal cords

Excludes: endoscopic application of caustic (5-981)

5-301 Hemilaryngectomy

5-302 Other partial laryngectomy

Arytenoidectomy

Cricothyroidectomy

Epiglottidectomy

Laryngectomy, unqualified

Submucous excision of cord

5-303 Complete laryngectomy

5-304 Radical laryngectomy

Includes: radical neck dissection

5-31 Other operations on larynx and trachea

5-310 Injection into larynx

Injection of vocal cord

5-311 Temporary tracheostomy

Emergency cricothyroidotomy

Tracheostomy, unqualified

5-312 Permanent tracheostomy

5-313 Other incision of larynx or trachea

Drainage

Exploration

Laryngotomy

Thyrotomy

5-314 Local excision or destruction of trachea

Bronchoscopic electrocoagulation

Resection with reanastomosis

5-315 Repair of larynx

Closure of fistula
Cordopexy

Insertion of plate or keel
Transposition of cords

5-316 Repair and plastic operations on trachea

Closure of tracheostomy
Construction of artificial larynx
Reconstruction of trachea

Tracheoplasty
Tracheorrhaphy

Excludes: closure of tracheo-esophageal fistula (5-427)

5-319 Other operations on larynx and trachea

Dilation
Division of adhesions or web

Removal of plate

(Other available codes: injection into trachea 8-574
removal of tracheostomy tube 8-109
replacement of tracheostomy tube 8-700)

5-32 Excision of lung and bronchus

5-320 Excision or destruction of lesion of bronchus

Bronchoscopic destruction

Local excision

5-321 Other excision of bronchus

En bloc resection

Sleeve resection

5-322 Excision or destruction of lesion of lung

Excision of tumor

Removal of cyst

5-323 Segmental excision of lung

Apicectomy
Lingulectomy

Partial lobectomy
Wedge resection

5-324 Lobectomy of lung

Partial pneumonectomy

5-325 Complete pneumonectomy

Extended pneumonectomy
Pneumonectomy, unqualified

Radical (mediastinal) dissection

5-329 Other excision of lung and bronchus

Excludes: pulmonary decortication (5-344)

5-33 Other operations on lung and bronchus

5-330 Incision of bronchus

Exploration

Removal of foreign body
by incision

Excludes: removal of foreign body by bronchoscopy (8-107)

5-331 Incision of lung

Drainage

Removal of foreign body

5-332 Surgical collapse of lung

Destruction of phrenic nerve

Thoracoplasty

Plombage

Excludes: therapeutic pneumothorax (8-731)

5-333 Freeing of adhesions of lung and chest wall

Pneumonolysis

Thoracolysis

5-334 Repair and plastic operation on lung and bronchus

Anastomosis to trachea

Reconstruction

Closure of fistula

Suture

5-335 Lung transplant

5-339 Other operations on lung and bronchus

Dilation of bronchus

Ligation of bronchus

Excludes: ligation of vascular pedicle (5-387)

(Other available code: aspiration of lung 8-156)

5-34 Operations on chest wall, pleura, mediastinum and diaphragm

5-340 Incision of chest wall and pleura

Exploration

Rib resection for drainage

Hemostasia

Thoracotomy

5-341 Incision of mediastinum

Drainage

Removal of foreign body

Exploration

5-342 Excision or destruction of mediastinal lesion

5-343 Excision or destruction of chest wall lesion

Costectomy for thoracic disease

Resection of chest wall

Excludes: costectomy for disease of rib (5-783)

excision of skin lesion of chest wall (5-884, 5-885)

5-344 Pleurectomy

Excision of pleural lesion

Pulmonary decortication

5-345 Scarification of pleura

Obliteration of pleural cavity Poudrage

5-346 Repair of chest wall

Correction of pectus excavatum

5-347 Operations on diaphragm

Drainage

Resection

Excision of lesion

Suture

Excludes: repair of diaphragmatic hernia (5-537 and 5-538)

5-349 Other operations on thorax

Excludes: lysis of adhesions (5-333)
thoracocentesis (5-962)

OPERATIONS ON THE CARDIOVASCULAR SYSTEM

5-35 Operations on valves and septum of heart

5-350 Closed heart valvotomy

Commissurotomy, transventricular

Digital opening of valve

5-351 Open heart valvotomy

Division of chordae tendinae

Open commissurotomy

Division of papillary muscle

Removal of leaflets or cusps

Infundibulectomy

Sculpturing of valve

5-352 Replacement of heart valve

Graft or prosthesis

Partial or total

5-353 Heart valvuloplasty (without replacement)

Annuloplasty

Mobilization or hinging

Bicuspidization

Repair of cusp

5-354 Other repair of defects of heart valves

Reattachment of papillary muscle

Repair of sinus of Valsalva aneurysm

5-355 Production of septal defect in heart

Enlargement of foramen

5-356 Other repair of valve or septum with prosthesis

Outflow prosthesis

Tube prosthesis for

Plastic patch implant

pulmonary artery

5-357 Other repair of valve or septum (without prosthesis)

Auricular ligation	Repair of endocardial defect
Closure of septal fenestration	Repair with tissue graft
Interatrial baffle (pericardial)	

5-359 Other operations on valves and septum of heart

5-36 Operations on vessels of heart

5-360 Removal of coronary artery obstruction

Coronary endarterectomy

Includes: venous graft or patch repair

5-361 Bypass anastomosis for heart revascularization

Aortocoronary anastomosis	Internal mammary to coronary
Direct revascularization	anastomosis

5-362 Heart revascularization by arterial implant

Implantation of aortic branches
 Implantation of internal mammary artery into heart muscle
 Indirect vascularization

5-363 Other heart revascularization

Abrasion of epicardium	Introduction of irritants
Cardio-omentopexy	Poudrage

5-369 Other operations on vessels of heart

Ligation of coronary arteriovenous fistula

5-37 Other operations on heart and pericardium

5-370 Pericardiocentesis

(Other available codes: cardioscopy 1-691
 diagnostic pericardial aspiration 1-842
 drainage aspiration of pericardial cavity 8-153
 pericardial injection 8-575)

5-371 Pericardiotomy

Division of adhesions	Pericardial window operation
Evacuation of hematoma	Removal of foreign body

5-372 Pericardiectomy

Decortication	Excision of cyst
Excision of adhesions or scar	

5-373 Excision of lesion of heart

Atrial appendectomy	Excision of aneurysm
Excision of akinetic area	Myocardectomy of infarct

5-374 Other repair of heart and pericardium

Ligation	Suture
Repair of ruptured aneurysm	

5-375 Heart transplant

5-376 Implant of heart assist system

Artificial heart	Intra-aortic balloon pump
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Includes: removal, replacement or repair of system

5-377 Implant of cardiac pacemaker

Implant of epicardial electrodes
 Implant of pulse generator (battery)
 By thoracotomy or mediastinotomy

(Other available codes: cardiac pacing 8-650 to 8-658
 electrical conversion of cardiac rhythm
 8-640 to 8-649
 intravenous endocardial electrode 8-840)

3-378 Removal or replacement of implanted cardiac pacemaker

Excludes: replacement of battery (5-973)

5-379 Other operations on heart or pericardium

Open chest cardiac massage

Excludes: replacement or removal of transvenous electrodes (8-882)

5-38 Incision, excision and occlusion of vessels

Optional anatomical subdivision, fifth digit:

1 intracranial	5 abdominal arteries
2 other head and neck	6 abdominal veins
3 upper limb vessels	7 lower limb arteries
4 thoracic vessels	8 lower limb veins

Excludes: heart vessels (5-360 to 5-369)

5-380 Incision of vessel

Embolectomy	Exploration
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Excludes: catheterization of vessel (8-830 to 8-839)
 puncture of vessel (8-840 to 8-849)

5-381 Endarterectomy

Thromboendarterectomy

Includes: removal of thrombus
temporary bypass during operation
vein patch closure

5-382 Resection of vessel with reanastomosis

Correction of coarctation of aorta
Excision of aneurysm with reanastomosis

5-383 Resection of vessel with replacement

Graft or synthetic bypass
Graft or synthetic implant

5-384 Ligation and stripping of varicose veins

5-385 Other excision of vessels

Aneurysmectomy	Excision of vein for graft
Excision of lesion of vessel	

Excludes: aneurysmectomy of heart (5-373)

5-386 Plication of vena cava

Antiembotic filter	Ligation
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5-387 Other surgical occlusion of vessels

Banding or ligation	Suture of aneurysmal
Division	sacculation

Excludes: adrenal artery (5-073)
coronary artery (5-369)
gastric or duodenal vessel (ulcer) (5-443)
meningeal vessels (5-021)
thyroid artery (5-069)

5-39 Other operations on vessels

5-390 Systemic to pulmonary arterial shunt

Anastomosis:
aorta-pulmonary artery
left to right shunt
pulmonary-innominate artery
subclavian-pulmonary artery

5-391 Intra-abdominal venous anastomosis

Anastomosis:
mesenteric-caval
portacaval
portal decompression
splenorenal
Portal venous shunt

5-392 Other shunt or vascular bypass

Arterial bypass graft (venous) (saphenous)
Arteriovenous anastomosis
Prosthetic bypass graft

Excludes: extracorporeal cardiopulmonary bypass
(during operation) (5-396)

5-393 Suture of vessel

Excludes: suture of aneurysm (5-395)
see also exclusions to 5-387

5-394 Revision of vascular procedure

Control of hemorrhage	Replacement of vascular graft
Removal of clots or infected tissue	

3-395 Other repair of vessel

Aneurysmorrhaphy	Prosthetic patch to artery
Patch graft to artery	Re-entry operation, aorta

5-396 Extracorporeal cardiopulmonary bypass

Artificial heart and lung

(Other available code: hemodialysis (8-853))

5-397 Periarterial sympathectomy

Decortication or denervation of artery

5-398 Operation on carotid and other vascular bodies

Chemodectomy	Insertion of pacemaker
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Excludes: glomus jugulare operation (5-207)

5-399 Other operations on vessels

Freeing of adherent tissue in vascular bundle

OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEMS

5-40 Operations on lymphatic system

5-400 Incision of lymphatic structures

Drainage	Lymphadenotomy
Incision of cystic hygroma	Lymphangiectomy

5-401 Simple excision of lymphatic structure

Excision of cystic hygroma	Excision of lymph node
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5-402 Regional lymph node excision

5-403 Radical excision of cervical lymph nodes

Resection down to muscle and deep fascia

5-404 Other radical excision of lymph nodes

5-405 Operations on thoracic duct

Closure of fistula

Ligation of thoracic duct

(Other available code: withdrawal of body fluid 8-829)

5-409 Other operations on lymphatic structures

Excision of lymphedema

Transplantation of lymphatics

Lymph node graft

(Other available code: injection into lymphatic vessel 8-577)

5-41 Operations on spleen and bone marrow

5-410 Bone marrow transplant

(Other available code: removal of bone marrow 8-154)

5-411 Puncture of spleen

(Other available code: contrast radiography - see Chapter 3)

5-412 Splenotomy

Drainage of abscess

Exploration

5-413 Splenectomy

Excision of lesion

Total splenectomy

Partial splenectomy

5-418 Other operations on bone marrow

5-419 Other operations on spleen

Excision of accessory spleen

Transplant of spleen

Fixation, suture or repair

Excludes: freeing of adhesions of spleen (5-544)

OPERATIONS ON THE DIGESTIVE SYSTEM

5-42 Operations on esophagus

5-420 Esophagotomy

Drainage

Exploration by incision

Removal of foreign body by incision

Rupture of esophageal web

Exteriorization of pouch

5-423 Excision of esophagus With end-to-end anastomosis

5-424 Anastomosis of esophagus (intrathoracic)

5-425 Antesternal anastomosis of esophagus

Presternal graft or prosthesis
Production of subcutaneous tunnel with anastomosis

5-426 Esophagomyotomy

Cardiomyotomy	Esophagogastromyotomy
Division of cardiac sphincter	

5-427 Other repair of esophagus

Cardioplasty
Closure of fistula or stoma
Production of subcutaneous tunnel without anastomosis

Excludes: repair of diaphragmatic hernia (5-537 and 5-538)

5-428 Manipulation within esophagus

Dilation	Removal of foreign body
Intubation	Tamponade

5-429 Other operations on esophagus

Injection of esophageal varices
Ligation of blood vessels

5-43 Incision and excision of stomach

5-430 Gastrotomy

Exploration	Removal of foreign body
<p>1. History and physical examination</p> <p>2. Plain radiographs (X-rays)</p> <p>3. Ultrasound</p> <p>4. CT scan</p> <p>5. MRI</p> <p>6. Endoscopy</p> <p>7. Biopsy</p>	<p>1. Surgical removal</p> <p>2. Endoscopic removal</p> <p>3. Laser removal</p> <p>4. Cryotherapy</p> <p>5. Radiotherapy</p> <p>6. Chemotherapy</p> <p>7. Immunotherapy</p>

5-431 Temporary gastrostomy

Fine calibre tube gastrostomy

5-432 Permanent gastrostomy

Tubulovalvular fistula

5-433 Pyloromyotomy

5-434 Excision or destruction of lesion of stomach

Excision of diverticulum

Wedge resection of lesion

Excision of ulcer

5-435 Partial gastrectomy with anastomosis to esophagus

Cardiectomy

Proximal (subtotal) gastrectomy

5-436 Partial gastrectomy with anastomosis to duodenum

Anrectomy

Pylorectomy

5-437 Partial gastrectomy with anastomosis to jejunum

Gastroduodenectomy (partial)

5-438 Other partial gastrectomy

Fundusectomy

With gastrogastrostomy

Gastrectomy, unqualified

With jejunal interposition

5-439 Total gastrectomy

Complete gastroduodenectomy

With esophagoduodenostomy

Radical gastrectomy

With esophagojejunostomy

5-44 Other operations on stomach

5-440 Vagotomy

Selective vagotomy

Transection of vagus

5-441 Pyloroplasty

5-442 Gastroenterostomy (without gastrectomy)

Bypass gastrojejunostomy

5-443 Suture of gastric or duodenal ulcer site

Closure of perforated ulcer

Ligation of bleeding vessel

5-444 Revision of gastric anastomosis

Conversion of anastomosis

Pantaloon operation

Jejunal interposition

5-445 Other repair of stomach

Closure of gastrostomy

Other suture of stomach

Gastroplasty

Repair of gastrocolic fistula

Invagination of diverticulum

Excludes: suture of ulcer (5-443)

5-449 Other operations on stomach

Reduction of gastric volvulus

Excludes: cryosurgery of stomach (5-434)

(Other available code: gastric cooling 8-613)

5-45 Incision, excision and anastomosis of intestine

5-450 Enterotomy

Drainage

Removal of foreign body

Exploration

Excludes: duodenocholedochotomy (5-513 and 5-514)
exteriorized intestine (5-460)
proctotomy (5-480)

5-451 Excision or destruction of lesion of small intestine

Excision of diverticulum

Redundant mucosa, ileostomy

Polyps

Ulcer (duodenal)

5-452 Excision or destruction of lesion of large intestine

Excision of diverticulum

Polyps

Intestine, unqualified

Redundant mucosa, colostomy

Excludes: segmental excision of intestine with lesion (5-455)

5-453 Isolation of intestinal segment

Resection for interposition

Reversal of segment

5-454 Other excision of small intestine

Duodenectomy

Jejunectomy

Enterectomy

With end-to-end anastomosis

Ileectomy

With excision of lesion

Excludes: enterocolectomy (5-455)
gastroduodenectomy (5-436 and 5-439)
pancreatoduodenectomy (5-524 to 5-526)

5-455 Excision of large intestine, partial

Excision with end-to-end anastomosis

Excludes: proctosigmoidectomy (5-483 to 5-485)

5-456 Total colectomy

Excision of cecum, colon and sigmoid colon

5-457 Anastomosis, small to small intestine

Bypass shunt of: duodenum, ileum or jejunum

5-458 Anastomosis, small to large intestine

Colon exclusion

Intestinal bypass

5-459 Anastomosis, large to large intestine

Bypass shunt of: cecum, colon or sigmoid, colon and rectum

5-46 Other operations on intestine

5-460 Exteriorization of intestine

Loop colostomy

Resection and formation of stoma

5-461 Colostomy

Cecostomy

Sigmoidostomy

5-462 Ileostomy

Formation or transplantation of stoma site

5-463 Other enterostomy

Duodenostomy

Jejunostomy

5-464 Repair of intestinal stoma

Release of scar tissue

Revision, reconstruction

Excludes: excision of redundant mucosa (5-451)

5-465 Closure of intestinal stoma

5-466 Fixation of intestine

To abdominal wall

To liver

5-467 Other repair of intestine

Closure of fistula or perforated ulcer

Excludes: closure of perforated duodenal ulcer (5-443)
closure of vesical fistula (5-578)

5-468 Intra-abdominal manipulation of intestine

Malrotation

Torsion

Reduction of intussusception

Volvulus

5-469 Other operations on intestine

Revision of anastomosis

Sigmoid myotomy

(Other available codes: dilation of stoma 8-225
intubation of small intestine 8-124)

5-47 Operations on appendix

5-470 Appendectomy

Includes: appendectomy with drainage

5-471 Drainage of appendix abscess

5-479 Other operations on appendix

Appendicostomy

Closure of fistula

5-48 Operations on rectum

5-480 Proctotomy

Decompression

Proctoalvotomy

Exploration

Removal of foreign body
by incision

5-481 Proctostomy

5-482 Local excision or destruction of rectum

Cauterization

Excision of rectal mucosa

5-483 Pull-through excision of rectum

5-484 Abdominoperineal excision of rectum

Combined synchronous excision

5-485 Other excision of rectum

Protosigmoidectomy

With end-to-end anastomosis

Sphincter saving operation

5-486 Repair of rectum

Closure of fistula, internal

Suture

Closure of proctostomy

With graft or wiring

Fixation

Excludes: repair of rectovaginal fistula (5-706)

5-487 Incision or excision of perirectal tissue

Drainage of pelvirectal tissue

Incision of rectovaginal septum

Excision of external fistula

5-489 Other operations on rectum and perirectal tissue

Freeing of adhesions

(Other available codes: dilation of rectum 8-225
 irrigation 8-127
 manual reduction of prolapse 8-242
 removal of foreign body by endoscopy 8-113
 removal of impacted feces 8-127)

5-49 Operations on anus

5-490 Incision or excision of perianal tissue

Drainage of abscess

Undercutting for denervation

5-491 Incision or excision of anal fistula

5-492 Other local excision or destruction of anus

Cryptectomy

Papillectomy

Fissurectomy

Removal of anal tags

5-493 Hemorrhoidectomy

Cauterization

Ligation

Crushing

Excludes: injection (5-973)

(Other available code: ringing 8-341)

5-494 Division of anal sphincter

5-495 Other excision of anus

5-496 Repair of anus

Cerclage

Sphincteroplasty

Closure of fistula

Suture

Repair of imperforate anus

Wiring

5-499 Other operations on anus

Evacuation of thrombosed hemorrhoids

(Other available codes: control of postoperative hemorrhage 8-896
dilation of anus 8-225
irrigation 8-127
manual reduction of hemorrhoids 8-243)

5-50 Operations on liver

5-500 Hepatotomy

Drainage

Removal of foreign body

Exploration

With packing

5-501 Local excision or destruction of liver

Marsupialization

Partial hepatectomy

5-502 Lobectomy of liver

5-503 Total hepatectomy

5-504 Liver transplant

5-505 Repair of liver

Hemostatic suture

Hepatopexy

5-509 Other operations on liver

(Other available code: percutaneous aspiration of abscess 8-158)

5-51 Operations on gallbladder and biliary tract

5-510 Cholecystotomy

Drainage
Exploration

Removal of foreign body or
calculus from gallbladder

5-511 Cholecystectomy

Includes: drainage and lithotomy

5-512 Anastomosis of gallbladder or bile duct

Includes: anastomosis to:
intestine
pancreas
stomach

5-513 Incision of bile ducts, for relief of obstruction

For calculus, stricture or tumor

5-514 Other incision of bile ducts

For drainage, endoscopy, exploration, radiography

5-515 Local excision or destruction of bile ducts

Excision of ampulla (of Vater), with reimplantation of ducts
Resection, with end-to-end anastomosis of duct

5-516 Repair of bile ducts

Closure of artificial opening

Suture

5-517 Removal of prosthetic appliance from bile duct

5-518 Operation on sphincter of Oddi

5-519 Other operations on biliary tract

Repair of gallbladder

Repair of gallbladder fistula

Excludes: freeing of adhesions (5-544)

5-52 Operations on pancreas

5-520 Pancreatotomy

Drainage (external)
Exploration

Removal of calculus

5-521 Local excision or destruction of pancreas

5-522 Marsupialization of pancreatic cyst

5-523 Internal drainage of pancreatic cyst

5-524 Partial pancreatectomy

Fistulectomy

Includes: associated duodenectomy

5-525 Total pancreatectomy

Includes: associated duodenectomy

5-526 Radical pancreaticoduodenectomy

With anastomosis to stomach or jejunum

5-527 Anastomosis of pancreatic duct

Anastomosis to stomach, jejunum or ileum

Implant of tube

Excludes: anastomosis with bile duct (5-512)

5-528 Transplant of pancreas

5-529 Other operations on pancreas

Dilation of duct (of Wirsung)

Removal of tube

Repair of duct

Suture

Excludes: freeing of adhesions (5-544)

5-53 Repair of hernia

5-530 Repair of inguofemoral hernia

5-531 Repair of inguofemoral hernia with graft or prosthesis

5-532 Bilateral repair of inguofemoral hernia

5-533 Bilateral repair of inguofemoral hernia with graft or prosthesis

Fascial graft

Synthetic mesh fabric

5-534 Repair of umbilical hernia

Omphalocele

Paraumbilical hernia

5-535 Repair of other hernia of anterior abdominal wall

5-536 Repair of other hernia of anterior abdominal wall with graft or prosthesis

Epigastric hernia

Gastroschisis

Incisional hernia

Ventral hernia

5-537 Repair of diaphragmatic hernia

Abdominal approach

Para-esophageal hernia

Parahiatal hernia

5-538 Repair of diaphragmatic hernia, thoracic approach

Parasternal hernia

With thoraco-abdominal approach

5-539 Other hernia repair

Excludes: freeing of intestinal adhesions (5-544)

relief of strangulated hernia with exteriorization of
bowel (5-460)

repair of enterocele in female (5-707)

5-54 Other operations in abdominal region

Includes: inguinal region

Male pelvic cavity

Excludes: female pelvic cavity (5-65, 5-66)

retroperitoneal tissue (5-590)

superficial tissues (5-880 to 5-908)

5-540 Incision of abdominal parietes

Extraperitoneal drainage

Removal of foreign body

Extraperitoneal exploration

5-541 Laparotomy

Celiotomy

Reopening of recent laparotomy
site

Drainage, peritoneal

Excludes: culdocentesis (5-700)

drainage of appendix abscess (5-471)

reopening wound for hemorrhage (8-896)

5-542 Excision or destruction of abdominal wall and umbilicus

Excludes: size reduction (5-901)

skin of abdominal wall (5-883 to 5-885)

5-543 Excision or destruction of peritoneum

Mesentery

Omentum

5-544 Division of peritoneal adhesions

Adhesions surrounding intraperitoneal organs

Excludes: fallopian tube and ovary (5-647)

kidney, ureter and retroperitoneal (5-590)

5-545 Suture of abdominal wall and peritoneum

Closure of burst abdomen

Secondary suture

Delayed closure

5-546 Other repair of abdominal wall and peritoneum

Detorsion of omentum	Plication of intestine
Fixation of intestine	Suture or mesentery and
Grafting of omentum	ligaments

5-549 Other operations in abdominal region

Removal of foreign body in peritoneal cavity
 Repair of multiple injuries to abdominal organs

Excludes: paracentesis abdominis (5-963)

(Other available code: aspiration of abdominal cavity 8-157)

OPERATIONS ON THE URINARY TRACT

5-55 Operations on kidney

5-550 Nephrotomy and nephrostomy

Drainage	Removal of calculus or foreign
Exploration	body

5-551 Pyelotomy and pyelostomy

Drainage	Removal of calculus in renal
Exploration	pelvis

Excludes: removal of calculus via ureter (5-560)

5-552 Local excision or destruction of kidney

5-553 Partial nephrectomy

Calycectomy	Wedge resection
Heminephrectomy	

5-554 Total nephrectomy

Nephro-ureterectomy

5-555 Transplant of kidney

5-556 Nephropexy

Fixation of movable kidney

5-557 Other repair of kidney

Anastomosis: kidney and pelvis to ureter or kidney
 Correction of pelviureteral junction
 Nephroplasty and pyeloplasty
 Reduction of torsion
 Suture

5-559 Other operations on kidney

Decapsulation

Implantation of artificial kidney

Excludes: freeing of perirenal adhesions (5-590)

(Other available codes: aspiration of renal cyst or pelvis 8-160
radiographic puncture- see chapter 3)5-56 Operations on ureter

5-560 Transurethral clearance of ureter and renal pelvis

Removal of:
blood clot
calculusRemoval of:
foreign body

5-561 Ureteral meatotomy

Modification of ureterovesical junction

5-562 Ureterotomy

Exploration
Implantation of electronic
stimulatorRemoval of calculus
Ureteral splinting

5-563 Ureterectomy

Excision of lesion
Resection with end-to-end anastomosis

5-564 Cutaneous uretero-ileostomy

Ileal bladder

Ileal conduit

5-565 Other external urinary diversion

Implantation of ureter into skin

5-566 Urinary diversion to intestine

Implantation of ureter into: ileum, colon, rectum

Includes: associated colostomy

5-567 Other anastomosis or bypass of ureter

Nephrocystanastomosis
Pyeloureterovesical anastomosis
Reimplantation of ureter into bladder
Revision of anastomosis

5-568 Repair of ureter

Closure of fistula
Freeing of internal adhesionsGraft
Suture

5-569 Other operations on ureter

Ligation

Excludes: denervation (5-051)
ureteral catheterization and dilation (5-598)

5-57 Operations on urinary bladder

5-570 Transurethral clearance from bladder

Aspiration of blood clot	Crushing and removal of calculus
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(Other available codes: bladder washout 8-133
other aspiration 8-161
removal of foreign body 8-114)

5-571 Cystotomy

Drainage (suction)	Removal of calculus, clot or
Exploration	foreign body
Implantation of electronic	Suprapubic catheterization
stimulator	

5-572 Cystostomy

(Other available code: removal or replacement of tube 8-136)

5-573 Transurethral excision or destruction of bladder

Bladder neck	Papilloma
Diathermy fulguration	Punch operation
Electroresection	Ulcer

Excludes: instillation of cytotoxic drug (5-965)

(Other available code: radioactive implant - see chapter 3)

5-574 Other excision or destruction of bladder

Diverticulectomy
Excision of urachal cyst
Open operation for resection or fulguration of tumor

5-575 Partial cystectomy

Dome of bladder	Wedge resection
Trigonectomy	

5-576 Complete cystectomy

Cystoprostatectomy	Radical cystectomy
Pelvic clearance, in male	With removal of urethra

5-577 Reconstruction of urinary bladder

Augmentation of bladder	Ileocystoplasty
Colocystoplasty	Replacement of bladder

5-40

5-578 Other repair of urinary bladder

Closure of fistula	Sphincteroplasty
Cystocolic anastomosis	Suture
Cystoplasty	

Excludes: closure of vesicorectal fistula (5-486)
closure of vesicovaginal fistula (5-706)
operation for stress incontinence (5-592 to 5-597)
repair of cystocele (5-704)

5-579 Other operations on urinary bladder

Freeing of internal adhesions

Excludes: freeing of external adhesions (5-544)

(Other available codes: aspiration by puncture 8-161
distension 8-226
removal of foreign body, endoscopic 8-114
replacement of cystostomy tube 8-136)

5-58 Operations on urethra

5-580 External urethrotomy

Exploration	Urethrostomy
Removal of calculus by incision	

5-581 Urethral meatotomy

5-582 Excision or destruction of urethra

Excision of:	Excision of:
congenital valve	fistula
diverticulum	stricture

5-583 Repair of urethra

Closure of urethrostomy	Reconstruction
End-to-end anastomosis	Suture

Excludes: closure of urethrorectal fistula (5-486)
closure of urethrovaginal fistula (5-706)
repair of epispadias or hypospadias (5-643)
repair of obstetric laceration (5-756)
repair of urethrocele (5-704)

5-584 Freeing of stricture of urethra

Internal urethrotomy

5-585 Dilation of urethra

Calibration of urethra

5-589 Other operations on urethra

Drainage of bulbourethral gland
Incision and excision of periurethral tissue

5-59 Other operations on urinary tract

5-590 Dissection of retroperitoneal tissue

Drainage	Perirenal tissue
Exploration	Periureteral tissue
Freeing of adhesions	

5-591 Incision of perivesical tissue

Drainage	Perineal tissue
Exploration	Retropubic tissue

5-592 Plication of urethrovesical junction

Kelly-Stoeckel plication or stitch

5-593 Levator muscle operation

Ingleman-Sundberg operation	Pubococcygeoplasty or sling
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5-594 Suprapubic sling operation

Fascia lata sling

5-595 Retropubic urethral suspension

Marshall-Marchetti-Kranz operation

Suture of paraurethral tissue to symphysis pubis

5-596 Periurethral suspension and compression

Pereyra operation

Suspension of urethrovesical junction

5-597 Other repair of urinary incontinence

Urethrovesicopexy

Excludes: operation with colporrhaphy (5-704)

5-598 Ureteral catheterization

Dilation, ureteral meatus

Excludes: removal of calculus from kidney (5-560)

(Other available codes: retrograde pyelography - see chapter 3
sampling of single kidney 1-554)

5-599 Other operations on urinary system

Excludes: replacement or removal of external urinary drain (5-982)

OPERATIONS ON MALE GENITAL ORGANS

Excludes: surgical operations to produce male sterilization (5-981)

5-60 Operations on prostate and seminal vesicles

5-600 Incision of prostate

Drainage

Removal of calculus by incision

5-601 Transurethral prostatectomy

Cutting loop

Punch resection

5-602 Suprapubic prostatectomy

Transvesical

5-603 Retropubic prostatectomy

Transcapsular retropubic resection

5-604 Radical prostatectomy

By any approach

Prostatovesiculectomy

Excludes: cystoprostatectomy (5-576)

5-605 Other prostatectomy

Perineal (transcapsular)
Prostatectomy, unqualified

Transcapsular prostatectomy

5-606 Operations on seminal vesicles

Spermatocystectomy

Excludes: prostatovesiculectomy (5-604)

5-607 Incision or excision of periprostatic tissue

Drainage

5-608 Other operations on prostate

Control of hemorrhage by endoscopy

5-61 Operations on scrotum and tunica vaginalis

5-610 Incision of scrotum and tunica vaginalis

Drainage

5-611 Excision of hydrocele (of tunica vaginalis)

Repair of hydrocele

5-612 Excision or destruction of scrotal lesion

Fistulectomy of scrotum

Resection of scrotum

Reduction of elephantiasis

5-613 Repair of scrotum and tunica vaginalis

Eversion or inversion

Suture

Reconstruction

5-619 Other operations on scrotum and tunica vaginalis

Removal of foreign body

5-62 Operations on testis

5-620 Incision of testis

Drainage

Removal of foreign body

5-621 Excision or destruction of testis lesion

5-622 Unilateral orchiectomy

5-623 Bilateral orchiectomy

Castration

Removal of remaining testis

Removal of ovotestis

5-624 Orchiopexy

Exploration for abdominal testis

Mobilization and replacement in scrotum

5-625 Repair of testis

Excludes: reduction of torsion (5-634)

5-626 Insertion of testicular prosthesis

5-629 Other operations on testis

(Other available codes: aspiration of hydrocele 8-163
injection of hydrocele 8-582)

5-63 Operations on spermatic cord, epididymis and vas deferens

5-630 Excision of varicocele and hydrocele of spermatic cord

Ligation of spermatic veins

Varicocelectomy

Repair of hydrocele of cord

5-631 Excision of cyst of epididymis

Spermatoclectomy

5-632 Excision of other lesion of spermatic cord and epididymis

5-633 Other epididymectomy

Excludes: that with orchiectomy (5-622 and 5-623)

5-634 Repair of spermatic cord and epididymis

Detorsion of spermatic cord
Suture of spermatic cord

Transplantation of cord

Excludes: that with orchiopexy (5-624)

5-635 Vasotomy

Drainage and exploration

Removal of foreign body

5-636 Vasectomy

For excision of lesion

5-637 Repair of vas deferens and epididymis

Anastomosis or reconstruction
Epididymovasostomy

Removal of ligature or valve
Suture

5-639 Other operations on spermatic cord, epididymis and vas deferens

(Other available code: aspiration of spermatocele 8-163)

5-64 Operations on penis

5-640 Circumcision

5-641 Local excision or destruction of penis

5-642 Amputation of penis

5-643 Repair and plastic operation on penis

Balanoplasty
Reconstruction

Release of chordee
Repair of epispadias, hypospadias
Suture

5-644 Operations for sex transformation, not elsewhere classified

Operations with indeterminate sex

5-649 Other operations on male genital organs

Division of adhesions
Drainage

Irrigation, corpus cavernosum

OPERATIONS ON FEMALE GENITAL ORGANS

Excludes: surgical operations to produce female sterilization (5-980)

5-65 Operations on ovary

5-650 Oophorotomy

Drainage (abscess) (cyst)
Rupture of cyst

Salpingo-oophorotomy

5-651 Local excision or destruction of ovary

Ovarian cystectomy
Partial oophorectomy

Wedge resection

5-652 Unilateral oophorectomy

Oophorectomy, unqualified

5-653 Unilateral salpingo-oophorectomy

5-654 Bilateral oophorectomy

Castration, female

Removal of remaining ovary

5-655 Bilateral salpingo-oophorectomy

Removal of remaining ovary and tube

5-656 Repair of ovary

Autotransplant of ovary
Oophoropexy
Oophoroplasty

Salpingo-oophoroplasty
Suture

Excludes: homotransplant of ovary (5-659)
salpingo-oophorostomy (5-666)

5-657 Freeing of adhesions of ovary and fallopian tube

5-659 Other operations on ovary

Ovarian homograft

(Other available code: aspiration of ovary 8-164)

5-66 Operations on fallopian tube

Excludes: tube with ovary, see 5-65

5-660 Salpingotomy

Drainage

5-661 Total salpingectomy (unilateral)

5-662 Total bilateral salpingectomy

Removal of remaining tube

Excludes: bilateral salpingo-oophorectomy (5-655)

5-663 Bilateral endoscopic destruction or occlusion of fallopian tubes

By culdoscopy
By laparoscopy
Cauterization

Crushing
That of remaining tube

5-664 Other bilateral destruction or occlusion of fallopian tubes

Partial removal
Resection or transection

That of remaining tube

5-665 Other salpingectomy

Cornual resection
Destruction of lesion

Excision of lesion
Fimbriectomy

5-666 Repair of fallopian tube

Anastomosis
Implantation into uterus
Reconstruction

Salpingo-oophorostomy
With graft or prosthesis

Excludes: salpingo-oophoroplasty (5-656)
salpingo-oophororrhaphy (5-656)

5-667 Insufflation of fallopian tubes

With air, gas, saline or dye

(Other available codes: hysterosalpingography - see chapter 3)

5-669 Other operations on fallopian tubes

Unilateral ligation and division (not of remaining tube)

5-67 Operations on cervix

5-670 Dilation of cervical canal

Excludes: dilation and curettage (5-690)
termination of pregnancy (5-752)

5-671 Conization of cervix

Cold (knife) excision of cervix

5-672 Other excision or destruction of lesion of cervix

Cryoconization
Electroconization

Excision of polyp

5-673 Amputation of cervix

Cervicectomy

Excision of cervical stump

Hysterotrachelectomy

With colporrhaphy

5-674 Repair of internal cervical os

Encirclement suture

Supporting suture in pregnancy

Wedge excision with suture

5-675 Other repair of cervix

Late repair of obstetric laceration

Repair of nonobstetric laceration

Excludes: repair of lacerations during the immediate
postpartum period (5-755)

5-679 Other operations on cervix

(Other available code: radioactive implant - see chapter 3)

5-68 Other incision and excision of uterus

5-680 Hysterotomy

(Hystero) trachelotomy

Excludes: embryectomy (5-744)

myomectomy (5-681)

5-681 Excision or destruction of lesion of uterus

Division of endometrial synechiae

Endometrectomy

Myomectomy

(Other available code: radioactive implant - see chapter 3)

5-682 Subtotal abdominal hysterectomy

Fundectomy

Supracervical

Supravaginal

Excludes: hysterotrachelectomy (5-673)

5-683 Total abdominal hysterectomy

Extended hysterectomy

Hysterectomy, unqualified

Panhysterectomy

5-684 Vaginal hysterectomy

Colpohysterectomy

5-685 Radical abdominal hysterectomy

Includes: hysterocolpectomy

modified radical hysterectomy

removal of upper vagina and cellular tissues

5-686 Radical vaginal hysterectomy

5-687 Pelvic evisceration

En masse excision of ovaries, tubes, uterus, vagina
bladder and urethra

(Other available codes: radical lymph node dissection 5-404
regional lymph node dissection 5-402
removal of tubes or ovaries 5-652 to 5-662
repair of cystocele and rectocele 5-704
repair to pelvic floor 5-693)

5-69 Other operations on uterus and supports

5-690 Dilation and curettage (of uterus)

Removal of:

mole

missed abortion

Removal of:

retained products of conception
following delivery or
abortion

Excludes: termination of pregnancy (5-752)

5-691 Vaginal removal of intrauterine foreign body

Removal of intrauterine contraceptive device

5-692 Excision or destruction of uterine supports

Broad ligament

Canal of Nuck

Cyst (parovarian)

Hematoma

Hydrocele

Round ligament

5-693 Repair of uterine supports

Fixation

Plication

Reattachment

Shortening

Ventrosuspension

Broad ligament

Cardinal ligaments

Endopelvic fascia

Uterosacral ligament

5-694 Paracervical uterine denervation

Division of uterosacral ligament

5-695 Repair of uterus

Hystero(trachelo)rrhaphy

Repair of nonobstetric laceration

5-699 Other operations on uterus, cervix and supporting structures

Removal of encircling suture of cervix

Excludes: obstetric dilation or incision of cervix (5-739)
obstetric insertion of bag or pack (5-758)

(Other available codes: insertion of intrauterine contraceptive
appliance 4-653
menstrual regulation 8-165
paracervical nerve block 8-891)

5-70 Operations on vagina

5-700 Culdocentesis

Aspiration of cul-de-sac

Excludes: culdoscopy (5-916)

5-701 Incision of vagina

Colpotomy

Culdotomy

Drainage, pelvic abscess

Exploration

Hymenotomy

Vaginoperineotomy

5-702 Local excision or destruction of vagina

Colpectomy, partial

Excision of:

cyst

hymen

Excision of:

polyp

septum

Excludes: fistulectomy (5-706)

5-703 Obliteration and total excision of vagina

Colpectomy, total

Colpocleisis

5-704 Repair of cystocele and rectocele

Repair of:

pouch of Douglas

urethrocele

Repair of:

vaginal wall (anterior,
posterior)

5-705 Vaginal reconstruction

Colpopoiesis

With graft (skin, colon)

5-706 Other repair of vagina

Colpoperineorrhaphy

Excision and closure of fistula

Fixation

Freeing of adhesions

Hymenorrhaphy

Suture

Excludes: repair of vagina during the immediate postpartum period
(5-756)

5-707 Obliteration of vaginal vault

Repair of enterocele

Suture to obliterate cul-de-sac

5-709 Other operations on vagina

Removal of foreign body by incision

(Other available codes: dilation of vagina 8-228
packing to control hemorrhage, nonobstetric
8-503)

5-71 Operations on vulva and perineum

Includes: Bartholin's gland labia (minora, majora)
 clitoris Skene's gland

Excludes: hymen (5-701 to 5-709)

5-710 Incision of vulva and perineum

Drainage	Exploration
Enlargement of introitus	Removal of foreign body by incision

5-711 Operations on Bartholin's gland

Drainage	Marsupialization
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Excludes: perineal cauterization (5-912)

5-712 Other local excision or destruction of vulva and perineum

Division of Skene's gland	Excision of redundant mucosa
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Excludes: perineal cauterization (5-912)

5-713 Operations on clitoris

Amputation of clitoris

5-714 Radical vulvectomy

5-715 Other vulvectomy

Bilateral (simple)	Partial (unilateral)
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5-716 Repair of vulva and perineum

Closure of perineal fistula	Perineorrhaphy
Perineoplasty	

Excludes: repair of vulva and perineum during the immediate
postpartum period (5-756)

5-719 Other operations on female genital organs

(Other available code: dilation of introitus 8-228)

OBSTETRIC OPERATIONS

5-72 Breech and instrumental delivery

5-720 Low forceps delivery (without episiotomy)

5-721 Low forceps delivery with episiotomy

5-722 Mid forceps delivery

5-723 High forceps delivery

5-724 Forceps rotation of fetal head

5-725 Breech extraction

Version with breech extraction

5-726 Forceps application to aftercoming head

5-727 Breech delivery

5-728 Vacuum traction on fetal scalp

5-729 Other and unspecified instrumental delivery

5-73 Other operations inducing or assisting delivery

5-730 Artificial rupture of membranes

5-731 Other surgical induction of labor

Insertion, hydrostatic bag or bougie

5-732 Internal version and extraction

Cephalic version

Combined version

5-733 Failed forceps

Trial forceps

5-734 Operations on fetus to facilitate delivery

Cleidotomy

Drainage of hydrocephalus

5-738 Episiotomy

With repair

5-739 Other operations assisting delivery

Dilation or incision of cervix

Symphysiotomy

Pubiotomy

Excludes: removal of encircling suture (5-699)

(Other available codes: external version 8-251
medical induction of labor 9-250
other manipulations 8-250 to 8-259
oxytocic drugs 7-500 to 7-509
replacement of cord 8-254)

5-74 Cesarean section and removal of fetus

5-740 Classical cesarean section

Upper uterine segment, transperitoneal

5-741 Cervical cesarean section

Lower uterine segment, transperitoneal

5-742 Extraperitoneal cesarean section

Supravesical, without opening peritoneal cavity

5-743 Removal of intraperitoneal embryo

Abdominal (ectopic) pregnancy

Ovarian pregnancy

Ruptured tubal pregnancy

5-744 Other removal of embryo

By hysterotomy

Hysterectomy during pregnancy

Embryectomy

Excludes: removal of uterine mole (5-690)

termination of pregnancy (5-750 to 5-752)

(Other available code: menstrual extraction 8-165)

5-748 Other cesarean section

5-749 Cesarean section, not otherwise specified

5-75 Other obstetric operations

5-750 Amniotic injection for termination of pregnancy

Injection of:

prostaglandin

saline

Excludes: for induction of labor (9-250)

5-751 Vacuum aspiration for termination of pregnancy

5-752 Other termination of pregnancy

Excludes: by hysterotomy (5-744)

5-753 Amniocentesis

Excludes: amnioscopy (5-925)

5-754 Intrauterine transfusion

Exchange transfusion in utero

Intraperitoneal blood transfusion exchange

5-755 Other intrauterine operations on fetus

Biopsy specimen and blood sampling
Correction of fetal defects
Scalp electrodes

5-756 Removal of retained placenta

Manual removal of placenta and membranes

5-757 Repair of obstetric laceration of uterus

Repair of ruptured uterus Suture of torn cervix

5-758 Repair of other obstetric lacerations

Episiorrhaphy Secondary repair of laceration
Perineorrhaphy

Excludes: late repair, not in immediate postpartum period (5-706 and
5-716)
repair of routine episiotomy (9-263)

5-759 Other obstetric operations

Evacuation of hematoma of vulva
Exploration of uterine cavity, postpartum
Surgical correction of inverted uterus:
incision of cervix
transsection of cervix
Tamponade of uterus, obstetric

Excludes: episiotomy (5-738)

(Other available codes: expression of placenta 8-510
external version 8-251
manipulations of fetus or uterus 8-250 to 8-259
manual replacement of inverted uterus 8-256
manual replacement of retroverted gravid uterus
8-252)

OPERATIONS ON THE MUSCULOSKELETAL SYSTEM

5-76 Reduction of facial fractures

5-760 Closed reduction of zygomatic fracture

5-761 Open reduction of zygomatic fracture

5-762 Closed reduction of maxillary and mandibular fracture

5-763 Open reduction of maxillary and mandibular fracture

5-764 Open reduction of alveolar fracture

5-765 Open reduction of orbital fracture

With graft or implant

5-766 Other closed reduction of facial fracture

(Other available codes: jaw traction 8-473
nasal bone 8-200
wiring of teeth 8-334)

5-767 Other open reduction of facial fracture

Excludes: nasal bone (5-216)

(Other available code: dental wiring 8-334)

5-77 Other operations on facial bones and joints

5-770 Incision of facial bone

Drainage

Removal of foreign body

Exploration

Removal of sequestrum

5-771 Excision or destruction of facial bone lesion

Excludes: excision of odontogenic lesion (5-243)

5-772 Partial ostectomy of facial bone, except mandible

With bone graft or prosthesis

5-773 Excision and reconstruction of mandible

With bone graft or prosthesis

5-774 Temporomandibular arthroplasty

Condylectomy (intracapsular)

Removal of joint structures

Meniscectomy

5-775 Other facial bone repair and osteoplasty

Condylotomy

Ramisection of jaw

Genioplasty

5-779 Other operations on facial bones and joints

Excludes: accessory nasal sinuses (5-220 to 5-229)
nasal bones (5-211 to 5-219)

(Other available codes: injection of therapeutic substances 8-584
and 8-585
manipulation of temporomandibular joint 8-211)

5-78 Operations on other bones

5-780 Incision of bone

Drainage

Removal of foreign body

Drilling, exploration

Removal of sequestrum

5-781 Division of bone

Condylotomy
Displacement

Osteotomy
With muscle transfer

Excludes: clavicotomy of fetus (5-734)
pubiotomy to assist delivery (5-739)

5-782 Osteotomy for hallux valgus

Bunionectomy
Excision of bunionette (5th toe)

Excision of metatarsal head or
phalanx
Exostectomy of hallux

5-783 Excision of bone lesion

With bone graft or bone chips

Excludes: removal of bone fragments of compound fracture (5-795)

5-784 Partial osteotomy

Excision of bone for (homo)graft
Wedge resection
With bone graft or metallic fixation

5-785 Total osteotomy

Excludes: excision of sesamoid bone (5-833)

5-786 Bone graft

Autogenous graft
Heterogenous transplant

Homograft
With metallic fixation

5-787 Internal fixation of bone (without fracture reduction)

Insertion or reinsertion of fixation appliance

Excludes: spine (5-810)

5-788 Removal of internal fixation appliance

Excludes: removal of traction pin or wire (8-460)

5-789 Other operations on bone

Fusion of bone
Lengthening of bone

Reconstruction
Shortening of bone

For details, refer to index and to the following sections:

amputation (5-840 to 5-849)	nasal sinus (5-220 to 5-229)
bone marrow (5-410)	rib (5-340 to 5-343)
face (5-760 to 5-779)	skull (5-010 to 5-029)
fracture (5-790 to 5-794)	sesamoid bone (5-833)
jaw (5-762 to 5-764, 5-770 to 5-779)	spine (5-030, 5-810)
joint, bone ends (5-800 to 5-812)	thumb (5-826)
nasal bone (5-212 to 5-219)	

5-79 Reduction of fracture and dislocation

Excludes: facial bones (5-760 to 5-767)
nasal bones (5-217)
skull (5-020)

(Other available codes: closed reduction of dislocation 8-206
closed reduction of fracture 8-200 to 8-205
skeletal and other traction 8-400 to 8-430,
8-470 to 8-479)

5-790 Closed reduction of fracture with internal fixation

(Other available code: nailing of bone 8-362)

5-791 Open reduction of fracture (without internal fixation)

5-792 Open reduction of fracture with internal fixation

Band, plate, screw, wire

5-793 Closed reduction of separated epiphysis

(Other available code: closed nailing of epiphysis 8-362)

5-794 Open reduction of separated epiphysis

5-795 Toilet of open fracture site

Removal of bone fragments

5-796 Open reduction of dislocation of joint

5-797 Operations for multiple fractures and injuries, not elsewhere
classified

Fracture of bones in two or more limbs

Fracture of limb bone with fracture of skull, thorax or pelvis

Fracture of thorax or pelvis with internal injuries

5-80 Incision and excision of joint structures

Excludes: temporomandibular joint (5-774)

(Other available codes: injection for radiography - see chapter 3
injection of therapeutic substance into joint
or ligament 8-584
therapeutic aspiration 8-166)

5-800 Arthrotomy

Drainage
Exploration

Removal of loose or
foreign body

5-801 Division of joint capsule, ligament or cartilage

Chondrotomy
Desmotomy

Freeing of external adhesions

Excludes: carpal tunnel nerve decompression (5-043)
pubiotomy (symphysiotomy) in delivery (5-739)

5-802 Excision or destruction of lesion of joint

Curettage or cartilage

Excludes: ganglion (5-822)

5-803 Excision of intervertebral disc

With laminectomy or bone graft

5-804 Excision of semilunar cartilage of knee

Meniscectomy

Excludes: excision or removal of cruciate ligament or
loose body (5-800, 5-802)

5-805 Synovectomy of joint

Villusectomy

5-809 Other excision of joint structure

Arthrectomy
Condylectomy

Excision of capsule or ligament

5-81 Repair and plastic operations on joint structures

Includes: repair and reconstruction of:
capsule, cartilage, joint cavity, synovial membrane
graft for bone, cartilage, tendon
internal or external fixation or prosthetic appliance

5-810 Spinal fusion

Arthrodesis of spine

Spondylosyndesis

Excludes: sacroiliac joints (5-812)

5-811 Arthrodesis of foot and ankle

Correction of hammer toe deformity
Fusion of bone of foot
Subtalar or triple arthrodesis

5-812 Arthrodesis of other joints

Excision of bone ends and compression
Production of ankylosis

5-813 Arthroplasty of foot and toe

Capsuloplasty Reconstruction
Chondroplasty

5-814 Arthroplasty of knee

Capsuloplasty Reconstruction
Chondroplasty

5-815 Total hip replacement

Replacement of head of femur and acetabulum by prosthesis

5-816 Other arthroplasty of hip

Acetabuloplasty Replacement of head of femur
Reconstruction

5-817 Arthroplasty of hand and finger

Capsuloplasty Reconstruction
Chondroplasty

5-818 Arthroplasty of shoulder

Capsulorrhaphy Reconstruction
Chondroplasty

5-819 Other repair of joint structure

Arthroplasty of other joints Suture of ligament
Repair of capsule, not involving
joint cavity

Excludes: temporomandibular joint (5-774)

5-82 Operations on muscle, tendon and fascia of hand

5-820 Incision of muscle, tendon fascia and bursa of hand

Drainage	Incision of tendon sheath
Exploration	Irrigation of tendon sheath
Incision of palmar whitlow	Removal of rice bodies, foreign bodies

(Other available code: aspiration of bursa 8-167)

5-821 Division of muscle, tendon and fascia of hand

Release of tendon or muscle	Transection of tendon or muscle
Retinaculotomy (phalangeal)	

5-822 Excision of lesion of muscle, tendon and fascia of hand

Excision of:

ganglion, lesion of tendon sheath, myositis ossificans

5-823 Other excision of muscle, tendon and fascia of hand

Bursectomy

Excision of tendon for graft

Excision of Dupuytren's contracture

5-824 Suture of muscle, tendon and fascia of hand

Myosuture

Repair of tendon

5-825 Transplantation of muscle and tendon of hand

Advancement of tendon

Recession of tendon

Reattachment of tendon

5-826 Reconstruction of thumb

Cocked hat procedure

Digital transfer to act as thumb

Pollicization. with neurovascular bundle

Toe to thumb transfer

With bone graft, skin graft or island graft

5-827 Plastic operation on hand with graft or implant

Opponens plasty

With graft of fascia,

Tendon pulley reconstruction

muscle or tendon

5-828 Other plastic operations on hand

Fixation of tendon

Pollicization of finger

Lengthening of tendon

Shortening of tendon

Plication of fascia

5-829 Other operations on muscle, tendon and fascia of hand

Freeing of adhesions

Excludes: decompression of carpal tunnel (5-043)

(Other available codes: stretching of fascia, muscle
or tendon 8-215 and 8-216)5-83 Operations on other muscles, tendons, fascia and bursae

Excludes: diaphragm (5-347)

eyelid (5-090 to 5-099)

muscles of eye (5-100 to 5-109)

muscles of hand (5-820 to 5-829)

5-830 Incision of muscle, tendon, fascia and bursa

Drainage

Exploration

Incision of tendon sheath

Removal of:

calcareous deposit in bursa

foreign body

rice bodies in tendon sheath

5-831 Division of muscle, tendon and fascia

Tenotomy

Transection

5-832 Excision of lesion of muscle, tendon, fascia and bursa

Removal of:

Baker's cyst

heterotopic bone

hydatid cyst

Removal of:

myositis ossificans

synovial cyst

5-833 Other excision of muscle, tendon and fascia

Excision of:

aponeurosis

sesamoid bone

Excision of:

tendon sheath

Excludes: excision of patella (5-785)

5-834 Excision of bursa

5-835 Suture of muscle, tendon and fascia

Myosuture

Rotator cuff repair

Repair of diastasis recti

Excludes: secondary suture of abdominal wall (5-545)

5-836 Reconstruction of muscle and tendon

Advancement

Recession

Reattachment

Transposition

5-837 Other plastic operations on muscle, tendon and fascia

Fixation (suture for)

Plication

Grafting

Shortening

Lengthening

5-839 Other operations on muscle, tendon, fascia and bursa

Freeing of adhesions

(Other available codes: aspiration of bursa 8-167
 injection into bursa or tendon 8-585
 stretching of fascia 8-216
 stretching of muscle or tendon 8-215)

5-84 Amputation and disarticulation of limbs

Includes: revision of current amputation for trauma

Excludes: revision of amputation stump (5-850)

5-840 Amputation and disarticulation of fingers

5-841 Amputation and disarticulation of thumb

5-842 Amputation of forearm and hand

Disarticulation at wrist

Metacarpal amputation

5-843 Disarticulation at elbow and amputation through humerus

5-844 Disarticulation at shoulder and interthoracoscapular amputation

5-845 Amputation and disarticulation of toes

5-846 Amputation and disarticulation of foot

Between tarsus and metatarsus

Midtarsal amputation or disarticulation

With heel flap

5-847 Amputation of lower leg or ankle

Below knee amputation

Site of election

Supramalleolar amputation

With patellar tendon weight bearing

5-848 Amputation of thigh and disarticulation at knee

Above-knee (supracondylar) amputation

Patellar tendon weight bearing

5-849 Abdominopelvic amputation and disarticulation at hip

Hemicorporectomy

Hemipelvectomy

Hindquarter amputation

5-85 Other operations on musculoskeletal system

5-850 Revision of amputation stump

Secondary closure

Trimming of stump

Excludes: further amputation for current injury (5-840 to 5-849)

5-851 Reattachment of fingers and thumb

5-852 Other reattachment of upper limb

5-853 Reattachment of toes and foot

Excludes: toe to thumb transfer (5-826)

5-854 Other reattachment of lower limb

5-855 Implantation of prosthetic limb appliance

Bioelectric prosthesis
Cineplastic prosthesis
Replacement of prosthesis

5-859 Other operations on musculoskeletal and multiple system

Amputation, unqualified
Separation of conjoined twins

(Other available codes: injection 8-584 to 8-589
manipulation 8-210 to 8-219)

OPERATIONS ON THE BREAST

5-86 Excision of the breast

5-860 Local excision of lesion of breast

Excision of lesion of duct Partial mastectomy
Excision of mammary lesion

Excludes: excision of nipple (5-872)

5-861 Complete mastectomy

Simple mastectomy
Total excision, limited to breast

5-862 Extended simple mastectomy

Modified radical mastectomy
With regional lymphadenectomy

5-863 Radical mastectomy

With excision of regional lymph nodes and pectoral muscles

5-864 Extended radical mastectomy

Excision of breast and regional lymph nodes and also:
clavicular and supraclavicular lymph nodes
intrathoracic lymph nodes
other extensions of growth beyond pectoral muscles

5-865 Subcutaneous mastectomy with implantation of prosthesis

Removal of breast tissue with preservation of nipple and skin

5-869 Other excision of breast

Excision for gynecomastia
Excision of supernumerary breast
Mastectomy, unqualified
Subcutaneous mastectomy (without implant)

5-87 Other operations on breast

5-870 Aspiration of breast

(Other available code: diagnostic aspiration 1-859)

5-871 Mastotomy

Drainage

Removal of foreign body

Exploration

5-872 Breast nipple operation

Excision of nipple

Transposition of nipple

Graft or plastic operation

5-873 Augmentation mammooplasty

Graft

Implant: prosthesis, silicone

5-874 Reduction mammooplasty

Excludes: mastectomy for gynecomastia (5-869)

5-875 Other repair and plastic operation on breast

Mastopexy

Suture

Skin graft

5-879 Other operations on breast

OPERATIONS ON SKIN AND SUBCUTANEOUS TISSUE

Excludes: skin of: anus (5-490 to 5-499)
 breast (5-860 to 5-869)
 ear (5-180 to 5-189)
 eyelid (5-090 to 5-099)
 female perineum (5-710 to 5-719)
 nose (5-210 to 5-219)
 penis (5-640 to 5-649)
 scrotum (5-610 to 5-619)
 vulva (5-710 to 5-719)

5-88 Incision and excision of skin and subcutaneous tissue

5-880 Tattooing or insertion into skin and subcutaneous tissue

Injection of filling material

Pigmentation of skin

5-881 Incision of pilonidal sinus

Drainage, sacrococcygeal cyst

Exploration of sinus

5-882 Other incision of skin and subcutaneous tissue

Drainage
Exploration

Removal of foreign body
Undercutting of hair follicle

Excludes: drainage of face or floor of mouth (5-270)

5-883 Surgical toilet of wound or infected tissue

Removal of slough

Excludes: site of open fracture (5-795)

5-884 Local excision or destruction of skin and subcutaneous tissue

Excision of fistula

Excision of lesion with Z-plasty

Excludes: adipectomy (5-901)
cauterization (5-913)
cryosurgery (5-949)
electrolysis (5-930 to 5-933)

(Other available codes: dermabrasion 8-182
laser beam - see chapter 3)

5-885 Radical excision of skin lesion

Excludes: excision of elephantiasis of scrotum (5-612)

5-887 Excision of pilonidal sinus

Exteriorization, marsupialization

5-888 Excision of skin for graft

5-89 Repair and reconstruction of skin and subcutaneous tissue

5-890 Suture of skin and subcutaneous tissue

Repair of open wound (without skin graft)
Resuture of wound
Skin plasty for repair of wound

5-891 Relaxation of scar or contracture of skin

5-892 Free skin graft to hand

Excision of: full thickness, partial thickness, or
split thickness graft

5-893 Other free skin grafts

Excludes: construction of artificial vagina (5-705)

5-894 Cutting and preparation of flap or pedicle graft

Advancement of flap or tube

5-895 Attachment to hand of flap or pedicle graft

Cross finger flap	Pocket flap
Double pedicled flap	

Excludes: pollicization (5-826 and 5-828)

5-896 Attachment to other sites of flap or pedicle graft

Transfer of pedicle

5-897 Revision of flap or pedicle graft

Defatting

5-898 Plastic operations on lip and external mouth

Cheilostomatoplasty	With flap, pedicle or free skin
Reconstruction for cleft lip	graft

Excludes: cleft palate operation (5-275)
cutting and preparation of flap or pedicle graft (5-894)

5-899 Other repair and reconstruction of skin and subcutaneous tissue

Correction of syndactyly

Excludes: genoplasty with bone graft (5-775)

5-90 Other operations on skin and subcutaneous tissue

5-900 Facial rhytidectomy

Face	Fascial sling for facial weakness
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5-901 Size reduction plastic operation

Adipectomy
Panniculectomy
Reduction of adipose tissue of:
 abdominal wall
 arms
 buttocks
 thigh

Excludes: breast (5-874)

5-902 Hair transplant

Graft of hair-bearing skin

5-903 Removal of superficial skin layers

Keratotomy

(Other available codes: removal of tattoo marks 8-184
dermabrasion 8-182
whirling brush 8-183)

5-904 Chemosurgery of skin

Caustic application with surgical removal
Chemical exfoliation

5-908 Other operations on skin and subcutaneous tissue

Excludes: electrolysis (5-933)

(Other available code: aspiration 8-150)

5-909 Other operations

Operation on calculus, cyst or tumor of ill defined location
Removal of foreign body, unqualified

DISRUPTION OF TISSUE

5-91 Cauterization

5-910 Corneal cauterization

5-911 Nasal cauterization

Excludes: for epistaxis control (5-210)

5-912 Perineal cauterization

Bartholin's gland
Condyloma acuminata

Perianal
Vulva

5-913 Skin cauterization

5-914 Electrocautery

5-92 Surgical diathermy

Excludes: for eye conditions

5-920 Nasal electrocoagulation

Excludes: for turbinectomy (5-215)

5-921 Cystoscopic electrocoagulation

5-922 Electrocoagulation of skin

Warts

Nevi

5-929 Other coagulation

Excludes: endoscopic electrocoagulation of tracheal lesion (5-314)

5-93 Other electrical destruction

Includes: electrolysis
ionization

iontophoresis

- 5-930 Electrolysis of eyelash
- 5-931 Nasal ionization
- 5-932 Fulguration of lesion
- 5-933 Ionization or electrolysis, unqualified

5-94 Cryosurgery

- 5-949 Cryosurgery, not elsewhere classified

Excludes: for eye conditions

5-95 Caustics and other chemicals

- 5-950 Topical application of caustic
 - 5-951 Endoscopic application of caustic
 - 5-952 Injection of caustic into tissue
- Excludes: prostatic injection of caustic (8-581)
- 5-953 Endoscopic injection of caustic
 - 5-954 Chemopeel
 - 5-955 Boiling water injection

5-96 Cytotoxic drug therapy

- 5-960 Subarachnoid injection of cytotoxic drug
- 5-961 Arterial injection into head of cytotoxic drug
- 5-962 Other arterial injection of cytotoxic drug
- 5-963 Pleural instillation of cytotoxic drug
- 5-964 Peritoneal instillation of cytotoxic drug
- 5-965 Bladder instillation of cytotoxic drug
- 5-966 Superficial application of cytotoxic drug
- 5-969 Other cytotoxic drug therapy

By injection

By mouth

5-97 Sclerosing injection

- 5-970 Intravenous sclerosing injection
- 5-971 Sclerosis of veins of leg

Production of thrombosis

Varicose vein injection

- 5-972 Compression sclerosis
- 5-973 Sclerosing injection of hemorrhoids
- 5-974 Sclerosing injection of peritoneum
- 5-975 Sclerosing of vulval veins
- 5-976 Sclerosing of hemangioma
- 5-979 Other sclerosing injection

Excludes: sclerosing injection of spleen (5-411)

OPTIONAL SURGERY

5-98 Optional surgery

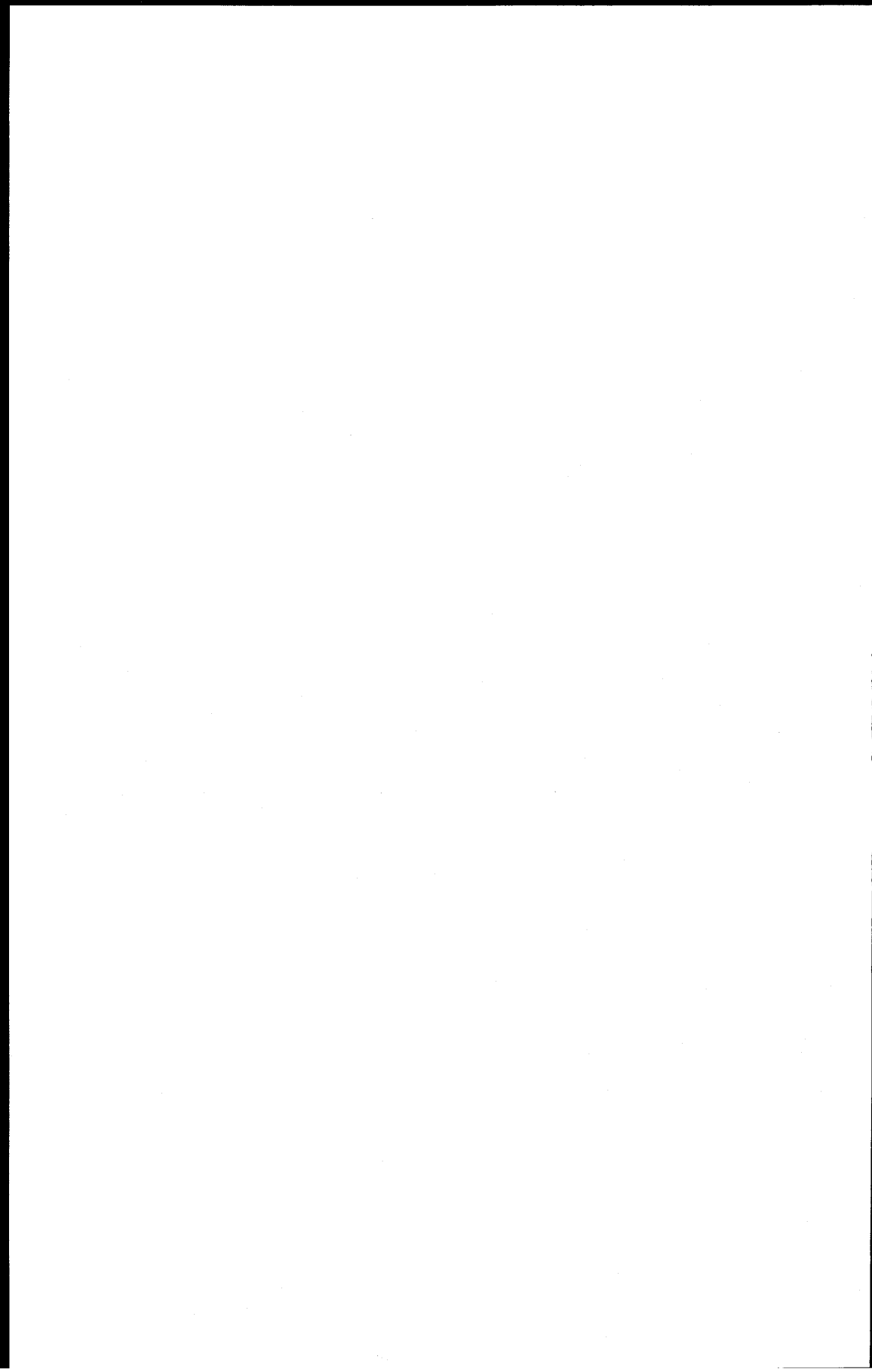
- 5-980 Surgical operations to produce female sterilization
- 5-981 Surgical operations to produce male sterilization
- 5-982 Other surgical operations for preventive purposes
- 5-988 Other optional surgical procedures

ILL-DEFINED OPERATIONS

5-99 Ill-defined operations

- 5-990 Endoscopic destruction of lesion, not otherwise specified
 - 5-991 Destruction of lesion, not otherwise specified
 - 5-994 Operation abandoned before onset
 - 5-995 Operation not completed (abandoned during progress of operation)
 - 5-999 Surgical procedure not otherwise specified
-

8. OTHER THERAPEUTIC PROCEDURES



8. OTHER THERAPEUTIC PROCEDURES

REMOVAL OF UNWANTED MATERIAL

8-10 Removal of object

Includes: removal of foreign body, calculus and parasite by endoscopy

8-100 Removal of object from orifice or by endoscopy

8-101 Removal of object from conjunctiva or cornea

Excludes: foreign body penetrating cornea

8-102 Removal of object from eyelid or orbit

8-103 Removal of object by auroscopy and from meatus

8-104 Removal of object by rhinoscopy

8-105 Removal of body by laryngoscopy

8-106 Removal of object by tracheoscopy

8-107 Removal of object by bronchoscopy

8-108 Removal of object by thoracoscopy

8-109 Other removal from respiratory tract

Removal of tracheostomy tube

8-11 Other removal of object

8-110 Removal of object from mouth and nasopharynx

From tonsil, adenoid or salivary duct

8-111 Removal of object by pharyngoscopy and esophagoscopy

8-112 Removal of object by gastroscopy

8-113 Removal of object by endoscopy of lower bowel

8-114 Removal of object by cystoscopy

8-115 Removal of object from vagina

8-116 Removal of object from specified dermal site

8-117 Removal of parasite from tissue

Extraction of *Dracunculus medinensis* or helminth larva

8-118 Removal of object from anus

8-119 Other removal of foreign body

Excludes: foreign body penetrating tissue- see site in Chapter 5
uterine foreign body (5-691)

8-12 Evacuation of contents of alimentary tract

8-120 Gastric intubation

8-121 Gastric decompression

8-122 Gastric drainage

Use of stomach pump

Excludes: test meal

8-123 Gastric irrigation

Lavage

8-124 Intestinal intubation

8-125 Intestinal decompression

8-126 Intestinal drainage

8-127 Removal of impacted fecal contents

Removal of impacted feces

Removal of meconium

Simple enema

8-13 Evacuation of contents of urinary bladder

8-130 Catheterization of bladder

Urethral catheterization

8-131 Drainage of bladder

8-132 Irrigation of bladder

8-133 Manipulation with urethral catheter

Removal of blood clot or calculus by suction

8-134 Insertion of indwelling catheter

8-135 Replacement of urethral catheter

Replacement of indwelling catheter

Excludes: aspiration of bladder by puncture (8-161)

8-136 Replacement of cystostomy tube

8-14 Other irrigation, catheterization or cannulation

- 8-140 Catheterization, unqualified
- 8-141 Lacrimal duct catheterization
- 8-142 Catheterization of nasal sinus
- 8-143 Catheterization of bronchus
- 8-144 Peritoneal cannulation
- 8-145 Intrauterine catheterization
- 8-149 Percutaneous catheterization, unqualified

8-15 Therapeutic aspiration, puncture and evacuation

Includes: removal of fluid without incision

- 8-150 Aspiration of hygroma, cyst or abscess

Excludes: aspiration from sites specified in the index

- 8-151 Aspiration from brain ventricular shunt or spine

Aspiration of spinal cyst

Irrigation of ventricular shunt

Excludes: aspiration or drainage of brain (5-010)

- 8-152 Aspiration of eye

Anterior chamber

- 8-153 Aspiration of pericardial sac

- 8-154 Aspiration of bone marrow

- 8-155 Aspiration of pleural cavity

- 8-156 Aspiration of lung

- 8-157 Aspiration of peritoneal cavity

Lavage

Tapping of ascites

- 8-158 Aspiration of liver

- 8-159 Other alimentary aspiration

Aspiration of digestive organ

8-16 Other therapeutic aspiration, puncture and evacuation

8-160 Aspiration of kidney

Aspiration of:
renal cyst
renal pelvis

8-161 Aspiration of bladder

Excludes: aspiration of blood clot or calculus (8-133)

8-162 Aspiration of prostate

Aspiration of prostatic abscess

8-163 Aspiration of male genital organs

Spermatocele	Hydrocele
Tunica vaginalis	

8-164 Aspiration of ovary

8-165 Aspiration of uterus

Menstrual extraction

Excludes: vacuum aspiration to terminate pregnancy (5-751)

8-166 Aspiration of joint

8-167 Aspiration of other musculoskeletal structures

Aspiration of bursa

8-169 Other aspiration of fluid

Excludes: breast (5-870)

8-17 Evacuation by syringing or irrigation, insufflation

8-170 Syringing of lacrimal sac or duct

8-171 Syringing of aural canal

Removal of cerumen

8-172 Syringing of middle ear

Suction clearance of middle ear

8-173 Insufflation of Eustachian tube

8-174 Irrigation of nasal sinus

Antral lavage

8-175 Lavage of bronchus or trachea

8-179 Other syringing or irrigation

Continuous suction drainage

Excludes: irrigation of bowel (8-127)

8-18 Removal of dermal appendages

8-180 Epilation, unqualified

8-181 Epilation of eyelash

8-182 Dermabrasion

8-183 Whirling brush on skin

8-184 Removal of tattoo marks

8-185 Other removal of skin blemishes

8-186 Removal of nail

Avulsion of nail

8-187 Ligation of dermal protuberance

Supernumerary digit

Wart

8-19 Wound cleaning and dressing

8-190 Wound cleaning, unqualified

8-191 Toilet of wound, unqualified

Removal of: contaminated and necrotic tissue } without incision
debris, foreign matter }

8-192 Dressing of wound

8-193 Dressing of ulcer

Elastic bandaging

8-194 Dressing of burn

CORRECTION OF MISPLACEMENT

8-20 Correction of fracture or dislocation

8-200 Closed reduction of fracture of nasal bone

8-201 Correction of displacement of nasal bone or septum

8-202 Closed reduction of fracture of upper arm

Elbow

Shoulder

Humerus

8-203 Closed reduction of fracture of forearm and hand

Finger or thumb
Metacarpus

Radius and ulna
Wrist

8-204 Closed reduction of fracture of upper leg

Femur
Hip

Knee

8-205 Closed reduction of fracture of lower leg and foot

Ankle
Metatarsus

Tibia and fibula
Toe or hallux

8-208 Closed reduction of other fracture

8-209 Closed reduction of dislocation of joint

8-21 Forcible correction of adhesions or deformity

8-210 Infraction of turbinate or nasal bone

8-211 Manipulation of temporomandibular joint

8-212 Forced extension of limb

Hyperextension of joint

8-213 Refracture of bone

Osteoclasia

8-214 Rupture of joint adhesions

8-215 Stretching of muscle or tendon

8-216 Stretching of fascia

8-217 Manipulation under anesthesia

8-219 Other forcible correction of deformity

8-22 Gradual correction of abnormality

8-220 Endoscopic dilation, unqualified

8-221 Dilation of frontonasal duct

8-222 Dilation of lacrimonasal duct

8-223 Dilation of salivary duct

8-224 Dilation of pharynx

8-225 Dilation of bowel or artificial anus

Anal sphincter
Colostomy opening
Hemorrhoids

Ileostomy opening
Pecten band

8-226 Distension of urinary bladder

8-227 Stretching of foreskin

8-228 Dilation of introitus and vagina

8-229 Other dilation

Excludes: dilation of: cervix uteri (5-670), esophagus (5-428)
ureter (5-598), urethra (5-585)

8-23 Correction by appliance

8-230 Wedging of plaster

8-231 Orthopedic compensation for deformity

8-24 Replacement of displaced organ

8-240 Reimplantation of tooth

8-241 Manual reduction of hernia

8-242 Reduction of prolapsed rectum

8-243 Reduction of hemorrhoids

8-249 Other replacement of displaced organ

8-25 Manipulation of fetus or pregnant uterus

8-250 Antenatal manipulation, unqualified

8-251 External version

Bipolar version Correction of breech presentation

8-252 Correction of retroverted gravid uterus

8-253 Reposition of fetus

Conversion of face-to-pubis presentation
Manual flexion of head or rotation of head

8-254 Reposition of cord

8-255 Manually assisted vaginal delivery

8-256 Manual replacement of inverted puerperal uterus

8-259 Other obstetric manipulation

8-29 Other manipulations

8-290 Chiropraxy

8-291 Osteopathy

8-292 Osteopathic manipulation

8-299 Manipulation, unqualified

IMMOBILIZATION AND SUPPORT

8-30 Bandaging and sling support

8-300 Bandaging

8-301 Application of sling

8-302 Pelvic sling

8-303 Immobilization by bandaging or sling

8-309 Other specified support of limb

8-31 Immobilization by cast

Includes: plaster of Paris

8-310 Application of cast

8-311 Application of plaster jacket

8-312 Application of moulded neck support

Minerva cast

8-313 Replacement of cast or jacket

8-319 Cast or plaster immobilization

8-32 Immobilization by splinting

8-320 Splinting of hand

8-321 Splinting of finger

8-322 Splinting of dislocated hip

8-323 Splinting for knee

Tray splint

8-324 Splinting for fracture

8-329 Other splinting for immobilization

8-33 Other rigid support

8-330 External fixation of fractured bone

8-331 Other external fixation of bone

8-332 Other immobilization of bone

8-333 Immobilization of wound

8-334 Wiring of teeth

8-335 Other splinting of teeth

8-34 Compression

8-340 Compression union of fracture

8-341 Ringing of hemorrhoids

8-35 Other restraint by appliance

8-350 Orthodontic arch bands

8-351 Pneumatic splinting

8-359 Other restraint by appliance

8-36 Internal support

8-360 Urethral splinting

8-361 Uterovaginal pessary

8-362 Nailing of bone

Arthrodesis
Fracture of femur

Separated epiphysis

8-369 Internal prosthesis

8-37 Bodily support

8-370 Bodily support

8-371 Spinal frame

8-372 Corset support

Trunk corset

8-373 Special bed

Cardiac bed

8-374 Water bed

8-375 High air loss bed

8-38 Removal of fixation and support

8-380 Removal of cast, mold or support

8-381 Removal of splint

8-382 Removal of support or brace

8-389 Removal of other fixation

SKELETAL AND OTHER TRACTION

8-40 Traction by bone fixation

8-400 Infix bone pin

8-401 Kirschner wire

Böhler stirrup

Through tibial condyle

8-402 Balanced skeletal traction

90-90 traction

8-403 Intermittent skeletal traction

8-41 Spinal traction

8-410 Spinal extension

8-411 Halo traction of skull

Caliper tongs

8-412 Other cervical traction

8-413 Lumbar traction

8-42 Skin and soft tissue traction of limbs

8-420 Skin traction

Adhesive tape traction

8-421 Boot traction

8-422 Thomas' splint traction

8-423 Gallows traction

8-424 Plaster cast traction

8-43 Balanced suspension

8-430 Balanced suspension

Buck's suspension

8-45 Soft tissue traction on neck

8-450 Cervical collar for head traction

8-46 Removal of traction device or support

8-460 Removal of infixed bone pin

8-47 Other traction

8-470 Extension, unqualified

- 8-471 Bone traction
- 8-472 Traction for closed fracture
- 8-473 Traction for fracture of jaw
- 8-474 Traction for dislocation
- 8-475 Hinged traction
- 8-476 Abduction traction
- 8-477 Intermittent traction
- 8-479 Traction, other and unqualified

8-48 Orthopedic procedures

- 8-480 Application of orthopedic appliance
- 8-481 Removal of orthopedic appliance
- 8-489 Orthopedic procedure

OTHER MECHANICAL PROCEDURES

8-50 Control of hemorrhage by packing

Excludes: packing for puerperal uterine hemorrhage (5-759)
postoperative dental hemorrhage (8-894)

- 8-500 Control of hemorrhage by packing

- 8-501 Control of nasal hemorrhage

Excludes: postoperative hemorrhage (8-894)
surgical control (5-210 and 5-387)

- 8-502 Control of rectal hemorrhage

- 8-503 Control of non-obstetric uterine hemorrhage

- 8-504 Control of vaginal hemorrhage

8-51 Expression of placenta

- 8-510 Credé expression

Excludes: manual removal of placenta (5-756)

8-52 Cardiac massage

- 8-520 Closed cardiac massage

8-53 Other external manipulation or compression

- 8-530 External manipulation

8-531 Other immobilization of fractured bone

Antral pack

8-532 Manipulation of salivary calculus

8-533 Endoscopic manipulation

8-534 Abdominal manipulation

8-535 Prostatic massage

8-536 Skeletal massage

Pneumatic compression

8-539 Massage, unqualified

8-54 Vibration and acupuncture

8-540 Acupuncture

8-541 Acupuncture for anesthesia

Whirling acupuncture

8-542 Rhythmic percussion

To neuroma of amputation stump

8-543 Vibration of cervix

8-544 Venous flow stimulator

Electronic gaiter

Intermittent compression of calf

8-55 Hydrotherapy and aerotherapy

8-550 Hydrotherapy

8-551 Assisted exercise in pool

8-552 Free exercises in pool

8-553 Whirlpool therapy

8-554 Therapeutic insufflation

Excludes: Eustachian insufflation (8-173)
fallopian insufflation (5-667)

8-56 Internal or external prosthesis

8-560 Palatal obturator

8-561 Dental obturator

8-562 Fitting of prosthesis

- 8-563 Application of prosthesis
- 8-564 Fitting of artificial limb
- 8-565 Application of limb prosthesis
- 8-566 Repair, revision or readjustment of prosthesis

8-57 Injection for local action

- 8-570 Injection into spinal canal

Spinal anesthesia

Excludes: injection of destructive agent (5-037)

- 8-571 Injection into nerve
- 8-572 Other injection into eye or orbit

Subconjunctival injection

Excludes: opticociliary injection (5-133)

- 8-573 Injection into tympanum
- 8-574 Injection into trachea
- 8-575 Injection into pericardial sac
- 8-576 Injection into heart
- 8-577 Injection into lymphatics

Lymphatics of breast

Excludes: diagnostic injection into lymphatics (1-801)

- 8-578 Injection into bone marrow

8-58 Further injection for local action

- 8-580 Injection into kidney
- 8-581 Injection into prostate
- 8-582 Injection into hydrocele
- 8-583 Injection into breast
- 8-584 Injection into joint or ligament
- 8-585 Injection into muscle, tendon or bursa

Injection of trigger point

- 8-586 Injection into skin and subcutaneous tissue

8-587 Injection into other specified tissue

Excludes: vessels (8-849), spleen (5-411)

8-589 Injection, for local action, unqualified

OTHER THERAPY BY PHYSICAL AGENTS

8-60 Heating

8-600 Local heating

Infra-red irradiation

8-601 General warming of body

Whole body hyperthermia

8-602 Hot packs

8-603 Baths

Contrast bath

Paraffin bath

8-604 Medical diathermy

Short wave therapy

8-605 Radiant heat

Infra-red physiotherapy

8-606 Moxibustion

Acupuncture with smouldering moxa

8-61 Cooling

8-610 Hypothermia, unqualified

8-611 General cooling

Whole body hypothermia

8-612 Local cooling

Excludes: cryosurgery (5-949)

8-613 Gastric cooling

8-614 Hypothermia with hypotension

8-62 Radiation and phototherapy

8-620 Phototherapy

8-621 Ultraviolet light therapy

General bodily effect

Sun tan

8-622 Photocoagulation therapy of retina

Arc light coagulation of retina

8-623 Destruction of lesion by ultraviolet light

8-624 Other light coagulation

Excludes: laser beam coagulation - see Chapter 3

8-63 Electrical stimulation of nervous system

8-630 Electroconvulsive therapy

Electronarcosis

E.C.T.

8-631 Faradism

8-64 Electrical conversion of cardiac rhythm

8-640 External electrode stimulation

External cardioversion

8-641 Internal electrode stimulation

Intravenous electrode

Transvenous electrode

8-642 Conversion to sinus rhythm

8-643 Operative cardiac stimulation

8-644 Carotid sinus stimulation

8-649 Other conversion of cardiac rhythm

8-65 Cardiac pacing

8-650 Cardiac pacing, unqualified

8-651 Emergency pacemaker

Transvenous catheter electrode

8-652 Permanent pacemaker

8-653 Asynchronous pacemaker

Fixed-rate ventricular stimulator

8-654 Triggered pacemaker

Atrial synchronous pacing

Non-competitive pacing

Demand pacing

8-655 Atrial overdrive pacing

8-656 Controlled atrial fibrillation

8-657 Other atrial stimulation

8-658 Evaluation of pacemaker function

Excludes: insertion (8-880) } of intravenous
removal or replacement (8-882) electrode
replacement of implanted battery
or pulse generator (8-881)

8-66 Other electrical stimulation

8-660 Cardiac arrest during cardiovascular bypass

8-661 Spinal neuropacemaker

8-662 Urinary bladder stimulator

8-663 Skeletal muscle stimulator

Soleus stimulator

8-668 Other specified stimulation

8-669 Electrical stimulation, unqualified

8-69 Other and unspecified physical agents

8-690 Other physical agent

8-699 Physical agent, not otherwise specified

RESPIRATORY PROCEDURES

8-70 Endotracheal intubation

8-700 Insertion of endotracheal tube

8-701 Emergency laryngeal intubation

Transglottal intubation

Excludes: transcrioid intubation (5-311)

8-702 Endotracheal anesthesia

8-709 Tracheal intubation, unqualified

8-71 Mechanical assistance to respiration

8-710 Mechanical ventilation

8-711 Endotracheal respiratory assistance

8-712 Intermittent positive pressure respiration

8-72 Other methods of resuscitation

- 8-720 Manual resuscitation
- 8-721 Mouth-to-mouth resuscitation

Kiss of life

- 8-722 Artificial respiration
- 8-723 Other respiratory assistance

External counter pulsation (ECP)

- 8-724 Operative resuscitation
- 8-729 Resuscitation, unqualified

8-73 Production of collapse of lung

- 8-730 Collapse therapy, nonsurgical

Excludes: surgical collapse (5-332)

- 8-731 Therapeutic pneumothorax
- 8-732 Controlled atelectasis
- 8-733 Pneumoperitoneum
- 8-739 Collapse therapy

8-74 Prevention of collapse of lung

- 8-740 Pleural drainage
- Underwater seal
- 8-741 Plugging of flail chest
 - 8-742 Relief of tension pneumothorax
 - 8-749 Prevention of collapse of lung

8-75 Respiratory medication

- 8-750 Mist therapy
- 8-751 Inhalation therapy
- 8-752 Laryngeal intubation inhalation

8-76 Oxygen enrichment

- 8-760 Oxygen therapy
- 8-761 Catalytic oxygen therapy

- 8-762 Hyperbaric oxygen
- High pressure oxygen
- 8-763 Cytoreductive effect
- 8-764 Oxygenators
- 8-77 Control of atmospheric pressure and composition
 - 8-770 Mountain resort sanatorium
 - 8-771 Antigen-free air conditioning
 - Pollen free room
 - 8-772 Decompression chamber
 - 8-773 Helium therapy
- 8-78 Other respiratory procedures
 - 8-780 Drug prevention of further asthma attacks
 - 8-782 Physiotherapy for prevention of pulmonary complications of disease or trauma
 - 8-789 Other respiratory procedures

PROCEDURES AFFECTING CIRCULATORY SYSTEM

- 8-80 Transfusion of blood cells
 - 8-800 Intravenous transfusion
 - 8-801 Whole blood transfusion
 - 8-802 Cut-down transfusion
 - 8-803 Replacement transfusion
 - Exsanguination exchange transfusion
 - 8-804 Injection of bone marrow
 - 8-805 Transfusion of packed blood cells
 - 8-806 Platelet transfusion
 - 8-809 Transfusion, unqualified
- 8-81 Transfusion of plasma and plasma substitutes
 - 8-810 Plasma transfusion
 - 8-811 Serum transfusion

8-812 Transfusion of blood expander

Dextran injection

8-813 Dried plasma injection

8-814 Transfusion of antihemophilic factor

8-815 Maintenance of circulation

8-82 Withdrawal of blood and body fluid

8-820 Venesection

8-821 Blood donation

8-822 Forced diuresis

8-83 Catheterization or cannulation of vessel

8-830 Arterial catheterization or cannulation

8-831 Femoral artery cannulization

8-832 Insertion of arteriovenous cannula

8-833 Catheterization of umbilical vessel

Excludes: diagnostic (1-860)

8-834 Venous catheterization or cannulation

8-835 Cut-down venous catheterization or cannulation

8-839 Other catheterization or cannulation of vessel

8-84 Injection or puncture of vessel

8-840 Intra-arterial injection, unqualified

8-841 Arterial injection for general action

8-842 Arterial injection for local action

8-843 Injection into renal artery

8-844 Arterial puncture

8-845 Cut-down intravenous injection

8-846 Venipuncture

Intravenous injection

8-849 Other injection or puncture of vessel

8-85 Extracorporeal circulation and treatment of blood

8-850 Artificial circulation

8-851 Operative external circulation

8-852 Arteriovenous cannulation for blood treatment

8-853 Hemodialysis

Renal dialysis

8-854 Extracorporeal kidney

8-855 Hemodialysis of vena cava

8-856 Extracorporeal irradiation of blood

8-857 Ultrafiltration of blood

8-858 Hemoperfusion of liver and portal system

8-859 Other extracorporeal circulation

Excludes: oxygenators (8-76)

8-86 Indirect blood exchange

8-860 Peritoneal dialysis

8-861 Intestinal dialysis

Intestinal loop lavage

8-87 Other additions to blood stream

8-870 Arterial perfusion

8-871 Perfusion of head and neck

8-872 Renal perfusion

8-873 Regional perfusion

8-874 Intravenous perfusion

8-875 Cut-down infusion

8-876 Regulation of fluid and electrolyte balance

8-88 Other procedures on circulatory system

8-880 Insertion of intravenous endocardial electrode

8-881 Replacement of subcutaneous pulse generator or battery

8-882 Replacement or removal of intravenous endocardial electrode

8-884 Administration of anticoagulants

(Other available codes: dressing of wound 8-192
ligation of vessel 5-387
packing 8-500 to 8-509)

MONITORING OF PATIENT

8-90 Metabolic monitoring

- 8-900 Monitoring metabolic crisis
- 8-901 Diabetic monitoring in crisis
- 8-902 Diabetic stabilization
- 8-903 Monitoring, dehydration
- 8-904 Monitoring, hemolysis
- 8-905 Monitoring, starvation
- 8-909 Other metabolic monitoring

8-91 Psychiatric monitoring

- 8-910 Psychiatric observation
- 8-919 Other psychiatric monitoring

8-92 Neurological monitoring

- 8-920 Nursing supervision of head injury patient
Hourly chart, 2-hourly arousal
- 8-921 Screening tests for fibrinogen degradation products (FDP)
- 8-922 Intracranial pressure monitoring
Epidural transducer
Subdural pressure transducer
- 8-929 Other neurological monitoring

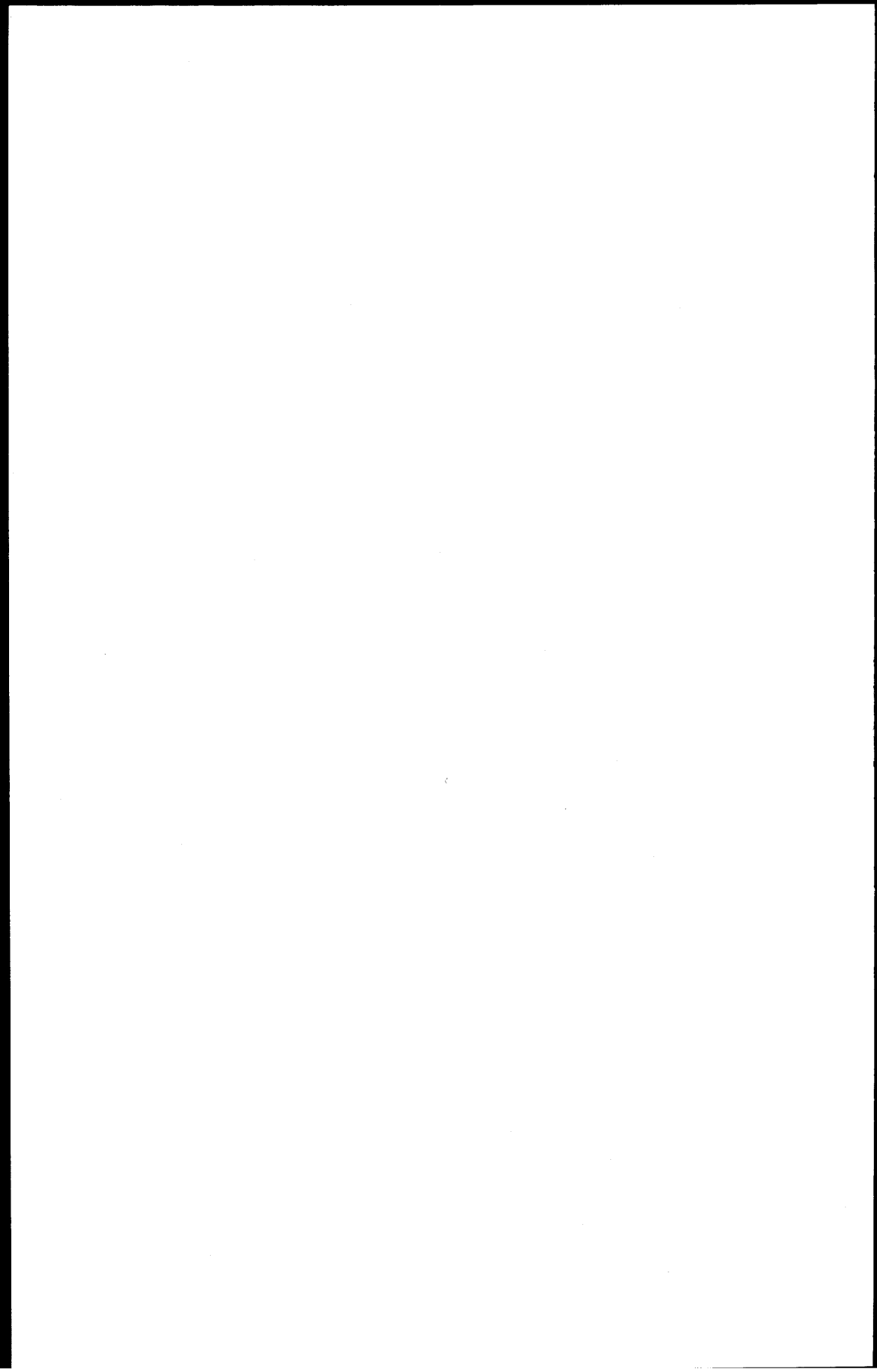
8-93 Monitoring of respiratory disease

- 8-930 Monitoring of respiration
- 8-931 Intrapleural pressure monitoring

8-94 Monitoring of heart and circulation

- 8-940 Monitoring of patient in cardiac emergency

- 8-941 Continuous electrocardiographic monitoring
 - Esophageal electrode
 - 8-942 Monitoring central venous pressure
 - 8-943 Monitoring cardiac output
 - Retractable flow probe
 - 8-944 Plethysmographic monitoring
 - Impedance plethysmography
 - Photoelectric oximeter
 - 8-945 Continuous blood sampling
 - For anterior pituitary hormones
 - 8-949 Other monitoring of heart and circulation
 - 8-95 Monitoring of renal function
 - 8-950 Monitoring of renal function
 - 8-96 Obstetric monitoring
 - 8-960 Trial labor
 - 8-961 Monitoring of fetal heart during labor
 - 8-969 Other obstetric monitoring
 - 8-98 Other intensive care monitoring
 - 8-980 Intensive care monitoring
 - 8-981 Electronic monitoring
 - 8-99 Monitoring, not otherwise specified
 - 8-990 Clinical monitoring
-



9. ANCILLARY PROCEDURES

9. ANCILLARY PROCEDURES
OTHER THERAPY

9-10 Emergency treatment

9-100 Emergency dressing

9-11 Therapeutic prescription

9-110 Drug prescription

(See detailed list in Chapters 6, 7)

9-111 Replacement therapy

9-12 Drug therapy

9-120 Drug administration

9-121 Intramuscular injection of drug

Excludes: local action on muscle (8-585)

9-122 Hypodermic injection of drug

9-123 Automated drug administration

Micro-injector

9-124 Automated control of drug administration

Artificial pancreas

9-129 Chemotherapy, unqualified

9-13 Continuation of previous treatment

9-130 Repeated prescription

Rep. Mist.

9-131 Repeat of previous treatment

9-14 Dietary regime

9-140 Nothing by mouth

9-141 Fluid diet

9-142 Mild diet

9-143 Biliary stone dissolving diet

9-144 Gluten-free diet

9-145 Phenylalanine-free diet

9-149 Dietary therapy

9-15 Admission to intensive care units

- 9-150 Cardiac intensive care
- 9-151 Respiratory intensive care
- 9-152 Neurological intensive care

Care of head injuries

Cerebrovascular attack care

- 9-153 Metabolic unit

- 9-154 Burns unit

- 9-159 Intensive care unit, unqualified

(Other available codes: monitoring 8-10 to 8-99)

9-16 Other hospital admission

- 9-160 Emergency admission
- 9-161 Detoxification centre for alcoholics
- 9-169 In-patient admission

9-17 Other admission

- 9-170 Night hospital care
- 9-172 Day hospital care
- 9-173 Psychiatric day care
- 9-175 Extended care
- 9-176 Domiciliary care
- 9-178 Newborn

Healthy, born in the hospital

9-18 Provision of further care

- 9-180 Administrative action
- 9-181 Antenatal registration

Booking for delivery

- 9-182 Booking of appointment

For clinic attendance

- 9-183 Waiting list

- 9-188 Referred to another institution

9-19 Other and ill-defined therapy

9-190 Nonoperative procedures

9-191 Terminal care

9-192 Shock therapy

Chemical

Insulin

Excludes: electrical shock (8-630, 8-669)

9-199 Therapy, unqualified

OTHER CARE

9-20 Nursing and care of patient

9-200 Intensive nursing care

9-201 Nursing supervision

9-202 Intermediate nursing care

9-203 Incontinence care

9-204 Nursing care: dressing, irrigation

9-205 Nursing care: injections

9-206 Routine nursing care: aid to self-care patient

Enema administration

9-207 Nursing care: bathing patient

9-209 Nursing care, unqualified

9-21 Promotion of healing

9-210 Controlled environment

Positive pressure

Amputation stump

9-211 Oxygenation of slough

9-22 Immunological therapy

9-220 Immunosuppression

For transplant

9-221 Autogenous vaccine

9-222 Rabies vaccination

Excludes: prophylactic rabies immunization (4-342)

9-23 Alimentary aid

- 9-230 Parenteral alimentation
- 9-231 Hyperalimentation
- 9-232 Prolonged intravenous feeding
- 9-233 Nasal tube feeding

9-24 Aids for severely handicapped persons

- 9-240 Provision of artificial arm
- 9-241 Electrically operated typewriter
- 9-249 Aids for severely handicapped, unqualified

9-25 Induction of labor

- 9-250 Medical induction of labor
- 9-251 Induction by intravenous injection or drip
- 9-252 Induction by intrauterine injection
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9-420 Masticatory exercises

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9-44 Locomotor training

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