

## Appendix A Morphology of Neoplasms

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The World Health Organization has published an adaptation of the International Classification of Diseases for Oncology (ICD-O). It contains a coded nomenclature for the morphology of neoplasms, which is reproduced here for those who wish to use it in conjunction with Chapter 2 of the International Classification of Diseases, 9th Revision, Clinical Modification.

The morphology code numbers consist of five digits; the first four identify the histological type of the neoplasm and the fifth indicates its behavior. The one-digit behavior code is as follows:

/0	Benign
/1	Uncertain whether benign or malignant Borderline malignancy
/2	Carcinoma in situ Intraepithelial Noninfiltrating Noninvasive
/3	Malignant, primary site
/6	Malignant, metastatic site Secondary site
/9	Malignant, uncertain whether primary or metastatic site

In the nomenclature below, the morphology code numbers include the behavior code appropriate to the histological type of neoplasm, but this behavior code should be changed if other reported information makes this necessary. For example, "chordoma (M9370/3)" is assumed to be malignant; the term "benign chordoma" should be coded M9370/0. Similarly, "superficial spreading adenocarcinoma (M8143/3)" described as "noninvasive" should be coded M8143/2 and "melanoma (M8720/3)" described as "secondary" should be coded M8720/6.

The following table shows the correspondence between the morphology code and the different sections of Chapter 2:

Morphology Code Histology/Behavior	ICD-9-CM Chapter 2		
Any	0	210-229	Benign neoplasms
M8000-M8004	1	239	Neoplasms of unspecified nature
M8010+	1	235-238	Neoplasms of uncertain behavior
Any	2	230-234	Carcinoma in situ
Any	3	140-195 200-208	Malignant neoplasms, stated or presumed to be primary
Any	6	196-198	Malignant neoplasms, stated or presumed to be secondary

The ICD-O behavior digit /9 is inapplicable in an ICD context, since all malignant neoplasms are presumed to be primary (/3) or secondary (/6) according to other information on the medical record.

Only the first-listed term of the full ICD-O morphology nomenclature appears against each code number

in the list below. The ICD-9-CM Alphabetical Index (Volume 2), however, includes all the ICD-O synonyms as well as a number of other morphological names still likely to be encountered on medical records but omitted from ICD-O as outdated or otherwise undesirable.

A coding difficulty sometimes arises where a morphological diagnosis contains two qualifying adjectives that have different code numbers. An example is "transitional cell epidermoid carcinomas." "Transitional cell carcinoma NOS" is M8120/3 and "epidermoid carcinoma NOS" is M8070/3. In such circumstances, the higher number (M8120/3 in this example) should be used, as it is usually more specific.

## CODED NOMENCLATURE FOR MORPHOLOGY OF NEOPLASMS

<b>M800</b>	<b>Neoplasms NOS</b>
M8000/0	Neoplasm, benign
M8000/1	Neoplasm, uncertain whether benign or malignant
M8000/3	Neoplasm, malignant
M8000/6	Neoplasm, metastatic
M8000/9	Neoplasm, malignant, uncertain whether primary or metastatic
M8001/0	Tumor cells, benign
M8001/1	Tumor cells, uncertain whether benign or malignant
M8001/3	Tumor cells, malignant
M8002/3	Malignant tumor, small cell type
M8003/3	Malignant tumor, giant cell type
M8004/3	Malignant tumor, fusiform cell type

<b>M801-M804</b>	<b>Epithelial neoplasms NOS</b>
M8010/0	Epithelial tumor, benign
M8010/2	Carcinoma in situ NOS
M8010/3	Carcinoma NOS
M8010/6	Carcinoma, metastatic NOS
M8010/9	Carcinomatosis
M8011/0	Epithelioma, benign
M8011/3	Epithelioma, malignant
M8012/3	Large cell carcinoma NOS
M8020/3	Carcinoma, undifferentiated type NOS
M8021/3	Carcinoma, anaplastic type NOS
M8022/3	Pleomorphic carcinoma
M8030/3	Giant cell and spindle cell carcinoma
M8031/3	Giant cell carcinoma
M8032/3	Spindle cell carcinoma
M8033/3	Pseudosarcomatous carcinoma
M8034/3	Polygonal cell carcinoma
M8035/3	Spheroidal cell carcinoma
M8040/1	Tumorlet
M8041/3	Small cell carcinoma NOS
M8042/3	Oat cell carcinoma
M8043/3	Small cell carcinoma, fusiform cell type

<b>M805-M808</b>	<b>Papillary and squamous cell neoplasms</b>
M8050/0	Papilloma NOS (except Papilloma of urinary bladder M8120/1)
M8050/2	Papillary carcinoma in situ
M8050/3	Papillary carcinoma NOS
M8051/0	Verrucous papilloma
M8051/3	Verrucous carcinoma NOS

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M8052/0	Squamous cell papilloma
M8052/3	Papillary squamous cell carcinoma
M8053/0	Inverted papilloma
M8060/0	Papillomatosis NOS
M8070/2	Squamous cell carcinoma in situ NOS
M8070/3	Squamous cell carcinoma NOS
M8070/6	Squamous cell carcinoma, metastatic NOS
M8071/3	Squamous cell carcinoma, keratinizing type NOS
M8072/3	Squamous cell carcinoma, large cell, nonkeratinizing type
M8073/3	Squamous cell carcinoma, small cell, nonkeratinizing type
M8074/3	Squamous cell carcinoma, spindle cell type
M8075/3	Adenoid squamous cell carcinoma
M8076/2	Squamous cell carcinoma in situ with questionable stromal invasion
M8076/3	Squamous cell carcinoma, microinvasive
M8080/2	Queyrat's erythroplasia
M8081/2	Bowen's disease
M8082/3	Lymphoepithelial carcinoma

### **M809-M811 Basal cell neoplasms**

M8090/1	Basal cell tumor
M8090/3	Basal cell carcinoma NOS
M8091/3	Multicentric basal cell carcinoma
M8092/3	Basal cell carcinoma, morphea type
M8093/3	Basal cell carcinoma, fibroepithelial type
M8094/3	Basosquamous carcinoma
M8095/3	Metatypical carcinoma
M8096/0	Intraepidermal epithelioma of Jadassohn
M8100/0	Trichoepithelioma
M8101/0	Trichofolliculoma
M8102/0	Tricholemmoma
M8110/0	Pilomatrixoma

### **M812-M813 Transitional cell papillomas and carcinomas**

M8120/0	Transitional cell papilloma NOS
M8120/1	Urothelial papilloma
M8120/2	Transitional cell carcinoma in situ
M8120/3	Transitional cell carcinoma NOS
M8121/0	Schneiderian papilloma
M8121/1	Transitional cell papilloma, inverted type
M8121/3	Schneiderian carcinoma
M8122/3	Transitional cell carcinoma, spindle cell type
M8123/3	Basaloid carcinoma
M8124/3	Cloacogenic carcinoma
M8130/3	Papillary transitional cell carcinoma

### **M814-M838 Adenomas and adenocarcinomas**

M8140/0	Adenoma NOS
M8140/1	Bronchial adenoma NOS
M8140/2	Adenocarcinoma in situ
M8140/3	Adenocarcinoma NOS
M8140/6	Adenocarcinoma, metastatic NOS
M8141/3	Scirrhou adenocarcinoma
M8142/3	Linitis plastica
M8143/3	Superficial spreading adenocarcinoma
M8144/3	Adenocarcinoma, intestinal type

M8145/3	Carcinoma, diffuse type
M8146/0	Monomorphic adenoma
M8147/0	Basal cell adenoma
M8150/0	Islet cell adenoma
M8150/3	Islet cell carcinoma
M8151/0	Insulinoma NOS
M8151/3	Insulinoma, malignant
M8152/0	Glucagonoma NOS
M8152/3	Glucagonoma, malignant
M8153/1	Gastrinoma NOS
M8153/3	Gastrinoma, malignant
M8154/3	Mixed islet cell and exocrine adenocarcinoma
M8160/0	Bile duct adenoma
M8160/3	Cholangiocarcinoma
M8161/0	Bile duct cystadenoma
M8161/3	Bile duct cystadenocarcinoma
M8170/0	Liver cell adenoma
M8170/3	Hepatocellular carcinoma NOS
M8180/0	Hepatocholangioma, benign
M8180/3	Combined hepatocellular carcinoma and cholangiocarcinoma
M8190/0	Trabecular adenoma
M8190/3	Trabecular adenocarcinoma
M8191/0	Embryonal adenoma
M8200/0	Eccrine dermal cylindroma
M8200/3	Adenoid cystic carcinoma
M8201/3	Cribriform carcinoma
M8210/0	Adenomatous polyp NOS
M8210/3	Adenocarcinoma in adenomatous polyp
M8211/0	Tubular adenoma NOS
M8211/3	Tubular adenocarcinoma
M8220/0	Adenomatous polyposis coli
M8220/3	Adenocarcinoma in adenomatous polyposis coli
M8221/0	Multiple adenomatous polyps
M8230/3	Solid carcinoma NOS
M8231/3	Carcinoma simplex
M8240/1	Carcinoid tumor NOS
M8240/3	Carcinoid tumor, malignant
M8241/1	Carcinoid tumor, argentaffin NOS
M8241/3	Carcinoid tumor, argentaffin, malignant
M8242/1	Carcinoid tumor, nonargentaffin NOS
M8242/3	Carcinoid tumor, nonargentaffin, malignant
M8243/3	Mucocarcinoid tumor, malignant
M8244/3	Composite carcinoid
M8250/1	Pulmonary adenomatosis
M8250/3	Bronchiolo-alveolar adenocarcinoma
M8251/0	Alveolar adenoma
M8251/3	Alveolar adenocarcinoma
M8260/0	Papillary adenoma NOS
M8260/3	Papillary adenocarcinoma NOS
M8261/1	Villous adenoma NOS
M8261/3	Adenocarcinoma in villous adenoma
M8262/3	Villous adenocarcinoma
M8263/0	Tubulovillous adenoma
M8270/0	Chromophobe adenoma
M8270/3	Chromophobe carcinoma
M8280/0	Acidophil adenoma

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M8280/3	Acidophil carcinoma
M8281/0	Mixed acidophil-basophil adenoma
M8281/3	Mixed acidophil-basophil carcinoma
M8290/0	Oxyphilic adenoma
M8290/3	Oxyphilic adenocarcinoma
M8300/0	Basophil adenoma
M8300/3	Basophil carcinoma
M8310/0	Clear cell adenoma
M8310/3	Clear cell adenocarcinoma NOS
M8311/1	Hypernephroid tumor
M8312/3	Renal cell carcinoma
M8313/0	Clear cell adenofibroma
M8320/3	Granular cell carcinoma
M8321/0	Chief cell adenoma
M8322/0	Water-clear cell adenoma
M8322/3	Water-clear cell adenocarcinoma
M8323/0	Mixed cell adenoma
M8323/3	Mixed cell adenocarcinoma
M8324/0	Lipoadenoma
M8330/0	Follicular adenoma
M8330/3	Follicular adenocarcinoma NOS
M8331/3	Follicular adenocarcinoma, well differentiated type
M8332/3	Follicular adenocarcinoma, trabecular type
M8333/0	Microfollicular adenoma
M8334/0	Macrofollicular adenoma
M8340/3	Papillary and follicular adenocarcinoma
M8350/3	Nonencapsulated sclerosing carcinoma
M8360/1	Multiple endocrine adenomas
M8361/1	Juxtaglomerular tumor
M8370/0	Adrenal cortical adenoma NOS
M8370/3	Adrenal cortical carcinoma
M8371/0	Adrenal cortical adenoma, compact cell type
M8372/0	Adrenal cortical adenoma, heavily pigmented variant
M8373/0	Adrenal cortical adenoma, clear cell type
M8374/0	Adrenal cortical adenoma, glomerulosa cell type
M8375/0	Adrenal cortical adenoma, mixed cell type
M8380/0	Endometrioid adenoma NOS
M8380/1	Endometrioid adenoma, borderline malignancy
M8380/3	Endometrioid carcinoma
M8381/0	Endometrioid adenofibroma NOS
M8381/1	Endometrioid adenofibroma, borderline malignancy
M8381/3	Endometrioid adenofibroma, malignant

### **M839-M842 Adnexal and skin appendage neoplasms**

M8390/0	Skin appendage adenoma
M8390/3	Skin appendage carcinoma
M8400/0	Sweat gland adenoma
M8400/1	Sweat gland tumor NOS
M8400/3	Sweat gland adenocarcinoma
M8401/0	Apocrine adenoma
M8401/3	Apocrine adenocarcinoma
M8402/0	Eccrine acrospiroma
M8403/0	Eccrine spiradenoma
M8404/0	Hidrocystoma
M8405/0	Papillary hidradenoma

M8406/0 Papillary syringadenoma  
M8407/0 Syringoma NOS  
M8410/0 Sebaceous adenoma  
M8410/3 Sebaceous adenocarcinoma  
M8420/0 Ceruminous adenoma  
M8420/3 Ceruminous adenocarcinoma

**M843 Mucoepidermoid neoplasms**

M8430/1 Mucoepidermoid tumor  
M8430/3 Mucoepidermoid carcinoma

**M844-M849 Cystic, mucinous, and serous neoplasms**

M8440/0 Cystadenoma NOS  
M8440/3 Cystadenocarcinoma NOS  
M8441/0 Serous cystadenoma NOS  
M8441/1 Serous cystadenoma, borderline malignancy  
M8441/3 Serous cystadenocarcinoma NOS  
M8450/0 Papillary cystadenoma NOS  
M8450/1 Papillary cystadenoma, borderline malignancy  
M8450/3 Papillary cystadenocarcinoma NOS  
M8460/0 Papillary serous cystadenoma NOS  
M8460/1 Papillary serous cystadenoma, borderline malignancy  
M8460/3 Papillary serous cystadenocarcinoma  
M8461/0 Serous surface papilloma NOS  
M8461/1 Serous surface papilloma, borderline malignancy  
M8461/3 Serous surface papillary carcinoma  
M8470/0 Mucinous cystadenoma NOS  
M8470/1 Mucinous cystadenoma, borderline malignancy  
M8470/3 Mucinous cystadenocarcinoma NOS  
M8471/0 Papillary mucinous cystadenoma NOS  
M8471/1 Papillary mucinous cystadenoma, borderline malignancy  
M8471/3 Papillary mucinous cystadenocarcinoma  
M8480/0 Mucinous adenoma  
M8480/3 Mucinous adenocarcinoma  
M8480/6 Pseudomyxoma peritonei  
M8481/3 Mucin-producing adenocarcinoma  
M8490/3 Signet ring cell carcinoma  
M8490/6 Metastatic signet ring cell carcinoma

**M850-M854 Ductal, lobular, and medullary neoplasms**

M8500/2 Intraductal carcinoma, noninfiltrating NOS  
M8500/3 Infiltrating duct carcinoma  
M8501/2 Comedocarcinoma, noninfiltrating  
M8501/3 Comedocarcinoma NOS  
M8502/3 Juvenile carcinoma of the breast  
M8503/0 Intraductal papilloma  
M8503/2 Noninfiltrating intraductal papillary adenocarcinoma  
M8504/0 Intracystic papillary adenoma  
M8504/2 Noninfiltrating intracystic carcinoma  
M8505/0 Intraductal papillomatosis NOS  
M8506/0 Subareolar duct papillomatosis  
M8510/3 Medullary carcinoma NOS  
M8511/3 Medullary carcinoma with amyloid stroma  
M8512/3 Medullary carcinoma with lymphoid stroma  
M8520/2 Lobular carcinoma in situ

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M8520/3	Lobular carcinoma NOS
M8521/3	Infiltrating ductular carcinoma
M8530/3	Inflammatory carcinoma
M8540/3	Paget's disease, mammary
M8541/3	Paget's disease and infiltrating duct carcinoma of breast
M8542/3	Paget's disease, extramammary (except Paget's disease of bone)

### **M855 Acinar cell neoplasms**

M8550/0	Acinar cell adenoma
M8550/1	Acinar cell tumor
M8550/3	Acinar cell carcinoma

### **M856-M858 Complex epithelial neoplasms**

M8560/3	Adenosquamous carcinoma
M8561/0	Adenolymphoma
M8570/3	Adenocarcinoma with squamous metaplasia
M8571/3	Adenocarcinoma with cartilaginous and osseous metaplasia
M8572/3	Adenocarcinoma with spindle cell metaplasia
M8573/3	Adenocarcinoma with apocrine metaplasia
M8580/0	Thymoma, benign
M8580/3	Thymoma, malignant

### **M859-M867 Specialized gonadal neoplasms**

M8590/1	Sex cord-stromal tumor
M8600/0	Thecoma NOS
M8600/3	Theca cell carcinoma
M8610/0	Luteoma NOS
M8620/1	Granulosa cell tumor NOS
M8620/3	Granulosa cell tumor, malignant
M8621/1	Granulosa cell-theca cell tumor
M8630/0	Androblastoma, benign
M8630/1	Androblastoma NOS
M8630/3	Androblastoma, malignant
M8631/0	Sertoli-Leydig cell tumor
M8632/1	Gynandroblastoma
M8640/0	Tubular androblastoma NOS
M8640/3	Sertoli cell carcinoma
M8641/0	Tubular androblastoma with lipid storage
M8650/0	Leydig cell tumor, benign
M8650/1	Leydig cell tumor NOS
M8650/3	Leydig cell tumor, malignant
M8660/0	Hilar cell tumor
M8670/0	Lipid cell tumor of ovary
M8671/0	Adrenal rest tumor

### **M868-M871 Paragangliomas and glomus tumors**

M8680/1	Paraganglioma NOS
M8680/3	Paraganglioma, malignant
M8681/1	Sympathetic paraganglioma
M8682/1	Parasympathetic paraganglioma
M8690/1	Glomus jugulare tumor
M8691/1	Aortic body tumor
M8692/1	Carotid body tumor
M8693/1	Extra-adrenal paraganglioma NOS

M8693/3 Extra-adrenal paraganglioma, malignant  
M8700/0 Pheochromocytoma NOS  
M8700/3 Pheochromocytoma, malignant  
M8710/3 Glomangiosarcoma  
M8711/0 Glomus tumor  
M8712/0 Glomangioma

**M872-M879 Nevi and melanomas**

M8720/0 Pigmented nevus NOS  
M8720/3 Malignant melanoma NOS  
M8721/3 Nodular melanoma  
M8722/0 Balloon cell nevus  
M8722/3 Balloon cell melanoma  
M8723/0 Halo nevus  
M8724/0 Fibrous papule of the nose  
M8725/0 Neuronevus  
M8726/0 Magnocellular nevus  
M8730/0 Nonpigmented nevus  
M8730/3 Amelanotic melanoma  
M8740/0 Junctional nevus  
M8740/3 Malignant melanoma in junctional nevus  
M8741/2 Precancerous melanosis NOS  
M8741/3 Malignant melanoma in precancerous melanosis  
M8742/2 Hutchinson's melanotic freckle  
M8742/3 Malignant melanoma in Hutchinson's melanotic freckle  
M8743/3 Superficial spreading melanoma  
M8750/0 Intradermal nevus  
M8760/0 Compound nevus  
M8761/1 Giant pigmented nevus  
M8761/3 Malignant melanoma in giant pigmented nevus  
M8770/0 Epithelioid and spindle cell nevus  
M8771/3 Epithelioid cell melanoma  
M8772/3 Spindle cell melanoma NOS  
M8773/3 Spindle cell melanoma, type A  
M8774/3 Spindle cell melanoma, type B  
M8775/3 Mixed epithelioid and spindle cell melanoma  
M8780/0 Blue nevus NOS  
M8780/3 Blue nevus, malignant  
M8790/0 Cellular blue nevus

**M880 Soft tissue tumors and sarcomas NOS**

M8800/0 Soft tissue tumor, benign  
M8800/3 Sarcoma NOS  
M8800/9 Sarcomatosis NOS  
M8801/3 Spindle cell sarcoma  
M8802/3 Giant cell sarcoma (except of bone M9250/3)  
M8803/3 Small cell sarcoma  
M8804/3 Epithelioid cell sarcoma

**M881-M883 Fibromatous neoplasms**

M8810/0 Fibroma NOS  
M8810/3 Fibrosarcoma NOS  
M8811/0 Fibromyxoma  
M8811/3 Fibromyxosarcoma  
M8812/0 Periosteal fibroma



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M8812/3	Periosteal fibrosarcoma
M8813/0	Fascial fibroma
M8813/3	Fascial fibrosarcoma
M8814/3	Infantile fibrosarcoma
M8820/0	Elastofibroma
M8821/1	Aggressive fibromatosis
M8822/1	Abdominal fibromatosis
M8823/1	Desmoplastic fibroma
M8830/0	Fibrous histiocytoma NOS
M8830/1	Atypical fibrous histiocytoma
M8830/3	Fibrous histiocytoma, malignant
M8831/0	Fibroxanthoma NOS
M8831/1	Atypical fibroxanthoma
M8831/3	Fibroxanthoma, malignant
M8832/0	Dermatofibroma NOS
M8832/1	Dermatofibroma protuberans
M8832/3	Dermatofibrosarcoma NOS

### **M884 Myxomatous neoplasms**

M8840/0	Myxoma NOS
M8840/3	Myxosarcoma

### **M885-M888 Lipomatous neoplasms**

M8850/0	Lipoma NOS
M8850/3	Liposarcoma NOS
M8851/0	Fibrolipoma
M8851/3	Liposarcoma, well differentiated type
M8852/0	Fibromyxolipoma
M8852/3	Myxoid liposarcoma
M8853/3	Round cell liposarcoma
M8854/3	Pleomorphic liposarcoma
M8855/3	Mixed type liposarcoma
M8856/0	Intramuscular lipoma
M8857/0	Spindle cell lipoma
M8860/0	Angiomyolipoma
M8860/3	Angiomyoliposarcoma
M8861/0	Angiolipoma NOS
M8861/1	Angiolipoma, infiltrating
M8870/0	Myelolipoma
M8880/0	Hibernoma
M8881/0	Lipoblastomatosis

### **M889-M892 Myomatous neoplasms**

M8890/0	Leiomyoma NOS
M8890/1	Intravascular leiomyomatosis
M8890/3	Leiomyosarcoma NOS
M8891/1	Epithelioid leiomyoma
M8891/3	Epithelioid leiomyosarcoma
M8892/1	Cellular leiomyoma
M8893/0	Bizarre leiomyoma
M8894/0	Angiomyoma
M8894/3	Angiomyosarcoma
M8895/0	Myoma
M8895/3	Myosarcoma
M8900/0	Rhabdomyoma NOS

M8900/3 Rhabdomyosarcoma NOS  
M8901/3 Pleomorphic rhabdomyosarcoma  
M8902/3 Mixed type rhabdomyosarcoma  
M8903/0 Fetal rhabdomyoma  
M8904/0 Adult rhabdomyoma  
M8910/3 Embryonal rhabdomyosarcoma  
M8920/3 Alveolar rhabdomyosarcoma

**M893-M899      Complex mixed and stromal neoplasms**

M8930/3 Endometrial stromal sarcoma  
M8931/1 Endolymphatic stromal myosis  
M8932/0 Adenomyoma  
M8940/0 Pleomorphic adenoma  
M8940/3 Mixed tumor, malignant NOS  
M8950/3 Mullerian mixed tumor  
M8951/3 Mesodermal mixed tumor  
M8960/1 Mesoblastic nephroma  
M8960/3 Nephroblastoma NOS  
M8961/3 Epithelial nephroblastoma  
M8962/3 Mesenchymal nephroblastoma  
M8970/3 Hepatoblastoma  
M8980/3 Carcinosarcoma NOS  
M8981/3 Carcinosarcoma, embryonal type  
M8982/0 Myoepithelioma  
M8990/0 Mesenchymoma, benign  
M8990/1 Mesenchymoma NOS  
M8990/3 Mesenchymoma, malignant  
M8991/3 Embryonal sarcoma

**M900-M903      Fibroepithelial neoplasms**

M9000/0 Brenner tumor NOS  
M9000/1 Brenner tumor, borderline malignancy  
M9000/3 Brenner tumor, malignant  
M9010/0 Fibroadenoma NOS  
M9011/0 Intracanalicular fibroadenoma NOS  
M9012/0 Pericanalicular fibroadenoma  
M9013/0 Adenofibroma NOS  
M9014/0 Serous adenofibroma  
M9015/0 Mucinous adenofibroma  
M9020/0 Cellular intracanalicular fibroadenoma  
M9020/1 Cystosarcoma phyllodes NOS  
M9020/3 Cystosarcoma phyllodes, malignant  
M9030/0 Juvenile fibroadenoma

**M904              Synovial neoplasms**

M9040/0 Synovioma, benign  
M9040/3 Synovial sarcoma NOS  
M9041/3 Synovial sarcoma, spindle cell type  
M9042/3 Synovial sarcoma, epithelioid cell type  
M9043/3 Synovial sarcoma, biphasic type  
M9044/3 Clear cell sarcoma of tendons and aponeuroses

**M905              Mesothelial neoplasms**

M9050/0 Mesothelioma, benign

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M9050/3 Mesothelioma, malignant  
M9051/0 Fibrous mesothelioma, benign  
M9051/3 Fibrous mesothelioma, malignant  
M9052/0 Epithelioid mesothelioma, benign  
M9052/3 Epithelioid mesothelioma, malignant  
M9053/0 Mesothelioma, biphasic type, benign  
M9053/3 Mesothelioma, biphasic type, malignant  
M9054/0 Adenomatoid tumor NOS

### **M906-M909 Germ cell neoplasms**

M9060/3 Dysgerminoma  
M9061/3 Seminoma NOS  
M9062/3 Seminoma, anaplastic type  
M9063/3 Spermatocytic seminoma  
M9064/3 Germinoma  
M9070/3 Embryonal carcinoma NOS  
M9071/3 Endodermal sinus tumor  
M9072/3 Polyembryoma  
M9073/1 Gonadoblastoma  
M9080/0 Teratoma, benign  
M9080/1 Teratoma NOS  
M9080/3 Teratoma, malignant NOS  
M9081/3 Teratocarcinoma  
M9082/3 Malignant teratoma, undifferentiated type  
M9083/3 Malignant teratoma, intermediate type  
M9084/0 Dermoid cyst  
M9084/3 Dermoid cyst with malignant transformation  
M9090/0 Struma ovarii NOS  
M9090/3 Struma ovarii, malignant  
M9091/1 Strumal carcinoid

### **M910 Trophoblastic neoplasms**

M9100/0 Hydatidiform mole NOS  
M9100/1 Invasive hydatidiform mole  
M9100/3 Choriocarcinoma  
M9101/3 Choriocarcinoma combined with teratoma  
M9102/3 Malignant teratoma, trophoblastic

### **M911 Mesonephromas**

M9110/0 Mesonephroma, benign  
M9110/1 Mesonephric tumor  
M9110/3 Mesonephroma, malignant  
M9111/1 Endosalpingioma

### **M912-M916 Blood vessel tumors**

M9120/0 Hemangioma NOS  
M9120/3 Hemangiosarcoma  
M9121/0 Cavernous hemangioma  
M9122/0 Venous hemangioma  
M9123/0 Racemose hemangioma  
M9124/3 Kupffer cell sarcoma  
M9130/0 Hemangioendothelioma, benign  
M9130/1 Hemangioendothelioma NOS  
M9130/3 Hemangioendothelioma, malignant

M9131/0 Capillary hemangioma  
M9132/0 Intramuscular hemangioma  
M9140/3 Kaposi's sarcoma  
M9141/0 Angiokeratoma  
M9142/0 Verrucous keratotic hemangioma  
M9150/0 Hemangiopericytoma, benign  
M9150/1 Hemangiopericytoma NOS  
M9150/3 Hemangiopericytoma, malignant  
M9160/0 Angiofibroma NOS  
M9161/1 Hemangioblastoma

**M917 Lymphatic vessel tumors**

M9170/0 Lymphangioma NOS  
M9170/3 Lymphangiosarcoma  
M9171/0 Capillary lymphangioma  
M9172/0 Cavernous lymphangioma  
M9173/0 Cystic lymphangioma  
M9174/0 Lymphangiomyoma  
M9174/1 Lymphangiomyomatosis  
M9175/0 Hemolymphangioma

**M918-M920 Osteomas and osteosarcomas**

M9180/0 Osteoma NOS  
M9180/3 Osteosarcoma NOS  
M9181/3 Chondroblastic osteosarcoma  
M9182/3 Fibroblastic osteosarcoma  
M9183/3 Telangiectatic osteosarcoma  
M9184/3 Osteosarcoma in Paget's disease of bone  
M9190/3 Juxtacortical osteosarcoma  
M9191/0 Osteoid osteoma NOS  
M9200/0 Osteoblastoma

**M921-M924 Chondromatous neoplasms**

M9210/0 Osteochondroma  
M9210/1 Osteochondromatosis NOS  
M9220/0 Chondroma NOS  
M9220/1 Chondromatosis NOS  
M9220/3 Chondrosarcoma NOS  
M9221/0 Juxtacortical chondroma  
M9221/3 Juxtacortical chondrosarcoma  
M9230/0 Chondroblastoma NOS  
M9230/3 Chondroblastoma, malignant  
M9240/3 Mesenchymal chondrosarcoma  
M9241/0 Chondromyxoid fibroma

**M925 Giant cell tumors**

M9250/1 Giant cell tumor of bone NOS  
M9250/3 Giant cell tumor of bone, malignant  
M9251/1 Giant cell tumor of soft parts NOS  
M9251/3 Malignant giant cell tumor of soft parts

**M926 Miscellaneous bone tumors**

M9260/3 Ewing's sarcoma  
M9261/3 Adamantinoma of long bones

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M9262/0 Ossifying fibroma

### **M927-M934 Odontogenic tumors**

M9270/0 Odontogenic tumor, benign  
M9270/1 Odontogenic tumor NOS  
M9270/3 Odontogenic tumor, malignant  
M9271/0 Dentinoma  
M9272/0 Cementoma NOS  
M9273/0 Cementoblastoma, benign  
M9274/0 Cementifying fibroma  
M9275/0 Gigantiform cementoma  
M9280/0 Odontoma NOS  
M9281/0 Compound odontoma  
M9282/0 Complex odontoma  
M9290/0 Ameloblastic fibro-odontoma  
M9290/3 Ameloblastic odontosarcoma  
M9300/0 Adenomatoid odontogenic tumor  
M9301/0 Calcifying odontogenic cyst  
M9310/0 Ameloblastoma NOS  
M9310/3 Ameloblastoma, malignant  
M9311/0 Odontoameloblastoma  
M9312/0 Squamous odontogenic tumor  
M9320/0 Odontogenic myxoma  
M9321/0 Odontogenic fibroma NOS  
M9330/0 Ameloblastic fibroma  
M9330/3 Ameloblastic fibrosarcoma  
M9340/0 Calcifying epithelial odontogenic tumor

### **M935-M937 Miscellaneous tumors**

M9350/1 Craniopharyngioma  
M9360/1 Pinealoma  
M9361/1 Pineocytoma  
M9362/3 Pineoblastoma  
M9363/0 Melanotic neuroectodermal tumor  
M9370/3 Chordoma

### **M938-M948 Gliomas**

M9380/3 Glioma, malignant  
M9381/3 Gliomatosis cerebri  
M9382/3 Mixed glioma  
M9383/1 Subependymal glioma  
M9384/1 Subependymal giant cell astrocytoma  
M9390/0 Choroid plexus papilloma NOS  
M9390/3 Choroid plexus papilloma, malignant  
M9391/3 Ependymoma NOS  
M9392/3 Ependymoma, anaplastic type  
M9393/1 Papillary ependymoma  
M9394/1 Myxopapillary ependymoma  
M9400/3 Astrocytoma NOS  
M9401/3 Astrocytoma, anaplastic type  
M9410/3 Protoplasmic astrocytoma  
M9411/3 Gemistocytic astrocytoma  
M9420/3 Fibrillary astrocytoma  
M9421/3 Pilocytic astrocytoma  
M9422/3 Spongioblastoma NOS

M9423/3 Spongioblastoma polare  
M9430/3 Astroblastoma  
M9440/3 Glioblastoma NOS  
M9441/3 Giant cell glioblastoma  
M9442/3 Glioblastoma with sarcomatous component  
M9443/3 Primitive polar spongioblastoma  
M9450/3 Oligodendroglioma NOS  
M9451/3 Oligodendroglioma, anaplastic type  
M9460/3 Oligodendroblastoma  
M9470/3 Medulloblastoma NOS  
M9471/3 Desmoplastic medulloblastoma  
M9472/3 Medullomyoblastoma  
M9480/3 Cerebellar sarcoma NOS  
M9481/3 Monstrocellular sarcoma

**M949-M952 Neuroepitheliomatous neoplasms**

M9490/0 Ganglioneuroma  
M9490/3 Ganglioneuroblastoma  
M9491/0 Ganglioneuromatosis  
M9500/3 Neuroblastoma NOS  
M9501/3 Medulloepithelioma NOS  
M9502/3 Teratoid medulloepithelioma  
M9503/3 Neuroepithelioma NOS  
M9504/3 Spongioneuroblastoma  
M9505/1 Ganglioglioma  
M9506/0 Neurocytoma  
M9507/0 Pacinian tumor  
M9510/3 Retinoblastoma NOS  
M9511/3 Retinoblastoma, differentiated type  
M9512/3 Retinoblastoma, undifferentiated type  
M9520/3 Olfactory neurogenic tumor  
M9521/3 Esthesioneurocytoma  
M9522/3 Esthesioneuroblastoma  
M9523/3 Esthesioneuroepithelioma

**M953 Meningiomas**

M9530/0 Meningioma NOS  
M9530/1 Meningiomatosis NOS  
M9530/3 Meningioma, malignant  
M9531/0 Meningotheliomatous meningioma  
M9532/0 Fibrous meningioma  
M9533/0 Psammomatous meningioma  
M9534/0 Angiomatous meningioma  
M9535/0 Hemangioblastic meningioma  
M9536/0 Hemangiopericytic meningioma  
M9537/0 Transitional meningioma  
M9538/1 Papillary meningioma  
M9539/3 Meningeal sarcomatosis

**M954-M957 Nerve sheath tumor**

M9540/0 Neurofibroma NOS  
M9540/1 Neurofibromatosis NOS  
M9540/3 Neurofibrosarcoma  
M9541/0 Melanotic neurofibroma  
M9550/0 Plexiform neurofibroma

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M9560/0 Neurilemmoma NOS  
M9560/1 Neurinomatosis  
M9560/3 Neurilemmoma, malignant  
M9570/0 Neuroma NOS

**M958 Granular cell tumors and alveolar soft part sarcoma**

M9580/0 Granular cell tumor NOS  
M9580/3 Granular cell tumor, malignant  
M9581/3 Alveolar soft part sarcoma

**M959-M963 Lymphomas, NOS or diffuse**

M9590/0 Lymphomatous tumor, benign  
M9590/3 Malignant lymphoma NOS  
M9591/3 Malignant lymphoma, non Hodgkin's type  
M9600/3 Malignant lymphoma, undifferentiated cell type NOS  
M9601/3 Malignant lymphoma, stem cell type  
M9602/3 Malignant lymphoma, convoluted cell type NOS  
M9610/3 Lymphosarcoma NOS  
M9611/3 Malignant lymphoma, lymphoplasmacytoid type  
M9612/3 Malignant lymphoma, immunoblastic type  
M9613/3 Malignant lymphoma, mixed lymphocytic-histiocytic NOS  
M9614/3 Malignant lymphoma, centroblastic-centrocytic, diffuse  
M9615/3 Malignant lymphoma, follicular center cell NOS  
M9620/3 Malignant lymphoma, lymphocytic, well differentiated NOS  
M9621/3 Malignant lymphoma, lymphocytic, intermediate differentiation NOS  
M9622/3 Malignant lymphoma, centrocytic  
M9623/3 Malignant lymphoma, follicular center cell, cleaved NOS  
M9630/3 Malignant lymphoma, lymphocytic, poorly differentiated NOS  
M9631/3 Prolymphocytic lymphosarcoma  
M9632/3 Malignant lymphoma, centroblastic type NOS  
M9633/3 Malignant lymphoma, follicular center cell, noncleaved NOS

**M964 Reticulosarcomas**

M9640/3 Reticulosarcoma NOS  
M9641/3 Reticulosarcoma, pleomorphic cell type  
M9642/3 Reticulosarcoma, nodular

**M965-M966 Hodgkin's disease**

M9650/3 Hodgkin's disease NOS  
M9651/3 Hodgkin's disease, lymphocytic predominance  
M9652/3 Hodgkin's disease, mixed cellularity  
M9653/3 Hodgkin's disease, lymphocytic depletion NOS  
M9654/3 Hodgkin's disease, lymphocytic depletion, diffuse fibrosis  
M9655/3 Hodgkin's disease, lymphocytic depletion, reticular type  
M9656/3 Hodgkin's disease, nodular sclerosis NOS  
M9657/3 Hodgkin's disease, nodular sclerosis, cellular phase  
M9660/3 Hodgkin's paraganuloma  
M9661/3 Hodgkin's granuloma  
M9662/3 Hodgkin's sarcoma

**M969 Lymphomas, nodular or follicular**

M9690/3 Malignant lymphoma, nodular NOS  
M9691/3 Malignant lymphoma, mixed lymphocytic-histiocytic, nodular  
M9692/3 Malignant lymphoma, centroblastic-centrocytic, follicular

M9693/3 Malignant lymphoma, lymphocytic, well differentiated, nodular  
M9694/3 Malignant lymphoma, lymphocytic, intermediate differentiation, nodular  
M9695/3 Malignant lymphoma, follicular center cell, cleaved, follicular  
M9696/3 Malignant lymphoma, lymphocytic, poorly differentiated, nodular  
M9697/3 Malignant lymphoma, centroblastic type, follicular  
M9698/3 Malignant lymphoma, follicular center cell, noncleaved, follicular

**M970 Mycosis fungoides**

M9700/3 Mycosis fungoides  
M9701/3 Sezary's disease

**M971-M972 Miscellaneous reticuloendothelial neoplasms**

M9710/3 Microglioma  
M9720/3 Malignant histiocytosis  
M9721/3 Histiocytic medullary reticulosis  
M9722/3 Letterer-Siwe's disease

**M973 Plasma cell tumors**

M9730/3 Plasma cell myeloma  
M9731/0 Plasma cell tumor, benign  
M9731/1 Plasmacytoma NOS  
M9731/3 Plasma cell tumor, malignant

**M974 Mast cell tumors**

M9740/1 Mastocytoma NOS  
M9740/3 Mast cell sarcoma  
M9741/3 Malignant mastocytosis

**M975 Burkitt's tumor**

M9750/3 Burkitt's tumor

**M980-M994 Leukemias**

**M980 Leukemias NOS**

M9800/3 Leukemia NOS  
M9801/3 Acute leukemia NOS  
M9802/3 Subacute leukemia NOS  
M9803/3 Chronic leukemia NOS  
M9804/3 Aleukemic leukemia NOS

**M981 Compound leukemias**

M9810/3 Compound leukemia

**M982 Lymphoid leukemias**

M9820/3 Lymphoid leukemia NOS  
M9821/3 Acute lymphoid leukemia  
M9822/3 Subacute lymphoid leukemia  
M9823/3 Chronic lymphoid leukemia  
M9824/3 Aleukemic lymphoid leukemia  
M9825/3 Prolymphocytic leukemia

**M983 Plasma cell leukemias**

M9830/3 Plasma cell leukemia



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**M984 Erythroleukemias**

M9840/3 Erythroleukemia  
M9841/3 Acute erythremia  
M9842/3 Chronic erythremia

**M985 Lymphosarcoma cell leukemias**

M9850/3 Lymphosarcoma cell leukemia

**M986 Myeloid leukemias**

M9860/3 Myeloid leukemia NOS  
M9861/3 Acute myeloid leukemia  
M9862/3 Subacute myeloid leukemia  
M9863/3 Chronic myeloid leukemia  
M9864/3 Aleukemic myeloid leukemia  
M9865/3 Neutrophilic leukemia  
M9866/3 Acute promyelocytic leukemia

**M987 Basophilic leukemias**

M9870/3 Basophilic leukemia

**M988 Eosinophilic leukemias**

M9880/3 Eosinophilic leukemia

**M989 Monocytic leukemias**

M9890/3 Monocytic leukemia NOS  
M9891/3 Acute monocytic leukemia  
M9892/3 Subacute monocytic leukemia  
M9893/3 Chronic monocytic leukemia  
M9894/3 Aleukemic monocytic leukemia

**M990-M994 Miscellaneous leukemias**

M9900/3 Mast cell leukemia  
M9910/3 Megakaryocytic leukemia  
M9920/3 Megakaryocytic myelosis  
M9930/3 Myeloid sarcoma  
M9940/3 Hairy cell leukemia

**M995-M997 Miscellaneous myeloproliferative and lymphoproliferative disorders**

M9950/1 Polycythemia vera  
M9951/1 Acute panmyelosis  
M9960/1 Chronic myeloproliferative disease  
M9961/1 Myelosclerosis with myeloid metaplasia  
M9962/1 Idiopathic thrombocythemia  
M9970/1 Chronic lymphoproliferative disease