

Chapter 13 - Diseases of the Musculoskeletal System and Connective Tissue

This chapter contains the following blocks:

M00-M25	Arthropathies
M26-M27	Dentofacial anomalies (including malocclusion) and other disorders of jaw
M30-M36	Systemic connective tissue disorders
M40-M54	Dorsopathies
M60-M79	Soft tissue disorders
M80-M94	Osteopathies and chondropathies
M95-M95.9	Other disorders of the musculoskeletal system and connective tissue
M96-M96.89	Intraoperative and postprocedural complications and disorders of musculoskeletal system, not elsewhere classified
M97-M97.9XXS	Periprosthetic fracture around internal prosthetic joint
M99-M99.9	Biomechanical lesions, not elsewhere classified



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Ch 13 Guidelines (I.C.13.a & b)

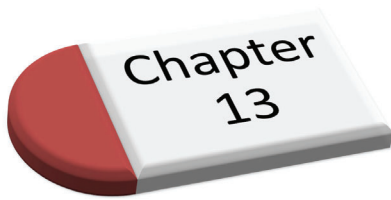
Site and laterality matter

Upper/lower end of bone with joint involvement - site = bone

Multiple sites affected no "multiple site" code, report each site

Chronic/Recurrent Conditions – Chapter 13

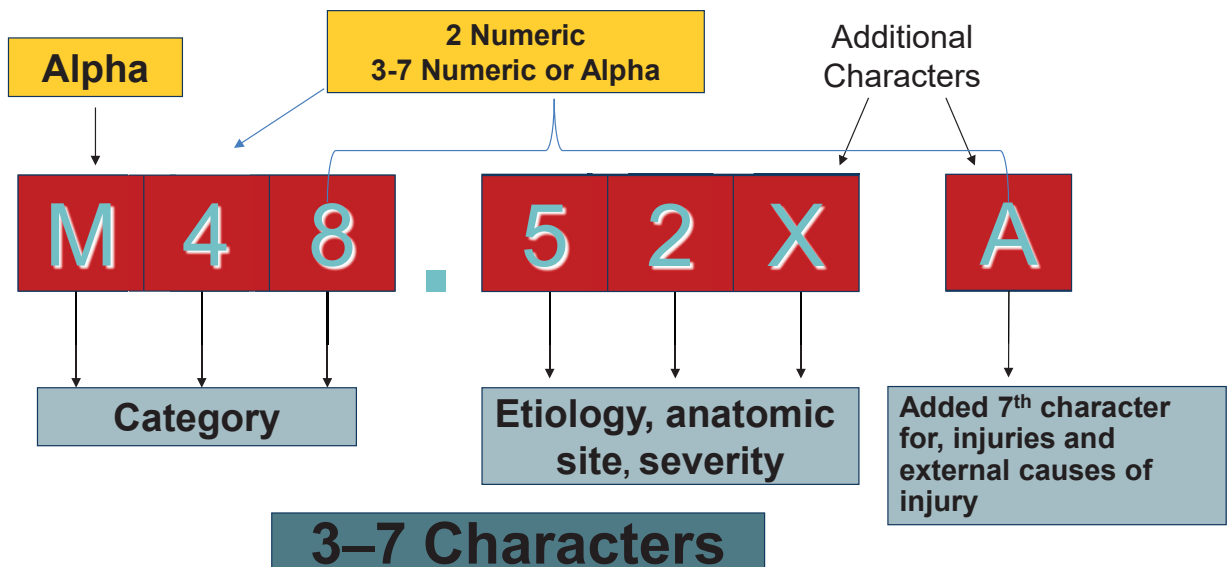
Acute Traumatic Conditions – Chapter 19 Injuries



Pathological or Stress Fracture Seventh Characters

A	• Initial encounter
D	• Subsequent – routine healing
G	• Subsequent – delayed healing
K	• Subsequent – nonunion
P	• Subsequent – malunion
S	• Sequela

Coding and 7th Character S



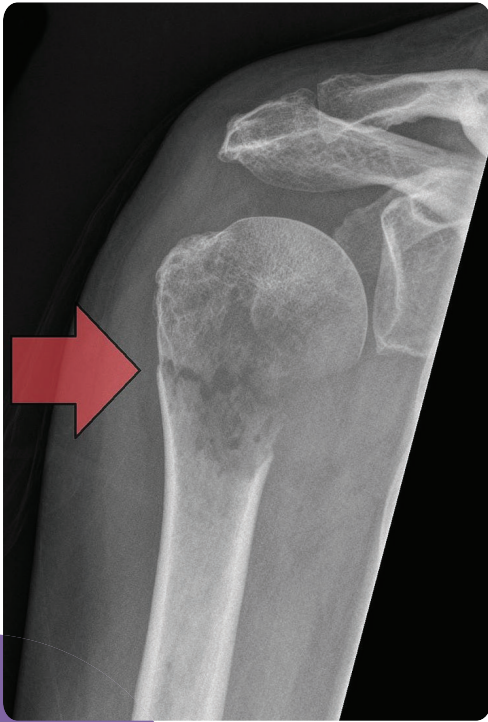
Activity

Seventh-character extensions for episode of care

- Age-related osteoporosis with current pathological fracture, right femur, initial encounter for fracture

Pathologic Fractures

- ICD-10-CM has four different categories for pathologic fractures
 - Due to neoplastic disease
 - Due to osteoporosis
 - Due to other specified disease
 - Not elsewhere classified



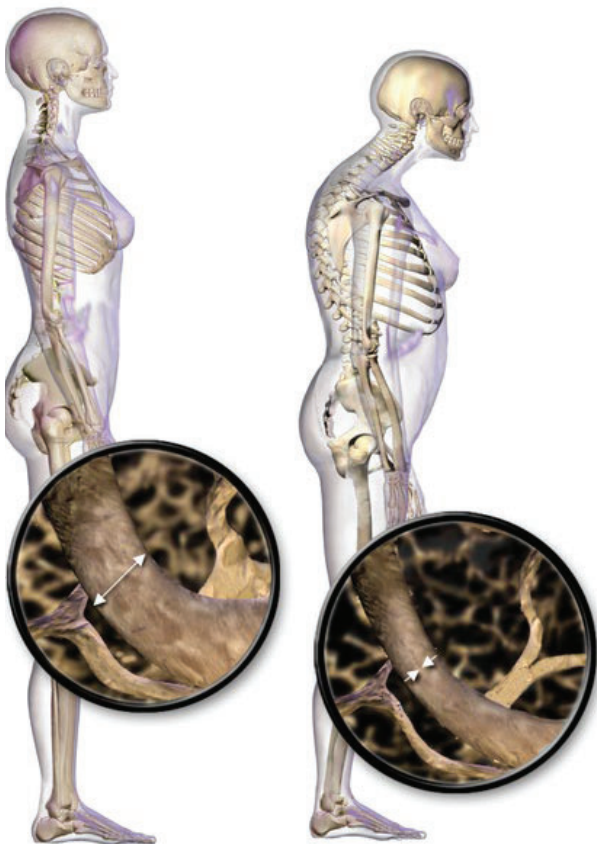
Pathological Fractures

- M80 - Osteoporosis with current pathological fracture
- M84.4 - Pathological fracture NEC
- M84.5 - Pathological fracture in neoplastic disease
- M84.6 - Pathological fracture in diseases classified elsewhere

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Pathologic Fractures Osteoporosis (I.C.13.c & d)

- (M81) - W/out current pathologic fracture (M81-)
- (M80-) - W/current pathologic fracture
 - All current fractures presumed associated if traumatic event (e.g., fall) preceding would have not normally resulted in fracture of normal healthy bone
- History of healed fracture Z87.310

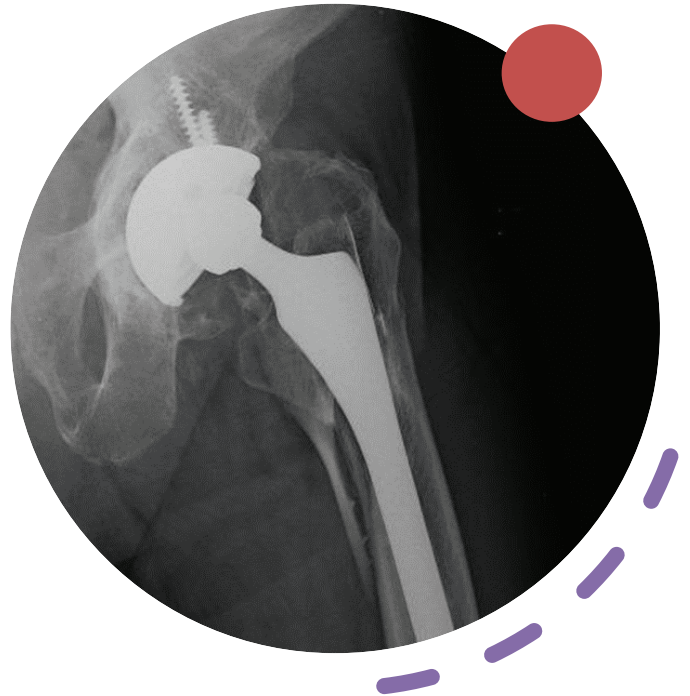
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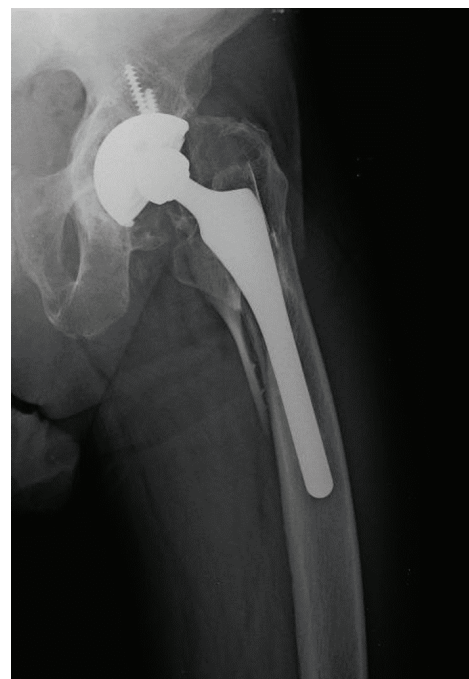
Periprosthetic Fractures (M97)

- Requires 2 codes
 - Code for the underlying conditions (traumatic or pathologic fracture)
 - (M97-) - Code for periprosthetic fracture
- Codes Specified by
 - Location
 - Laterality
 - Encounter type



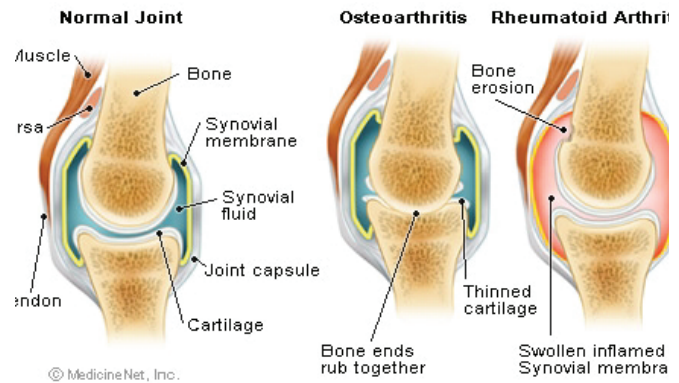
Periprosthetic Fractures Activity

Patient with bilateral hip replacements tripped and fell sustaining a periprosthetic fracture on the lower end of the right femur



Pathologic Fractures Osteoporosis (I.C.13.c & d)

- Degenerative (e.g., OA)
- Inflammatory (e.g., RA, psoriatic (PsA))
- Infectious (e.g., Septic arthritis)
- Metabolic (e.g., gout)



Normal and Arthritic Joints

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Osteoarthritis

- M15- to M19
 - Primary Or Secondary
 - Location
 - Laterality
 - Left/Right/Bilateral

Normal Knee

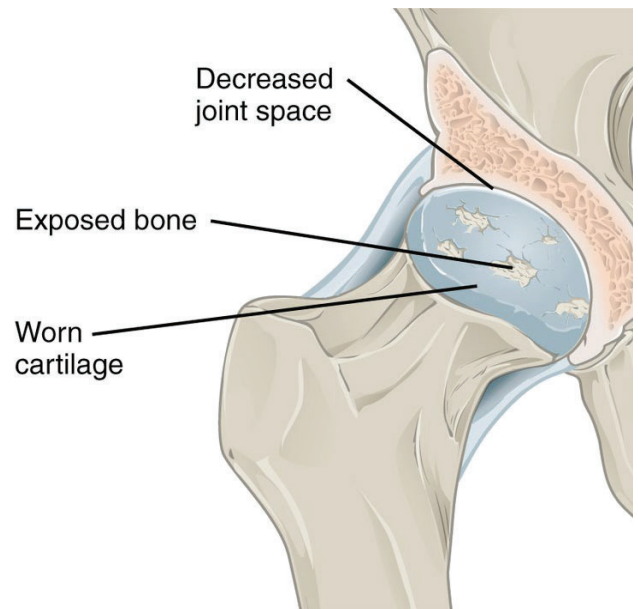


Osteoarthritis



Primary Osteoarthritis

- **M15.0** - Primary Generalized
- **M16.0-.12** - Hip
- **M17.0-.12** - Knee
- **M18.0-.12** - 1st CMC joint
- **M19.011-.19** - Shoulder
- **M19.021-.29** - Elbow
- **M19.031-39** - Wrist
- **M19.041-.49** - Hand
- **M19.071-79** - Ankle and Foot
- **M19.90** - Unspecified arthritis
- **M19.91** - Unspecified primary



Example: Hip OA

- **M15.0** - Primary Generalized
- **M16.0-.12** - Hip
- **M17.0-.12** - Knee
- **M18.0-.12** - 1st CMC joint
- **M19.011-.19** - Shoulder
- **M19.021-.29** - Elbow
- **M19.031-39** - Wrist
- **M19.041-.49** - Hand
- **M19.071-79** - Ankle and Foot
- **M19.90** - Unspecified arthritis
- **M19.91** - Unspecified primary

M16.0 - Bilateral primary
M16.10 - Unilateral primary, unspecified hip
M16.11 - ...right hip
M16.12 - ...left hip

Documentation

- M19.91 - Primary
- M19.90 - Arthritis
- OA NOS - Primary (Default)
- Bilateral with no bilateral code
 - Report both sides



Secondary Arthritis

- M16.2 - M16.7 - Hip
 - M16.2-M16.32 - Hip Dysplasia
 - M16.4 – M16.9 - Post Traumatic
- M17.4 - M17.5 Knee
 - Post Traumatic – M17.2 – M17.32
- M18.4-M18.52 - 1st CMC Joint
 - Post Traumatic M18.2 - M18.32
- M19.111 - M19.19 - Post traumatic other joints
 - *Specify Joint (Shoulder, Wrist etc.)*
- M21.211 – M21.279 - Secondary other joints
 - *Specify Joint*
- M19.92 – M19.93 - Unspecified

Polyarthrititis

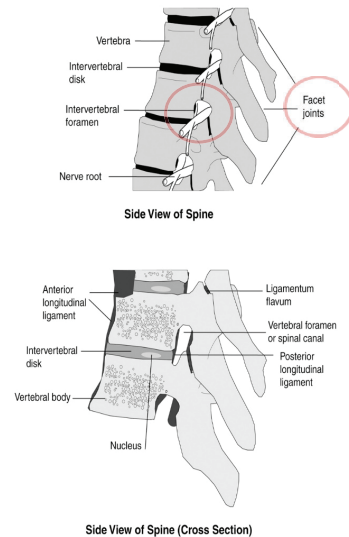
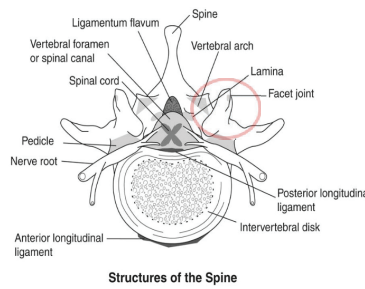
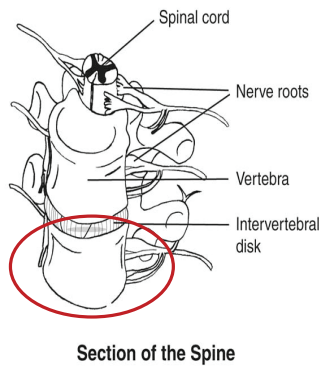
- M15.1 - Heberden's nodes
- M15.2 - Bouchard's nodes
- M15.3 - Secondary multiple arthritis
- M15.4 - Erosive OA
- M15.8 - Other polyosteoarthritis
- M15.9 - Polyosteoarthritis, unspecified



Spondylosis (M47)

- Degeneration in the spine
- Specified by
 - Site
 - With or without radiculopathy
- With or without myelopathy





Spine

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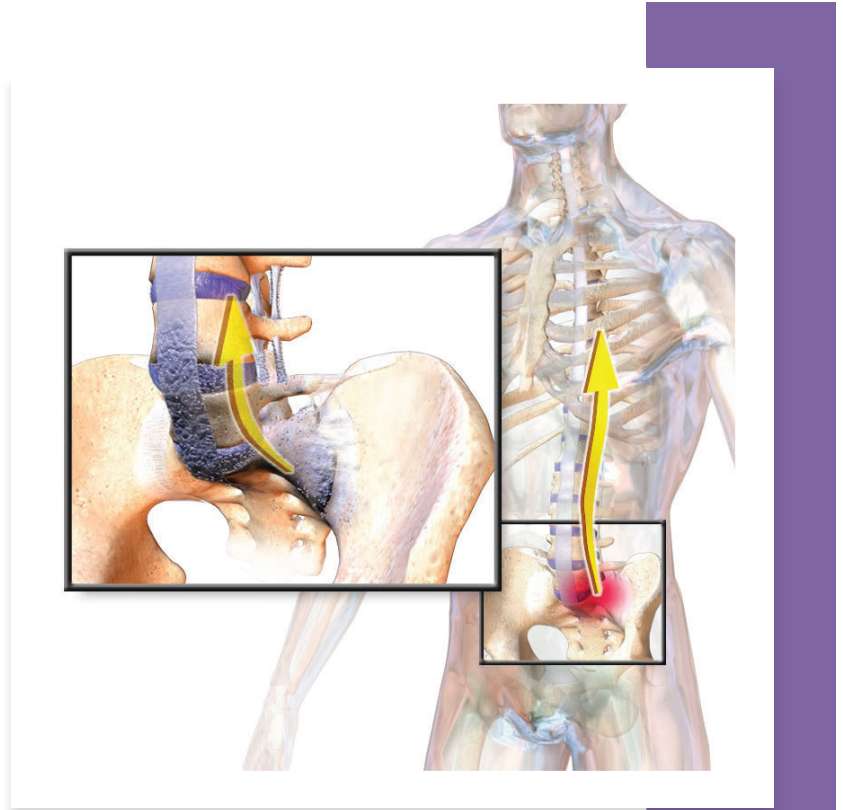
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Spondylosis

- **M47.011-019** - Anterior spinal artery compression syndromes
- **M47.021-029** - Vertebral artery compression syndromes
- **M47.10-16** - w/myelopathy
- **M47.20-28** - w/radiculopathy
- **M47.811-819**- w/o myelopathy or radiculopathy
- **M47.891-899** - Other spondylosis
- **M47.9** - unspecified

Ankylosing Spondylitis

- M45.0 - M45.9
 - Specified By Location
 - *Excludes 1:*
 - arthropathy in Reiter's disease
 - juvenile (ankylosing) spondylitis
 - *Excludes 2:*
 - Behçet's disease



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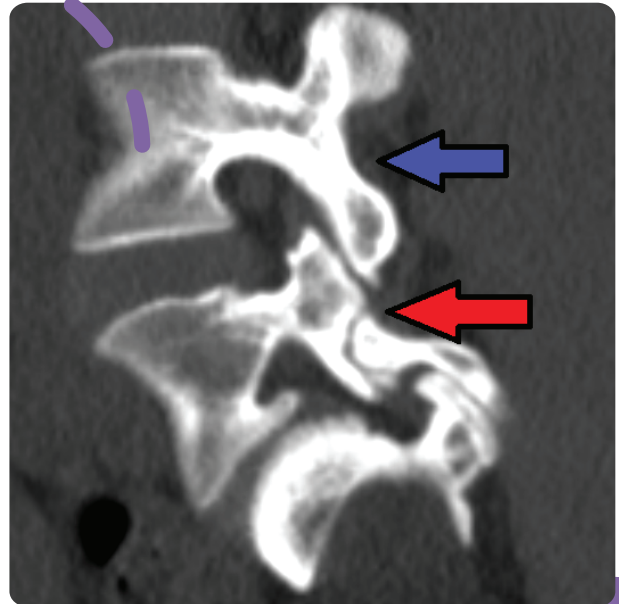
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Spondylolysis and Spondylolisthesis

- M43.0 - Spondylolysis
- M43.1 - Spondylolisthesis

❖ *Specified by location (spinal region)*



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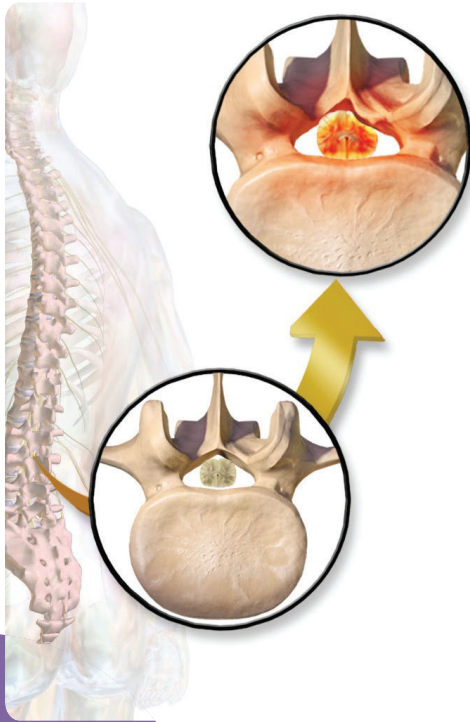
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Spinal Stenosis (M48.0)

- **Specified by Location**

- occipito-atlanto-axial
- cervical
- cervicothoracic
- thoracic
- thoracolumbar
- lumbar
 - Specify w/w/o M48.061 neurogenic claudication
- lumbosacral region
- sacral and sacrococcygeal region
- site unspecified



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Other Disc Disorders

- M50 - Cervical disc disorders
- M51 - Thoracic, thoracolumbar, and lumbosacral intervertebral disc disorders



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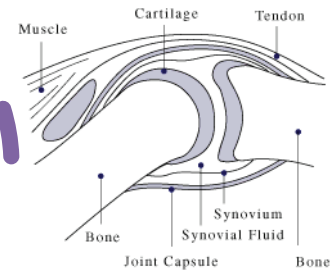
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Rheumatoid Arthritis

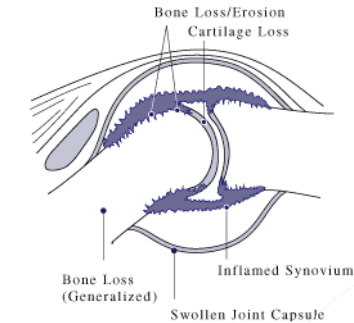
“An autoimmune disease in which the body’s immune system – which normally protects its health by attacking foreign substances like bacteria and viruses – mistakenly attacks the joints”

-The Arthritis Foundation

Normal Joint



Joint Affected by Rheumatoid Arthritis



Rheumatoid Arthritis with Rheumatoid Factor

- M05.00-09 -Felty's syndrome
- M05.10-19 - Rheumatoid lung disease w/RA
- M05.20-29 - Vasculitis
- M05.30-39 - Heart Disease
- M05.40-49 - Myopathy
- M05.50-59 - Polyneuropathy
- M05.60-69 - RA w/Rheumatoid factor w/involvement of other organs and systems
- M05.70-7A - w/o organ involvement
- M05.80-8A - Other RA w/rheumatoid factor
- M05.9 - Unspecified

Other Rheumatoid Arthritis

- M06.00-0A - RA w/o rheumatoid factor
- M06.1 - Adult-Onset Still's Disease
- M06.20-29 - Bursitis
- M06.30-39 - Rheumatoid Nodule
- M06.4 - Inflammatory polyarthropathy
- M06.80-89 - Other Specified RA
- M06.9 - Unspecified
- M06.0A and M06.8A - Other Specified Site

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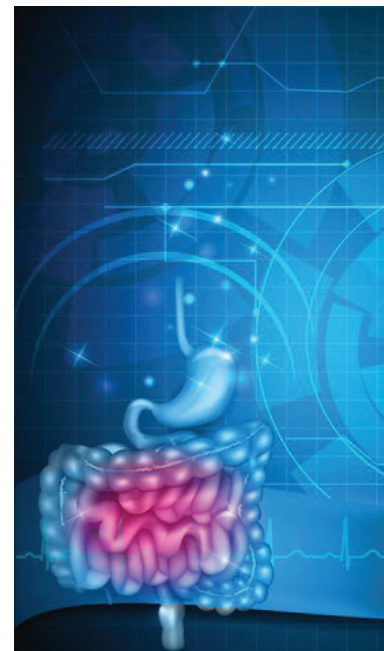
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Enteropathic Arthropathies

- **M07.60 - M07.69**
 - Specified by
 - Location and Laterality
 - Code also
 - Crohn's Disease
 - Ulcerative Colitis



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Juvenile Arthritis

- M08.00-09 - Unspecified RA
- M08.1 - Juvenile ankylosing spondylitis
- M08.20-2A - Juvenile RA w/systemic onset
- M08.3 - Juvenile Rheumatoid Polyarthritits (Seronegative)
- M08.40-4A - Pauciarticular Juvenile RA
- M08.80-89 - Other Juvenile Arthritis
- M08.90-99 - Unspecified
- M08.0A and M08.9A - Other Specified Site

Psoriatic Arthritis

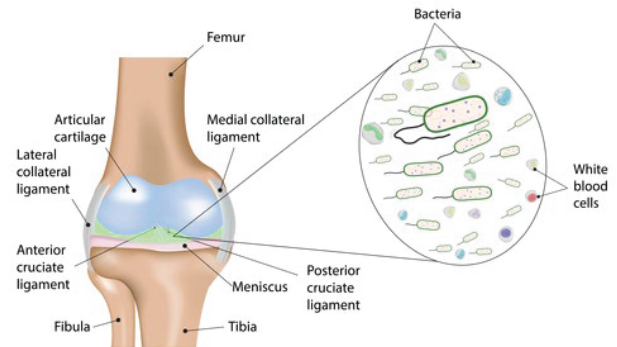
- L40.50 - Unspecified
- L40.51 - Distal Interphalangeal
- L40.52 - Mutilans
- L40.53 - Spondylitis
- L40.54 - Juvenile
- L40.59 - Other



Pyrogenic Arthritis

- M00.00-09 - Staphylococcal
- M00.10-19 - Pneumococcal
- M00.20-29 - Other Streptococcal
- M00.80-89 - Due To Other Bacteria
- M00.9 - Unspecified

Septic Arthritis



Direct Infection of Joint in Infectious and Parasitic Diseases

- Direct infection within a joint that is secondary to an infectious process occurring elsewhere in the body
 - Reported with Codes M01.X0 - M01.X9
 - Specified by location and laterality
 - Code first underlying disease

Postinfective and Reactive Arthropathies



- M02.00-09 - Following intestinal bypass
- M02.10-19 - Postdysenteric
- M02.20-29 - Postimmunization
- M02.30-39 - Reiter's disease
- M02.80-89 - Other
- M02.9 - Unspecified

Gout

- M10.00-09 - Idiopathic
- M10.10-19 - Lead induced
- M10.20-29 - Drug induced
- M10.30-39 - Due to renal impairment
- M10.40-49 - Other secondary gout
- M10.9 - Unspecified





Chronic Gout

- M1A.00-09 - Idiopathic
 - M1A.10-19 - Lead Induced
 - M1A.20-29 - Drug Induced
 - M1A.30-39 - Due to renal impairment
 - M1A.40-49 - Other secondary gout
 - M1A.9 - Unspecified
-
- ****7th Character Required to Specify w/ or w/o Tophus***

Activity

- Patient is seen in rehab for aftercare for periprosthetic fracture around internal prosthetic right hip joint secondary to osteoporotic fracture of right hip
- A patient is seen by her physician and is diagnosed with ankylosing spondylitis sacral and sacrococcygeal region
- Spinal stenosis due to spondylosis with myelopathy L4-L5
- Pyogenic arthritis of the knee joint due to MRSA



IRF Considerations - Etiologic

Primarily Etiologic in

- **Neuro**
 - 3.9 - Other Neuro - radiculopathy
- **NT Spine**
 - 4.110-4.130 - Myelopathy in spinal conditions, Stenosis with spinal cord impingement
- **Ortho**
 - 8.11, 8.12 - Pathologic Hip Fracture
 - 8.2 - Pathologic Hip Fracture



IRF Considerations - Etiologic

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Primarily Etiologic in

- **Ortho**
 - 8.3 - Pathologic pelvic fracture
 - 8.4 - Tib/Fib path fractures
 - 8.51, 8.52 - OA/ RA of hip, pathologic hip fracture
 - 8.61, 8.32 - OA/RA of knee, pathologic fracture of distal femur
 - 8.71, 8.72 - OA/ RA and pathologic fractures of knee and hip
 - 8.9- Spinal Stenosis, Spondylosis, Degenerative Disc Disease, Vertebral Fracture

IRF Considerations - Etiologic

Primarily Etiologic in

- **Pain**
 - **7.1-7.9 - Spondylosis, Intervertebral Disc Disorder, Spinal Stenosis**

IRF Considerations – 60%

- **PASS** - Specific locations of Arthropathy, RA and Primary/ Secondary OA, dermatopolymyositis with respiratory/organ involvement and myositis, ankylosing spondylitis, vertebral or anterior spinal artery compression syndromes, spondylopathy and cervical disc disorder with myelopathy
- **Non-Traumatic Spine Fails with** spinal stenosis, subluxation/osseous/connective tissue / intervertebral disc stenosis of neural canal or foramina
- **8.51-8.72 Pass without exemption (8.51, 8.61, 8.71 has age requirement)**
- **Fracture, Other Ortho, Other Neuro and Pain IGC's - Fail without Passing Diagnosis**

IRF Considerations – Tiers

D Tier

- Lethal midline granuloma
 - No RIC Exclusions

- Quiz
- Activities
- Revisit Recordings
- Community Check-In

What are your ongoing challenges, post in the community?



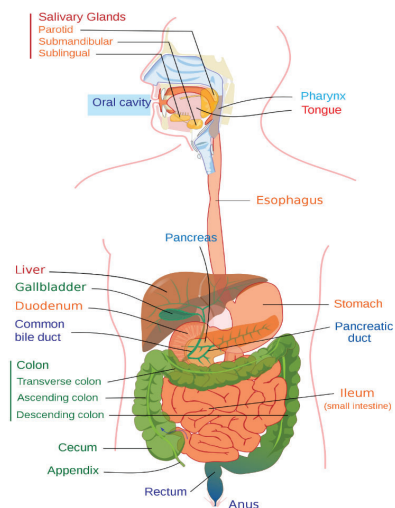
Session 8 –
 Ch 11 Digestive
 Ch 14 Genitourinary
 Ch 17 Congenital
 Ch 19 Injuries/Poisonings



Chapter 11 - Diseases of the Digestive System

This chapter contains the following blocks:

- K00-K14 Diseases of oral cavity and salivary glands
- K20-K31 Diseases of esophagus, stomach and duodenum
- K35-K38 Diseases of appendix
- K40-K46 Hernia
- K50-K52 Noninfective enteritis and colitis
- K55-K64 Other diseases of intestines
- K65-K68 Diseases of peritoneum and retroperitoneum
- K70-K77 Diseases of liver
- K80-K87 Disorders of gallbladder, biliary tract and pancreas
- K90-K95 Other diseases of the digestive system



No Specific Detailed Guidelines

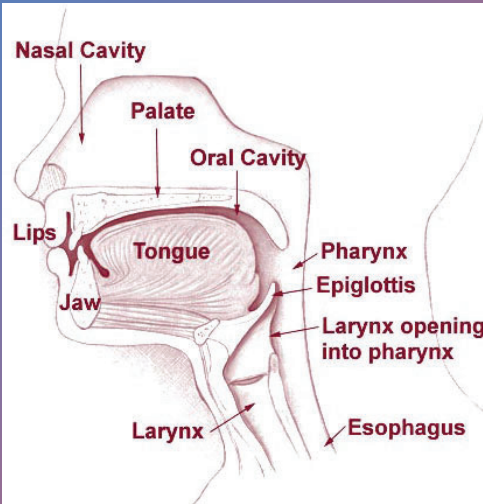
11. Chapter 11: Diseases of the Digestive System (K00-K95) Reserved for future guideline expansion

Activity

A patient is seen by the physician complaining of heart burn, the physician's diagnosis is Gastro-esophageal reflux disease with esophagitis

Diseases of Esophagus

- Esophagitis
- GERD
- Achalasia of cardia
- Ulcer of esophagus
- Esophageal obstruction
- Perforation of esophagus
- Dyskinesia of esophagus
- Acquired Diverticulum of esophagus
- Gastro-esophageal laceration-hemorrhage syndrome
- Barrett's esophagus



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Activity

A patient is seen by his physician and is diagnosed with Barrett's esophagus with high grade dysplasia

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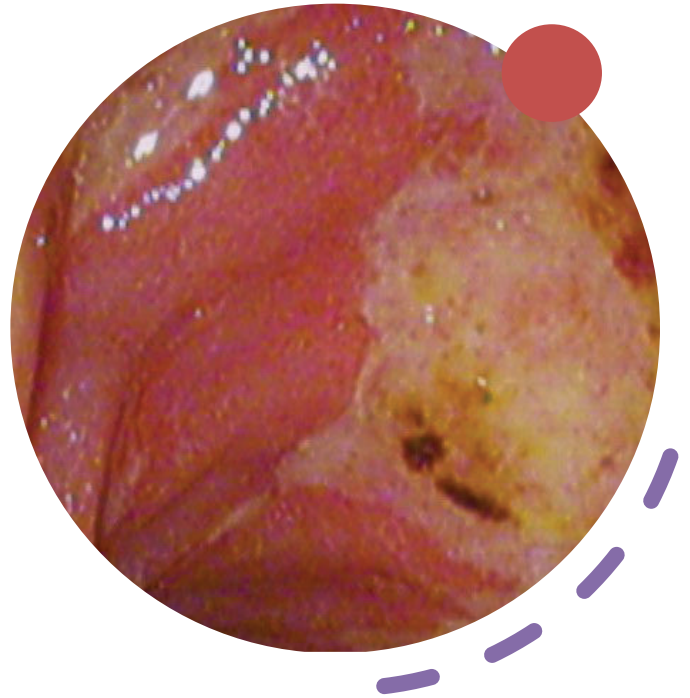
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Gastrointestinal Ulcers

- K25 - Gastric
- K26 - Duodenal
- K27 - Peptic
- K28 - Gastrojejunal

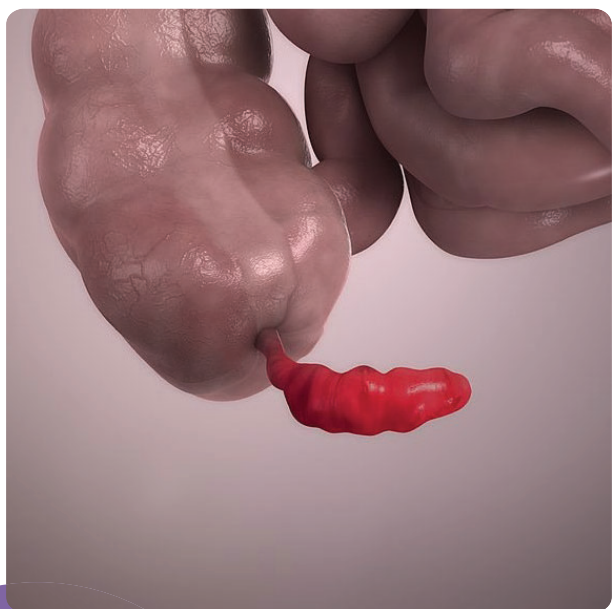


Gastritis and Duodenitis (K29)

Specify Type

- Acute gastritis
- Alcoholic gastritis
- Chronic superficial gastritis
- Chronic atrophic gastritis
- Unspecified chronic gastritis
- Other gastritis
- Gastritis, unspecified
- Duodenitis
- Gastroduodenitis, unspecified

Specify w/w/o bleeding



Appendicitis

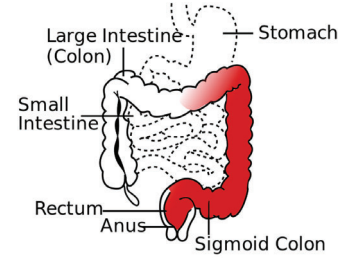
- K35 - Acute
 - Specify type
 - Specify w/w/o perforation
- K36 - Other Appendicitis
 - Includes chronic/recurrent
- K37 - Unspecified

Hernia (K40-K46)

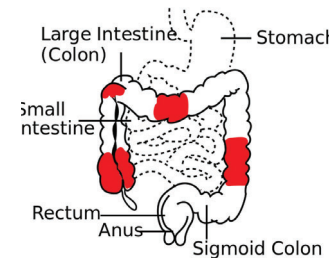
- Specify Type
 - Inguinal (further specified as bilateral or unilateral)
 - Femoral (bilateral or unilateral)
 - Umbilical
 - Ventral (further specified as incisional, parastomal or other/unspecified)
 - Diagrammatic
 - Other abdominal
 - Unspecified abdominal
- Specify
 - with obstruction, without gangrene
 - with gangrene
 - without obstruction or gangrene
- Inguinal and femoral
 - Specify as recurrent or not recurrent

Crohn's and Ulcerative Colitis

- K50 - Crohn's Disease
 - Specify location
 - Specify with or without complications
 - Specify type of complication
- K51 - Ulcerative Colitis
 - Specify type
 - Specify with or without complications
 - Specify type of complication



Colitis ulcerosa



Crohn's Disease

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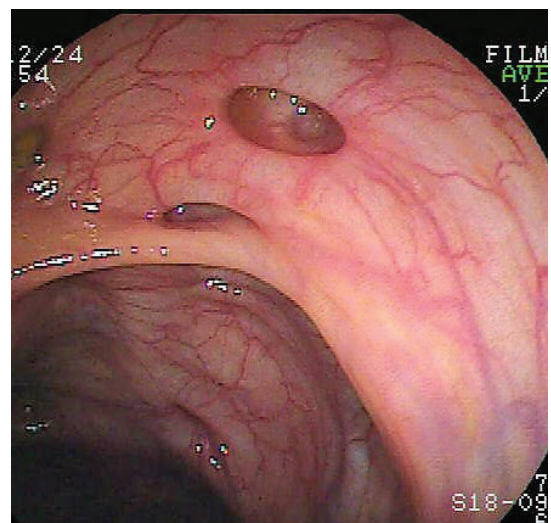
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Diverticular Disease of Intestine (K57)

- Specify location
 - Small intestine
 - Large intestine
 - Both
 - Unspecified
- Specify w/w/o perforation and abscess
- Specify w/w/o bleeding




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Alcoholic Liver Disease (K70)

Specify Type

- Alcoholic fatty liver
- Alcoholic hepatitis
 - Specify w/w/o ascites
- Alcoholic fibrosis and sclerosis of liver
- Alcoholic cirrhosis of liver
 - Specify w/w/o ascites
- Alcoholic hepatic failure
 - Specify w/w/o coma
- Unspecified

Activity

- Alcoholic cirrhosis gave up drinking 1 year ago
- Acute gastritis with hemorrhage

Hepatic Failure (K72)

Specify Type

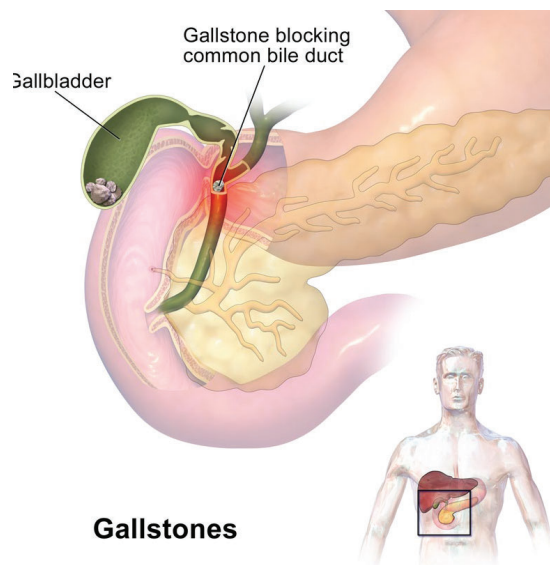
- Acute or subacute
- Chronic
- Unspecified

Specify w/w/o coma

Hepatic Encephalopathy (K76.82)

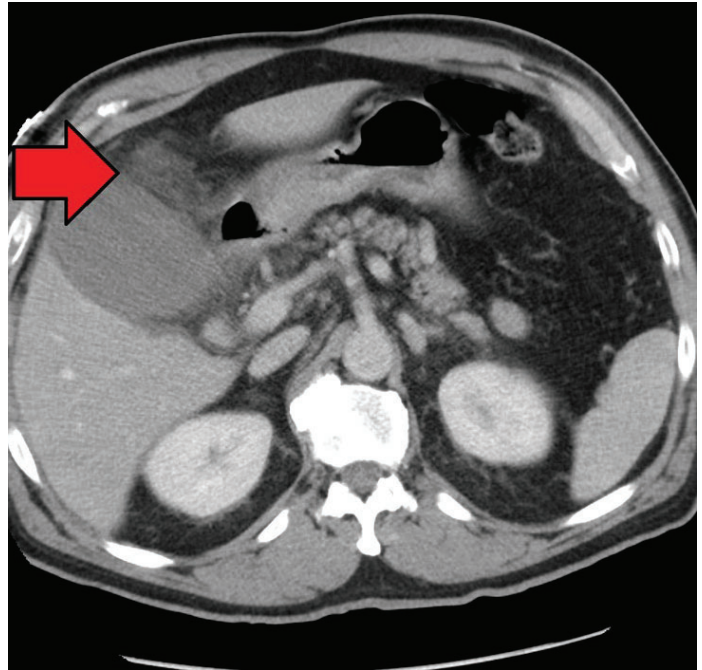
Gallstones (K80)

- Specify Type
 - Calculus of gallbladder, bile duct or both
- Specify if with or without
 - Cholecystitis or cholangitis
 - Specify acute, chronic, acute and chronic or unspecified
- Specify as w/w/o obstruction



Cholecystitis (K81)

- Specify Type
 - Acute
 - Chronic
 - Acute with Chronic
 - Unspecified



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IRF Considerations - Etiologic

Primarily Etiologic in

- Brain
 - 2.1 - NT Brain
 - Hepatic Encephalopathy
- Debility
 - 16 - Hernia
 - Crohn's disease, diverticulitis, cholelithiasis, cirrhosis of liver, hepatic failure, GI ulcer with perforation and/or bleeding, appendicitis; etc.

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IRF Considerations – 60%

- No Diagnoses that cause 60%
- None cause to FAIL

IRF Considerations – Tiers

C Tier

- Post surgical malabsorption
 - No RIC Exclusion

D Tier

- Cellulitis and abscess of mouth
- Perforation of esophagus
- GI Ulcer w/ hemorrhage, perforation or both
- Gastritis w/ bleeding
- Duodenitis w/ bleeding

IRF Considerations – Tiers

D Tier

- Gastroduodenitis w/bleeding
- Fistula of stomach and duodenum
- Angiodysplasia of stomach and duodenum with bleeding
- Dieulafoy lesion (hemorrhagic) of stomach and duodenum
- Acute appendicitis with generalized peritonitis
- Eosinophilic gastritis or gastroenteritis
- Ischemia or infarction of small or large intestine
- Diverticulosis/ Diverticulitis of small or large intestine w/ bleeding

IRF Considerations – Tiers

D Tier

- Perforation of intestine (nontraumatic)
- Peritonitis
- Postprocedural or other retroperitoneal abscess
- Acute and subacute hepatic failure
- Abscess of liver
- Central hemorrhagic necrosis of liver
- Cholecystitis w/ gangrene or perforation of gallbladder
- Infarction of liver
- Hepatorenal syndrome

IRF Considerations – Tiers

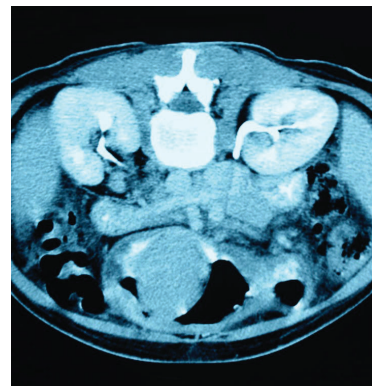
D Tier

- Perforation of gallbladder or bile duct
- Cyst or pseudocyst of pancreas
- Colostomy complications
- Enterostomy complications

Chapter 14 - Diseases of the Genitourinary System

This chapter contains the following blocks:

N00-N08	Glomerular diseases
N10-N16	Renal tubulo-interstitial diseases
N17-N19	Acute kidney failure and chronic kidney disease
N20-N23	Urolithiasis
N25-N29	Other disorders of kidney and ureter
N30-N39	Other diseases of the urinary system
N40-N53	Diseases of male genital organs
N60-N65	Disorders of breast
N70-N77	Inflammatory diseases of female pelvic organs
N80-N98	Noninflammatory disorders of female genital tract
N99-N99.89	Intraoperative and postprocedural complications and disorders of genitourinary system, not elsewhere classified



Types of Renal Failure and Insufficiencies

N18 - Chronic kidney disease (CKD)

- Stage important

N17.9 - Acute kidney injury

- Reported as acute kidney failure, NOS

N18.9 - Chronic renal insufficiency

- Reported as CKD, unspecified

N28.9 - Acute renal insufficiency/renal disease

- Reported as disorder of kidney and ureter, unspecified

N18.6 - ESRD (Requires dialysis status code)

- Both CKD & ESRD documented, report only ESRD

Acute Kidney Failure (N17)

- Specified by type
 - w/ tubular necrosis
 - w/ acute cortical necrosis
 - w/ medullary necrosis
 - Other
 - Unspecified

❖ Code also associated underlying condition



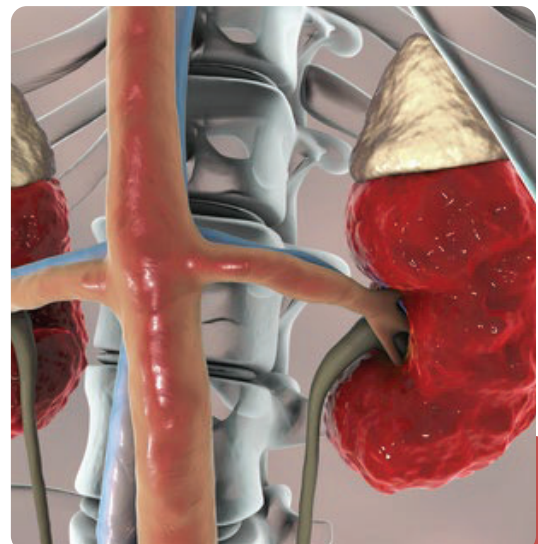
Ch 14 Diseases of Genitourinary System CKD Guidelines (I.C.14.a)

ICD-10-CM classifies CKD based on severity

If both a stage of CKD and ESRD are documented, assign code N18.6

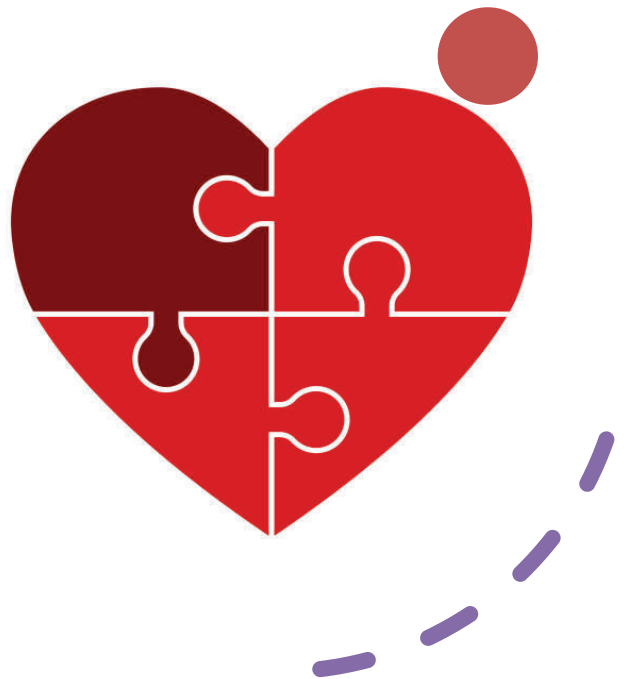
Chronic Kidney Disease (N18)

- **Specify Stage**
 - Stage 1
 - Stage 2
 - Stage 3 - further specify
 - 3a
 - 3b
 - Unspecified
 - Stage 4
 - Stage 5
 - ESRD
 - Report dialysis status if appropriate



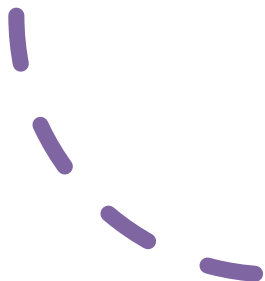
ICD-10-CM Guidelines for Hypertensive CKD (I.9.a.2 & 3)

- Assume Relationship
 - I12 - Hypertensive chronic kidney disease
 - I13 - Hypertensive heart and chronic kidney disease, when both hypertensive kidney disease and hypertensive heart disease are stated in the diagnosis



ICD-10-CM Guidelines Kidney Transplant Complications

- T86.1 - should be assigned for documented complications of a kidney transplant (e.g., transplant failure or rejection)
 - Should not be assigned for post kidney transplant patients who have CKD unless a transplant complication such as transplant failure or rejection is documented



Diabetes and CKD

- E08.2 - DM due to underlying condition w/kidney complications
- E09.2 - Drug/chemical induced DM w/kidney complications
- E10.2 - Type 1 DM w/kidney complications
- E11.2 - Type 2 DM w/kidney complications
- E13.2 - Other specified DM w/ kidney complications



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Activity

- A patient admitted to rehab for a left MCA stroke with comorbidities of diabetes and chronic kidney disease, stage 3. The patient has type 2 diabetes and takes insulin daily
- Same scenario add hypertension and CHF, COPD with exacerbation
- Patient with pathologic fracture of the femur shaft due to neoplasm and acute renal failure on top of stage 3 CKD

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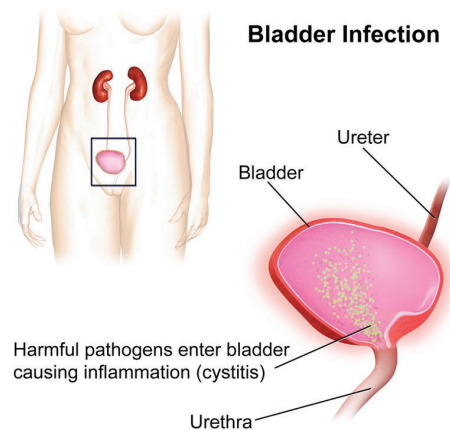
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Urolithiasis

- N20 - Calculus of kidney and ureter
 - Specify Location
- N21 - Calculus of lower urinary tract
 - Specify Location
- N22 - Calculus of urinary tract in diseases classified elsewhere
- N23 - Unspecified renal colic

Cystitis and UTIs

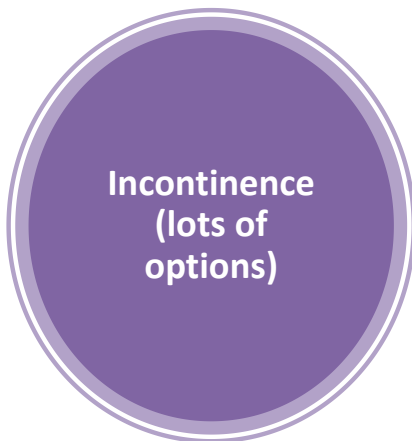
- N30 - Cystitis
 - Further Specify Type
 - Specify w/w/o hematuria
 - Identify infectious agent, if known
- N39.0 - Urinary tract infection
 - Identify infectious agent, if known
 - Urosepsis codes to UTI



Neuromuscular Dysfunction of Bladder (N31)

- N31.0 - Uninhibited neuropathic bladder, NEC
- N31.1 - Reflex neuropathic bladder, NEC
- N31.2 - Flaccid neuropathic bladder, NEC
- N31.8 - Other neuromuscular dysfunction of bladder
- N31.9 - Neuromuscular dysfunction of bladder, unspecified

❖ Use additional code to identify any associated urinary incontinence



N39.3 - Stress incontinence

N39.41 - Urge incontinence

N39.42 - w/o sensory awareness

N39.43 - Post-void dribbling

N39.44 - Nocturnal enuresis

N39.45 - Continuous leakage

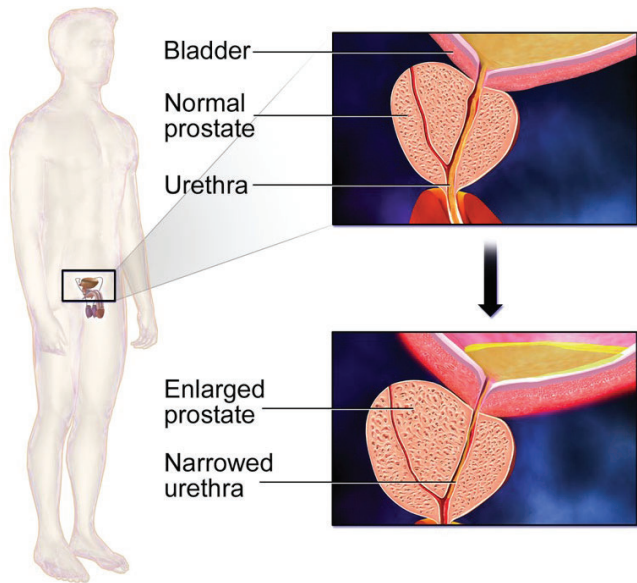
N39.46 - Mixed incontinence

N39.490 - Overflow incontinence

N39.491 - Coital incontinence

N39.492 - Postural incontinence

N39.498 - Other specified incontinence



Benign Prostatic Hyperplasia (BPH)

Benign Prostatic Hyperplasia (N40)

- Specified by type
 - Benign prostatic hyperplasia
 - Nodular prostate
- Specify w/w/o lower urinary tract symptoms
 - If w/ symptoms use an additional code to identify symptoms

Activity

- Male patient 56 years old admitted following pathologic fractures at C4, C5, C6 and C7 due to bone cancer. Patient has neurogenic bowel and bladder, UTI due to pseudomonas and hypertension



IRF Considerations - Etiologic

- Primarily Etiologic in
 - Debility
 - 16 - CKD, ESRD, Acute renal failure, UTI

IRF Considerations – 60%

- No diagnoses that cause 60%
- None cause to FAIL

IRF Considerations – Tiers

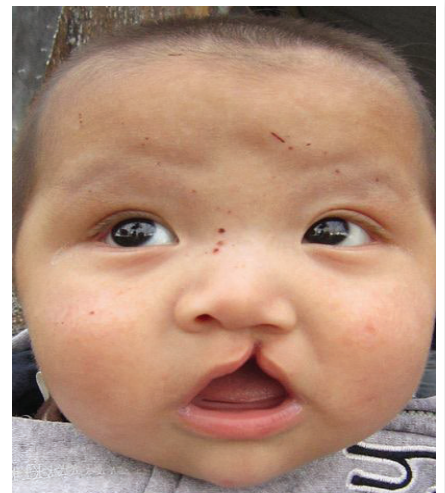
D Tier

- Acute nephritic syndrome
- Rapidly progressive nephritic syndrome
- Renal and perinephric abscess
- Acute kidney failure
- DM w/diabetic nephropathy
- DM w/CKD
- HTN CKD Stage 5/ESRD
- HTN CKD and CHF

Chapter 17 - Congenital Malformations, Deformations and Chromosomal Abnormalities

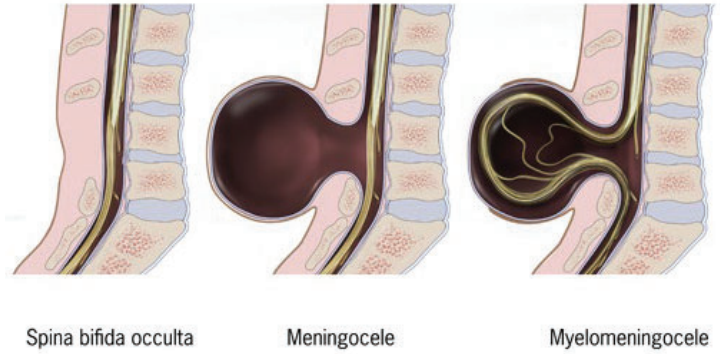
This chapter contains the following blocks:

Q00-Q07	Congenital malformations of the nervous system
Q10-Q18	Congenital malformations of eye, ear, face and neck
Q20-Q28	Congenital malformations of the circulatory system
Q30-Q34	Congenital malformations of the respiratory system
Q35-Q37	Cleft lip and cleft palate
Q38-Q45	Other congenital malformations of the digestive system
Q50-Q56	Congenital malformations of genital organs
Q60-Q64	Congenital malformations of the urinary system
Q65-Q79	Congenital malformations and deformations of the musculoskeletal system
Q80-Q89	Other congenital malformations
Q90-Q99	Chromosomal abnormalities, not elsewhere classified
QA0-QA0	Genetics disorders, not elsewhere classified



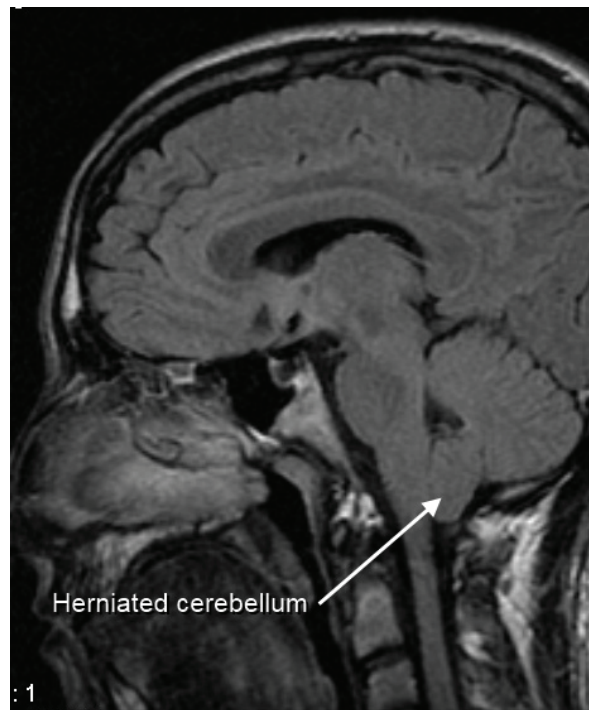
Spina Bifida (Q05)

- Specified by type
 - Cervical
 - Thoracic
 - Lumbar
 - Sacral
 - Unspecified
- Specified as w/w/o hydrocephalus



Arnold-Chiari Syndrome (Q07.0)

- **Codes specified as**
 - w/o spina bifida or hydrocephalus
 - w/spina bifida
 - w/hydrocephalus
 - w/spina bifida and hydrocephalus



Congenital Deformities of Hip (Q65)

- **Specified by Type:**
 - Congenital dislocation
 - Specify laterality
 - Congenital partial dislocation
 - Specify laterality
 - Congenital unstable hip
 - Congenital coxa valga
 - Congenital coxa vara
 - Other specified congenital deformities of hip
 - Congenital deformity of hip, unspecified

Congenital Deformities of Feet (Q66)

Specify Type

- talipes equinovarus (club foot)
- talipes calcaneovarus
- metatarsus (primus) varus
- metatarsus adductus
- other congenital varus deformities of feet
- talipes calcaneovalgus
- pes planus (flat foot)
- other congenital valgus deformities of feet
- pes cavus (high arch)
- vertical talus deformity
- other specified congenital deformities of feet

Specify Laterality

Congenital Malformations of Spine (Q76)

Q76.0 - Spina bifida occulta

Q76.1 - Klippel-Feil syndrome

Q76.2 - Congenital spondylolisthesis

Q76.3 - Congenital scoliosis due to congenital bony malformation

Q76.41 - Congenital kyphosis

• *further specified by spinal region*

Q76.42 - Congenital lordosis

• *further specified by spinal region*

Q76.49 - Other congenital malformations of spine, not associated with scoliosis

Down syndrome (Q90)

- Trisomy 21, nonmosaicism (meiotic nondisjunction)
 - Trisomy 21, mosaicism (mitotic nondisjunction)
 - Trisomy 21, translocation
 - Down syndrome, unspecified
- ❖ *Use an additional code(s) to identify any associated physical conditions and degree of intellectual disabilities (F70-F79)*



IRF Considerations - Etiologic

- Primarily Etiologic in
 - Congenital deformities (All congenital deformities go here)
 - **12** - Spina Bifida, Arnold-Chiari syndrome, encephalocele, congenital hydrocephalus, congenital dislocation of Hip, congenital lordosis, congenital kyphosis, etc.

IRF Considerations – 60%

- None cause to FAIL
- Diagnoses that cause 60%
 - Craniorachischisis
 - Iniencephaly
 - Encephalocele
 - Microcephaly
 - Malformations of aqueduct of Silvius
 - Atresia of foramina of Magendie and Luschka

IRF Considerations – 60%

- Diagnoses that cause 60%
 - Hydrocephalus
 - Congenital malformations of corpus callosum
 - Arhinencephaly
 - Holoprosencephaly
 - Septo-optic dysplasia of brain
 - Megalencephaly
 - Congenital cerebral cysts
 - Spina bifida

IRF Considerations – 60%

- **Diagnoses that cause 60%**
 - Amyelia
 - Hypoplasia and dysplasia of spinal cord
 - Diastematomyelia
 - Hydromyelia
 - Arnold-Chiari syndrome
 - Congenital dislocation of hip
 - Congenital unstable hip
 - Congenital coxa valga and coxa vara
 - Congenital absence of limb

IRF Considerations – 60%

- Diagnoses that cause 60%
 - Longitudinal reduction defect
 - Congenital shortening of limb
 - Split foot
 - Achondrogenesis
 - Thanatophoric short stature
 - Chondrodysplasia punctata
 - Achondroplasia
 - Diastrophic dysplasia

IRF Considerations – 60%

- Diagnoses that cause 60%
 - Chondroectodermal dysplasia
 - Spondyloepiphyseal dysplasia
 - Osteogenesis imperfecta
 - Polyostotic fibrous dysplasia
 - Osteopetrosis
 - Progressive diaphyseal dysplasia

IRF Considerations – Tiers

- No Tier Diagnosis

This chapter contains the following blocks:

S00-S09	Injuries to the head
S10-S19	Injuries to the neck
S20-S29	Injuries to the thorax
S30-S39	Injuries to the abdomen, lower back, lumber spine, pelvis and external genitals
S40-S49	Injuries to the shoulder and upper arm
S50-S59	Injuries to the elbow and forearm
S60-S69	Injuries to the wrist, hand and fingers
S70-S79	Injuries to the hip and thigh
S80-S89	Injuries to the knee and lower leg
S90-S99	Injuries to the ankle and foot
T07-T07	Injuries involving multiple body regions
T14-T14.91	Injury of unspecified body region
T15-T19	Effects of foreign body entering through natural orifice
T20-T32	Burns and corrosions
T33-T34	Frostbite
T36-T50	Poisoning by, adverse effects of and underdosing of drugs, medicaments and biological substances
T51-T65	Toxic effects of substances chiefly nonmedicinal as to source
T66-T78	Other and unspecified effects of external causes
T79-T79.A9XS	Certain early complications of trauma
T80-T88	Complications of surgical and medical care, not elsewhere classified

Chapter 19 - Injury, Poisoning and Certain Other Consequences of External Causes

Ch 19 Guidelines – Use of 7th Character

7th character in most codes

- “A” - Active Treatment
- “D” - Routine care following active treatment (e.g., cast change, medication adjustment, removal of internal/external fixator, aftercare)
- “S” - Identifies injury w/sequelae, 2nd code needed to describe sequelae itself, sequelae listed 1st

“Z” Aftercare not needed when 7th character describes

See Guideline I.B.10 for sequela late effects

Ch 19 Guidelines – Injuries (I.C.19.b)

Report each injury separately

Traumatic Injury codes are NOT used to describe complications of surgical wounds

Most serious injury sequenced 1st

Minor injuries part of more severe NOT reported

Examples

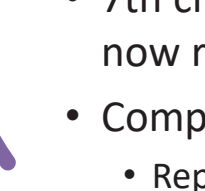
- **T84.50XA** - Infection and inflammatory reaction due to unspecified internal joint prosthesis, initial encounter

Coding Clinic, 2Q, 2016

- Right traumatic ACL tear presents for OP PT. The prescription states, “right ACL tear, right knee pain and difficulty walking”. **Report S83.511D**
- Patient to PT 10 days post D/C from hospital burn center. He had 3rd degree burns to R & L lower leg & thigh as a result of ignition of gas while refueling his car. Pt provided wound care for the burn. **Report: T24.391A, T24.392A, X04.XXXA**



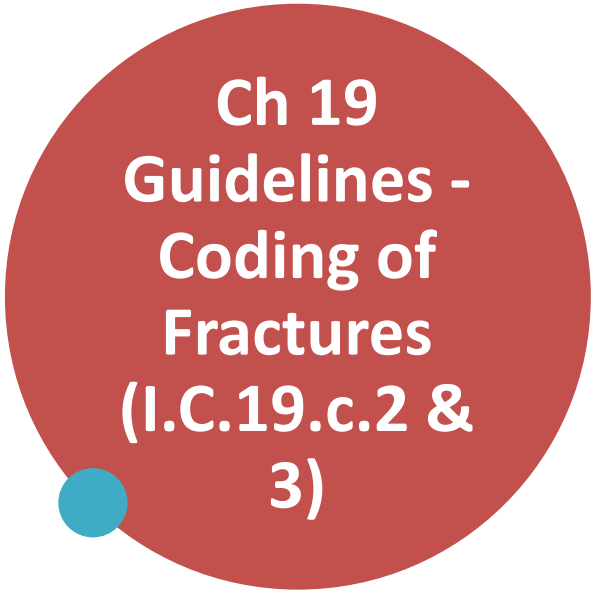
Ch 19 Guidelines - Coding of Fractures (I.C.19.c)

- S88-T88
 - Always closed and displaced, IF NOT STATED
 - 7th character A - for patients who delayed seeking treatment for fracture, malunion or non-union
 - 7th character D - for patients who completed active treatment now routine care during healing/recovery
 - Complications during healing/recovery
 - Report complication
- 




Ch 19 Guidelines - Coding of Fractures (I.C.19.c.1)

- Open fractures
 - Gustilo Classification determines code
 - Forearm, femur, lower leg, ankle
 - Gustilo not documented
 - Use open fracture type I or II (B, E, H, M, Q)
- Patients with known osteoporosis with fracture, even if from fall or trauma that would not break a normal healthy bone, assigned to M80 (not Ch.19)
 - Provider association required
- Never use Z codes for aftercare for traumatic fractures
 - 7th character describes



Ch 19 Guidelines - Coding of Fractures (I.C.19.c.2 & 3)

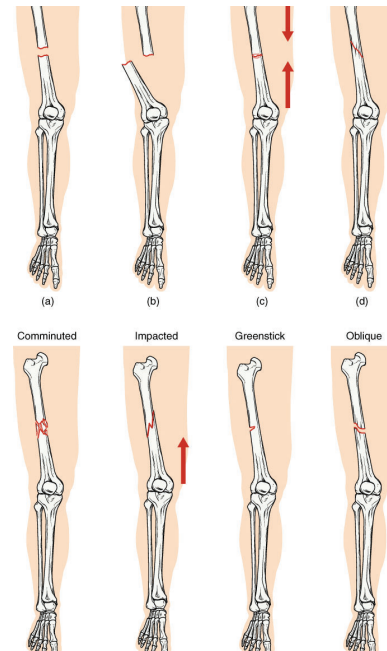
- 
- Most severe fracture sequenced first
 - Physeal fractures
 - Code type only not specific bone
 - S99.112 - Salter Harris Type I physeal fracture left metatarsal

7th Character Fractures

- A - initial encounter/closed fracture**
- B -open fracture type I or II or NOS**
- C -open fracture type IIIA, IIIB, or IIIC**
- D - subsequent encounter/closed fracture w/ routine healing**
- E -open fracture type I or II with routine healing**
- F -open fracture type IIIA, IIIB, or IIIC with routine healing**
- G -closed fracture with delayed healing**
- H -open fracture type I or II with delayed healing**
- J -open fracture type IIIA, IIIB, or IIIC with delayed healing**
- K -closed fracture with nonunion**
- M -open fracture type I or II with nonunion**
- N -open fracture type IIIA, IIIB, or IIIC with nonunion**
- P -closed fracture with malunion**
- Q -open fracture type I or II with malunion**
- R -open fracture type IIIA, IIIB, or IIIC with malunion**
- S - sequelae, sequelae listed 1st, injury with "S" listed 2nd**
- "Z" Aftercare NOT REPORTED**

Fractures

- Fracture type
- Anatomical site
- Displaced or not
- Laterality
- Healing



Activity

- Fracture left intertrochanteric hip due to fall off ladder while replacing roof shingles at home
- Non-Displaced fracture of right acetabulum
- Open fracture right tibia and fibula following car accident
- Fell out of bed in nursing home fracturing T4, T5, T6, physician stated as pathologic due to osteoporosis
- T6 unstable burst fracture from being struck on the head by a falling tree branch

Dislocation & Sprain

- Joints & Ligaments
 - By location
- Codes
 - S03, S13, S23, S33, S43, S53, S63, S93

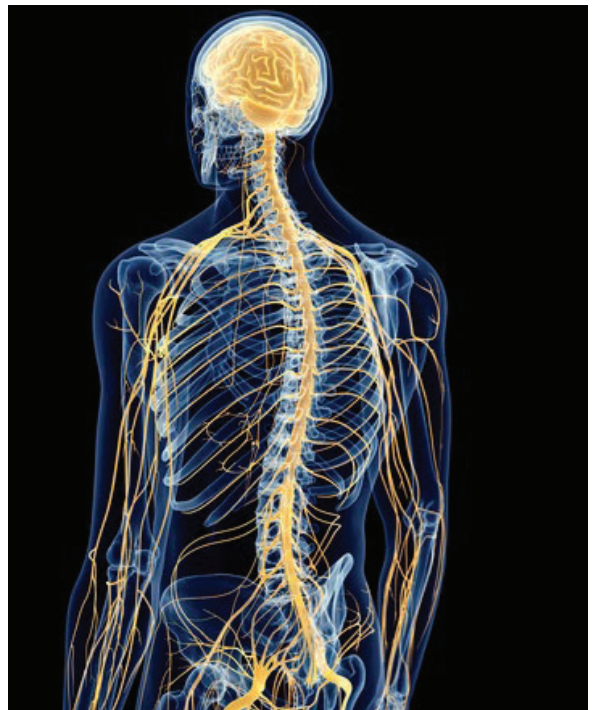


Superficial Injuries and Open Wounds

- Superficial injuries are NOT coded when associated with more severe injuries of the same site
- Laceration
 - w/w/o foreign body
- Puncture Wound
 - w/w/o foreign body
- Open Bite

Injury of Nerves

- Anatomic Regions Outside Spine
 - Location of Injury
- Spine
 - Type of Injury
 - Location
 - Highest Level of Cord Injury



Injury of Blood Vessels

- Minor laceration
- Major laceration
- Other injury
- Unspecified

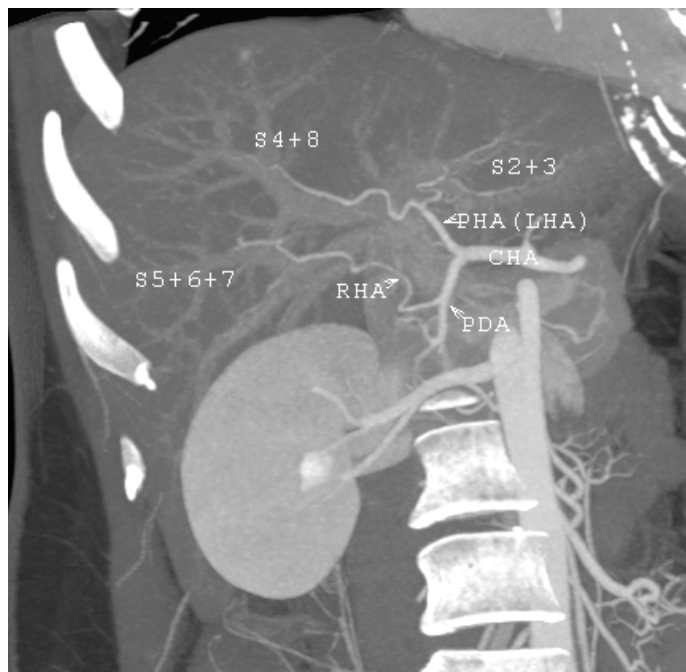
Injury of Muscle, Fascia and Tendon

- Specify type of Injury
 - Laceration
 - Strain
 - Other injury
 - Unspecified
- Specify location
 - Including laterality when appropriate



Internal Injuries

- Type of injury
 - Contusions
 - Lacerations
 - Blast Injury
 - Other and unspecified
- Location



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Internal Injuries

- By location
- Code also any associated injuries
 - Compartment syndrome (T79.A--)



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Activity

- Laceration of spleen from accident code only laceration
- Contusion of right thigh
- Sprain ankle

Traumatic Brain Injuries (S06)

Reference

- TBI
- Injury, brain (traumatic)
- Specific identified injury (e.g., concussion, traumatic SDH, contusion)
 - Intracranial
 - Specified by injury
 - Specific part of the brain
 - Length of loss of consciousness

Traumatic Brain Injuries (S06)

Continued

- Injury, location, LOC
 - Intracerebral
 - Subdural
 - Epidural
 - Subarachnoid

Activity

- Closed fracture of the skull with Traumatic SDH
- Traumatic Epidural hemorrhage
- Traumatic SAH with LOC of 32 minutes
- Concussion without mention of LOC

- Quiz
- Activities
- Revisit Recordings
- Community Check-In

How many others have you connected with in the community during this class?

