

Exercise

6

Rectectomy

see Excision, Rectum **0DBP**

see Resection, Rectum **0DTP**

Rectocele repair

see Repair, Subcutaneous Tissue and Fascia, Pelvic Region **0JQC**

see Repair, Subcutaneous Tissue and Fascia, Pelvic Region **0JQC**

Rectopexy

see Repair, Gastrointestinal System **0DQ**

see Reposition, Gastrointestinal System **0DS**

Rectoplasty

see Repair, Gastrointestinal System **0DQ**

see Supplement, Gastrointestinal System **0DU**

Rectorrhaphy see Repair, Gastrointestinal System **0DQ**

Rectoscopy 0DJ8ZZ

Rectosigmoid junction use Colon, Sigmoid

Rectosigmoidectomy

see Excision, Gastrointestinal System **0DB**

see Resection, Gastrointestinal System **0DT**

Rectostomy see Drainage, Rectum **0D9P**

Rectotomy see Drainage, Rectum **0D9P**

Rectus abdominis muscle

use Muscle, Abdomen, Left

use Muscle, Abdomen, Right

Rectus femoris muscle

use Muscle, Upper Leg, Left

use Muscle, Upper Leg, Right

Recurrent laryngeal nerve use Nerve, Vagus

Reduction

Dislocation see Reposition

Fracture see Reposition

Intussusception, intestinal see Reposition, Gastrointestinal System **0DS**

Mammoplasty see Excision, Skin and Breast **0HB**

Prolapse see Reposition

Torsion see Reposition

Volvulus, gastrointestinal see Reposition, Gastrointestinal System

0DS

Refusion see Fusion

Reimplantation

see Reposition

see Transfer

see Reattachment

Reinforcement

see Repair

see Supplement

Relaxation, scar tissue see Release

Release

Acetabulum

Left **0QN5**

Right **0QN4**

Adenoids **0CNO**

Ampulla of Vater **0FNC**

Anal Sphincter **0DNR**

Anterior Chamber

Left **08N33ZZ**

Right **08N23ZZ**

Anus **0DNQ**

Aorta

Abdominal **04NO**

Thoracic **02NW**

Aortic Body **0GND**

Appendix **0DNJ**

Release continued

Artery

Anterior Tibial

Left **04NQ**

Right **04NP**

Axillary

Left **03N6**

Right **03N5**

Brachial

Left **03N8**

Right **03N7**

Celiac **04N1**

Colic

Left **04N7**

Middle **04N8**

Right **04N6**

Common Carotid

Left **03NJ**

Right **03NH**

Common Iliac

Left **04ND**

Right **04NC**

External Carotid

Left **03NN**

Right **03NM**

External Iliac

Left **04NJ**

Right **04NH**

Face **03NR**

Femoral

Left **04NL**

Right **04NK**

Foot

Left **04NW**

Right **04NV**

Gastric **04N2**

Hand

Left **03NF**

Right **03ND**

Hepatic **04N3**

Inferior Mesenteric **04NB**

Innominate **03N2**

Internal Carotid

Left **03NL**

Right **03NK**

Internal Iliac

Left **04NF**

Right **04NE**

Internal Mammary

Left **03N1**

Right **03NO**

Intracranial **03NG**

Lower **04NY**

Peroneal

Left **04NU**

Right **04NT**

Popliteal

Left **04NN**

Right **04NM**

Posterior Tibial

Reposition *continued*

Coccyx **QOSS**
 Colon
 Ascending **ODSK**
 Descending **ODSM**
 Sigmoid **ODSN**
 Transverse **ODSL**
 Cord
 Bilateral **OVSH**
 Left **OVSG**
 Right **OVSF**
 Cul-de-sac **OUSF**
 Diaphragm
 Left **OBSSOZZ**
 Right **OBSSROZZ**
 Duct
 Common Bile **OFS9**
 Cystic **OFS8**
 Hepatic
 Left **OFS6**
 Right **OFS5**
 Lacrimal
 Left **OBSY**
 Right **OBSX**
 Pancreatic **OFS0**
 Accessory **OFSF**
 Parotid
 Left **OCSC**
 Right **OCSE**
 Duodenum **ODS9**
 Ear
 Bilateral **O9S2**
 Left **O9S1**
 Right **O9S0**
 Epiglottis **OCSR**
 Esophagus **ODS5**
 Eustachian Tube
 Left **O9SG**
 Right **O9SF**
 Eyelid
 Lower
 Left **O8SR**
 Right **O8SQ**
 Upper
 Left **O8SP**
 Right **O8SN**
 Fallopian Tube
 Left **OUS6**
 Right **OUS5**
 Fallopian Tubes, Bilateral **OUS7**
 Femoral Shaft
 Left **OQS9**
 Right **OQS8**
 Femur
 Lower
 Left **OQSC**
 Right **OQSB**
 Upper
 Left **OQS7**
 Right **OQS6**

Reposition *continued*

Fibula
 Left **OQSK**
 Right **OQSJ**
 Gallbladder **OFS4**
 Gland
 Adrenal
 Left **OGS2**
 Right **OGS3**
 Lacrimal
 Left **O8SW**
 Right **O8SV**
 Glenoid Cavity
 Left **OPSD**
 Right **OPSE**
 Hair **OHSSXZZ**
 Humeral Head
 Left **OPSD**
 Right **OPSE**
 Humeral Shaft
 Left **OPSG**
 Right **OPSF**
 Ileum **ODSB**
 Iris
 Left **O8SD3ZZ**
 Right **O8SC3ZZ**
 Jejunum **ODSA**
 Joint
 Acromioclavicular
 Left **ORSH**
 Right **ORSG**
 Ankle
 Left **OSSG**
 Right **OSSF**
 Carpal
 Left **ORSR**
 Right **ORSQ**
 Cervical Vertebral **ORS1**
 Cervicothoracic Vertebral **ORS4**
 Coccygeal **OSS6**
 Elbow
 Left **ORSM**
 Right **ORSL**
 Finger Phalangeal
 Left **ORSX**
 Right **ORSW**
 Hip
 Left **OSSB**
 Right **OSS9**
 Knee
 Left **OSSD**
 Right **OSSC**
 Lumbar Vertebral **OSS0**
 Lumbosacral **OSS3**
 Metacarpocarpal
 Left **ORST**
 Right **ORSS**
 Metacarpophalangeal
 Left **ORSV**
 Right **ORSU**

Section 0 Medical and Surgical Body System Q Lower Bones Operation S Reposition: Moving to its normal location, or other suitable location, all or a portion of a body part			
<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
0 Lumbar Vertebra 1 Sacrum 4 Acetabulum, Right 5 Acetabulum, Left S Coccyx	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	4 Internal Fixation Device Z No Device	Z No Qualifier
0 Lumbar Vertebra 1 Sacrum 4 Acetabulum, Right 5 Acetabulum, Left S Coccyx	X External	Z No Device	Z No Qualifier
2 Pelvic Bone, Right 3 Pelvic Bone, Left D Patella, Right F Patella, Left L Tarsal, Right M Tarsal, Left N Metatarsal, Right P Metatarsal, Left Q Toe Phalanx, Right R Toe Phalanx, Left	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	4 Internal Fixation Device Z No Device	Z No Qualifier
2 Pelvic Bone, Right 3 Pelvic Bone, Left D Patella, Right F Patella, Left L Tarsal, Right M Tarsal, Left N Metatarsal, Right P Metatarsal, Left Q Toe Phalanx, Right R Toe Phalanx, Left	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	5 External Fixation Device	3 Monoplanar 4 Ring 5 Hybrid Z No Qualifier

0QS (continued)

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Section 0 Medical and Surgical Body System Q Lower Bones Operation S Reposition: Moving to its normal location, or other suitable location, all or a portion of a body part			
<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
2 Pelvic Bone, Right 3 Pelvic Bone, Left D Patella, Right F Patella, Left L Tarsal, Right M Tarsal, Left N Metatarsal, Right P Metatarsal, Left Q Toe Phalanx, Right R Toe Phalanx, Left	X External	Z No Device	Z No Qualifier
6 Upper Femur, Right 7 Upper Femur, Left 8 Femoral Shaft, Right 9 Femoral Shaft, Left B Lower Femur, Right C Lower Femur, Left G Tibia, Right H Tibia, Left J Fibula, Right K Fibula, Left	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	4 Internal Fixation Device 6 Intramedullary Fixation Device Z No Device	Z No Qualifier
6 Upper Femur, Right 7 Upper Femur, Left 8 Femoral Shaft, Right 9 Femoral Shaft, Left B Lower Femur, Right C Lower Femur, Left G Tibia, Right H Tibia, Left J Fibula, Right K Fibula, Left	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	5 External Fixation Device	3 Monoplanar 4 Ring 5 Hybrid Z No Qualifier

Exercise

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Resection continuedBursa and Ligament *continued*Shoulder *continued*Right **OMT1**

Thorax

Left **OMTG**Right **OMTF**

Trunk

Left **OMTD**Right **OMTC**

Upper Extremity

Left **OMTB**Right **OMT9**

Wrist

Left **OMT6**Right **OMT5**Carina **OBT2**Carotid Bodies, Bilateral **OGT8**

Carotid Body

Left **OGT6**Right **OGT7**

Carpal

Left **OPTN0ZZ**Right **OPTM0ZZ**Cecum **ODTH**Cerebral Hemisphere **00T7**Cervix **OUTC**Chordae Tendineae **02T9**Cisterna Chyli **07TL**

Clavicle

Left **OPTB0ZZ**Right **OPT90ZZ**Clitoris **OUTJ**Coccygeal Glomus **0GTB**Coccyx **0QTS0ZZ**

Colon

Ascending **ODTK**Descending **ODTM**Sigmoid **ODTN**Transverse **ODTL**Conduction Mechanism **02T8**

Cord

Bilateral **0VTH**Left **0VTG**Right **0VTF**

Cornea

Left **08T9XZZ**Right **08T8XZZ**Cul-de-sac **OUTF**

Diaphragm

Left **0BTS**Right **0BTR**

Disc

Cervical Vertebral **0RT30ZZ**Cervicothoracic Vertebral **0RT50ZZ**Lumbar Vertebral **0ST20ZZ**Lumbosacral **0ST40ZZ**Thoracic Vertebral **0RT90ZZ**Thoracolumbar Vertebral **0RTB0ZZ**

Duct

Resection continuedDuct *continued*Common Bile **0FT9**Cystic **0FT8**

Hepatic

Left **0FT6**Right **0FT5**

Lacrimal

Left **08TY**Right **08TX**Pancreatic **0FTD**Accessory **0FTF**

Parotid

Left **0CTC0ZZ**Right **0CTB0ZZ**Duodenum **0DT9**

Ear

External

Left **09T1**Right **09T0**

Inner

Left **09TE0ZZ**Right **09TD0ZZ**

Middle

Left **09T60ZZ**Right **09T50ZZ**

Epididymis

Bilateral **0VTL**Left **0VTK**Right **0VTJ**Epiglottis **0CTR**Esophagogastric Junction **0DT4**Esophagus **0DTS**Lower **0DT3**Middle **0DT2**Upper **0DT1**

Eustachian Tube

Left **09TG**Right **09TF**

Eye

Left **08T1XZZ**Right **08TOXZZ**

Eyelid

Lower

Left **08TR**Right **08TO**

Upper

Left **08TP**Right **08TN**

Fallopian Tube

Left **0UT6**Right **0UT5**Fallopian Tubes, Bilateral **0UT7**

Femoral Shaft

Left **0QT90ZZ**Right **0QT80ZZ**

Femur

Lower

Left **0QTC0ZZ**Right **0QTB0ZZ**

<i>Section</i>	0 Medical and Surgical		
<i>Body System</i>	D Gastrointestinal System		
<i>Operation</i>	T Resection: Cutting out or off, without replacement, all of a body part		
<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
1 Esophagus, Upper 2 Esophagus, Middle 3 Esophagus, Lower 4 Esophagogastric Junction 5 Esophagus 6 Stomach 7 Stomach, Pylorus 8 Small Intestine 9 Duodenum A Jejunum B Ileum C Ileocecal Valve E Large Intestine F Large Intestine, Right G Large Intestine, Left H Cecum J Appendix K Ascending Colon L Transverse Colon M Descending Colon N Sigmoid Colon P Rectum Q Anus	0 Open 4 Percutaneous Endoscopic 7 Via Natural or Artificial Opening 8 Via Natural or Artificial Opening Endoscopic	Z No Device	Z No Qualifier
R Anal Sphincter S Greater Omentum T Lesser Omentum	0 Open 4 Percutaneous Endoscopic	Z No Device	Z No Qualifier

Exercise

8

Extraction continuedBursa and Ligament *continued*Shoulder *continued*Right **0MD1**

Thorax

Left **0MDG**Right **0MDF**

Trunk

Left **0MDD**Right **0MDC**

Upper Extremity

Left **0MDB**Right **0MD9**

Wrist

Left **0MD6**Right **0MD5**Cerebral Meninges **00D1**

Cornea

Left **08D9XZ**Right **08D8XZ**Dura Mater **00D2**Endometrium **00DB**Finger Nail **0HDQXZZ**Hair **0HDSXZZ**

Kidney

Left **0TD1**Right **0TD0**

Lens

Left **08DK3ZZ**Right **08DJ3ZZ**

Nerve

Abdominal Sympathetic **01DM**Abducens **00DL**Accessory **00DR**Acoustic **00DN**Brachial Plexus **01D3**Cervical **01D1**Cervical Plexus **01D0**Facial **00DM**Femoral **01DD**Glossopharyngeal **00DP**Head and Neck Sympathetic **01DK**Hypoglossal **00DS**Lumbar **01DB**Lumbar Plexus **01D9**Lumbar Sympathetic **01DN**Lumbosacral Plexus **01DA**Median **01D5**Oculomotor **00DH**Olfactory **00DF**Optic **00DG**Peroneal **01DH**Phrenic **01D2**Pudendal **01DC**Radial **01D6**Sacral **01DR**Sacral Plexus **01DQ**Sacral Sympathetic **01DP**Sciatic **01DF**Thoracic **01D8****Extraction continued**Nerve *continued*Thoracic Sympathetic **01DL**Tibial **01DG**Trigeminal **00DK**Trochlear **00DJ**Ulnar **01D4**Vagus **00DQ**Ova **0UDN**

Pleura

Left **0BDP**Right **0BDN**

Products of Conception

Classical **10D00Z0**Ectopic **10D2**Extraperitoneal **10D00Z2**High Forceps **10D07Z5**Internal Version **10D07Z7**Low Cervical **10D00Z1**Low Forceps **10D07Z3**Mid Forceps **10D07Z4**Other **10D07Z8**Retained **10D1**Vacuum **10D07Z6**Septum, Nasal **09DM**

Sinus

Accessory **09DP**

Ethmoid

Left **09DV**Right **09DU**

Frontal

Left **09DT**Right **09DS**

Mastoid

Left **09DC**Right **09DB**

Maxillary

Left **09DR**Right **09DQ**

Sphenoid

Left **09DX**Right **09DW**

Skin

Abdomen **0HD7XZZ**Back **0HD6XZZ**Buttock **0HD8XZZ**Chest **0HDSXZZ**

Ear

Left **0HD3XZZ**Right **0HD2XZZ**Face **0HD1XZZ**

Foot

Left **0HDNXZZ**Right **0HDMXZZ**Genitalia **0HDAXZZ**

Hand

Left **0HDGXZZ**Right **0HDFXZZ**

Lower Arm

Left **0HDEXZZ**

<i>Section</i> 1 Obstetrics <i>Body System</i> 0 Pregnancy <i>Operation</i> D Extraction: Pulling or stripping out or off all or a portion of a body part			
<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
0 Products of Conception	0 Open	Z No Device	0 Classical 1 Low Cervical 2 Extraperitoneal
0 Products of Conception	7 Via Natural or Artificial Opening	Z No Device	3 Low Forceps 4 Mid Forceps 5 High Forceps 6 Vacuum 7 Internal Version 8 Other
1 Products of Conception, Retained 2 Products of Conception, Ectopic	7 Via Natural or Artificial Opening 8 Via Natural or Artificial Opening Endoscopic	Z No Device	Z No Qualifier

Exercise

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Drainage *continued*

Vein *continued*
 Lesser Saphenous *continued*
 Right **069R**
 Lower **069Y**
 Portal **0698**
 Renal
 Left **069B**
 Right **0699**
 Splenic **0691**
 Subclavian
 Left **0596**
 Right **0595**
 Superior Mesenteric **0695**
 Upper **059Y**
 Vertebral
 Left **059S**
 Right **059R**
 Vena Cava, Inferior **0690**
 Vertebra
 Cervical **0P93**
 Lumbar **0Q90**
 Thoracic **0P94**
 Vesicle
 Bilateral **0V93**
 Left **0V92**
 Right **0V91**
 Vitreous
 Left **0895**
 Right **0894**
 Vocal Cord
 Left **0C9V**
 Right **0C9T**
 Vulva **0U9M**
 Wrist Region
 Left **0X9H**
 Right **0X9G**

Dressing

Abdominal Wall **2W23X4Z**
 Arm
 Lower
 Left **2W2DX4Z**
 Right **2W2CX4Z**
 Upper
 Left **2W2BX4Z**
 Right **2W2AX4Z**
 Back **2W25X4Z**
 Chest Wall **2W24X4Z**
 Extremity
 Lower
 Left **2W2MX4Z**
 Right **2W2LX4Z**
 Upper
 Left **2W29X4Z**
 Right **2W28X4Z**
 Face **2W21X4Z**
 Finger
 Left **2W2KX4Z**
 Right **2W2JX4Z**
 Foot

Dressing *continued*

Foot *continued*
 Left **2W2TX4Z**
 Right **2W2SX4Z**
 Hand
 Left **2W2FX4Z**
 Right **2W2EX4Z**
 Head **2W20X4Z**
 Inguinal Region
 Left **2W27X4Z**
 Right **2W26X4Z**
 Leg
 Lower
 Left **2W2RX4Z**
 Right **2W2QX4Z**
 Upper
 Left **2W2PX4Z**
 Right **2W2NX4Z**
 Neck **2W22X4Z**
 Thumb
 Left **2W2HX4Z**
 Right **2W2GX4Z**
 Toe
 Left **2W2VX4Z**
 Right **2W2UX4Z**

Drotrecogin alfa *see* Introduction, Recombinant Human-activated Protein C

Duct of Santorini *use* Duct, Pancreatic, Accessory

Duct of Wirsung *use* Duct, Pancreatic

Ductogram, mammary *see* Plain Radiography, Skin, Subcutaneous Tissue and Breast **BH0**

Ductography, mammary *see* Plain Radiography, Skin, Subcutaneous Tissue and Breast **BH0**

Ductus deferens

use Vas Deferens, Left

use Vas Deferens, Right

use Vas Deferens

use Vas Deferens, Bilateral

Duodenal ampulla *use* Ampulla of Vater

Duodenectomy

see Excision, Duodenum **0DB9**

see Resection, Duodenum **0DT9**

Duodenocholedochotomy *see* Drainage, Gallbladder **0F94**

Duodenocystostomy

see Bypass, Gallbladder **0F14**

see Drainage, Gallbladder **0F94**

Duodenoenterostomy

see Bypass, Gastrointestinal System **0D1**

see Drainage, Gastrointestinal System **0D9**

Duodenojejunal flexure *use* Jejunum

Duodenolysis *see* Release, Duodenum **0DN9**

Duodenorrhaphy *see* Repair, Duodenum **0DQ9**

Duodenostomy

see Bypass, Duodenum **0D19**

see Drainage, Duodenum **0D99**

Duodenotomy *see* Drainage, Duodenum **0D99**

Dural venous sinus *use* Vein, Intracranial

<i>Section</i>	2	Placement		
<i>Body System</i>	W	Anatomical Regions		
<i>Operation</i>	2	Dressing: Putting material on a body region for protection		
<i>Body Region</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>	
0 Head 1 Face 2 Neck 3 Abdominal Wall 4 Chest Wall 5 Back 6 Inguinal Region, Right 7 Inguinal Region, Left 8 Upper Extremity, Right 9 Upper Extremity, Left A Upper Arm, Right B Upper Arm, Left C Lower Arm, Right D Lower Arm, Left E Hand, Right F Hand, Left G Thumb, Right H Thumb, Left J Finger, Right K Finger, Left L Lower Extremity, Right M Lower Extremity, Left N Upper Leg, Right P Upper Leg, Left Q Lower Leg, Right R Lower Leg, Left S Foot, Right T Foot, Left U Toe, Right V Toe, Left	X External	4 Bandage	Z No Qualifier	

Exercise 10

Transfer continued

Tendon
 Abdomen
 Left **OLXG**
 Right **OLXF**
 Ankle
 Left **OLXT**
 Right **OLXS**
 Foot
 Left **OLXW**
 Right **OLXV**
 Hand
 Left **OLX8**
 Right **OLX7**
 Head and Neck **OLX0**
 Hip
 Left **OLXK**
 Right **OLXJ**
 Knee
 Left **OLXR**
 Right **OLXQ**
 Lower Arm and Wrist
 Left **OLX6**
 Right **OLX5**
 Lower Leg
 Left **OLXP**
 Right **OLXN**
 Perineum **OLXH**
 Shoulder
 Left **OLX2**
 Right **OLX1**
 Thorax
 Left **OLXD**
 Right **OLXC**
 Trunk
 Left **OLXB**
 Right **OLX9**
 Upper Arm
 Left **OLX4**
 Right **OLX3**
 Upper Leg
 Left **OLXM**
 Right **OLXL**
 Tongue **OCX7**

Transfusion

Artery
 Central
 Antihemophilic Factors **3026**
 Blood
 Platelets **3026**
 Red Cells **3026**
 Frozen **3026**
 White Cells **3026**
 Whole **3026**
 Bone Marrow **3026**
 Factor IX **3026**
 Fibrinogen **3026**
 Globulin **3026**
 Plasma
 Fresh **3026**

Transfusion continued

Artery continued
 Central continued
 Plasma continued
 Frozen **3026**
 Plasma Cryoprecipitate **3026**
 Serum Albumin **3026**
 Stem Cells
 Cord Blood **3026**
 Hematopoietic **3026**
 Peripheral
 Antihemophilic Factors **3025**
 Blood
 Platelets **3025**
 Red Cells **3025**
 Frozen **3025**
 White Cells **3025**
 Whole **3025**
 Bone Marrow **3025**
 Factor IX **3025**
 Fibrinogen **3025**
 Globulin **3025**
 Plasma
 Fresh **3025**
 Frozen **3025**
 Plasma Cryoprecipitate **3025**
 Serum Albumin **3025**
 Stem Cells
 Cord Blood **3025**
 Hematopoietic **3025**
 Products of Conception
 Antihemophilic Factors **3027**
 Blood
 Platelets **3027**
 Red Cells **3027**
 Frozen **3027**
 White Cells **3027**
 Whole **3027**
 Factor IX **3027**
 Fibrinogen **3027**
 Globulin **3027**
 Plasma
 Fresh **3027**
 Frozen **3027**
 Plasma Cryoprecipitate **3027**
 Serum Albumin **3027**
 Vein
 Central
 Antihemophilic Factors **3024**
 Blood
 Platelets **3024**
 Red Cells **3024**
 Frozen **3024**
 White Cells **3024**
 Whole **3024**
 Bone Marrow **3024**
 Factor IX **3024**
 Fibrinogen **3024**
 Globulin **3024**
 Plasma

<i>Section</i>	3	Administration	
<i>Body System</i>	0	Circulatory	
<i>Operation</i>	2	Transfusion: Putting in blood or blood products	
<i>Body System / Region</i>	<i>Approach</i>	<i>Substance</i>	<i>Qualifier</i>
3 Peripheral Vein 4 Central Vein	0 Open 3 Percutaneous	A Stem Cells, Embryonic	Z No Qualifier
3 Peripheral Vein 4 Central Vein	0 Open 3 Percutaneous	G Bone Marrow H Whole Blood J Serum Albumin K Frozen Plasma L Fresh Plasma M Plasma Cryoprecipitate N Red Blood Cells P Frozen Red Cells Q White Cells R Platelets S Globulin T Fibrinogen V Antihemophilic Factors W Factor IX X Stem Cells, Cord Blood Y Stem Cells, Hematopoietic	0 Autologous 1 Nonautologous
5 Peripheral Artery 6 Central Artery	0 Open 3 Percutaneous	G Bone Marrow H Whole Blood J Serum Albumin K Frozen Plasma L Fresh Plasma M Plasma Cryoprecipitate N Red Blood Cells P Frozen Red Cells Q White Cells R Platelets S Globulin T Fibrinogen V Antihemophilic Factors W Factor IX X Stem Cells, Cord Blood Y Stem Cells, Hematopoietic	0 Autologous 1 Nonautologous

Exercise

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**Section 0 - Medical and Surgical
Character 3 - Operation**

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Alteration	<p>Definition: Modifying the anatomic structure of a body part without affecting the function of the body part</p> <p>Explanation: Principal purpose is to improve appearance</p> <p>Includes/Examples: Face lift, breast augmentation</p>
Bypass	<p>Definition: Altering the route of passage of the contents of a tubular body part</p> <p>Explanation: Rerouting contents of a body part to a downstream area of the normal route, to a similar route and body part, or to an abnormal route and dissimilar body part. Includes one or more anastomoses, with or without the use of a device</p> <p>Includes/Examples: Coronary artery bypass, colostomy formation</p>
Change	<p>Definition: Taking out or off a device from a body part and putting back an identical or similar device in or on the same body part without cutting or puncturing the skin or a mucous membrane</p> <p>Explanation: All CHANGE procedures are coded using the approach EXTERNAL</p> <p>Includes/Examples: Urinary catheter change, gastrostomy tube change</p>
Control	<p>Definition: Stopping, or attempting to stop, postprocedural bleeding</p> <p>Explanation: The site of the bleeding is coded as an anatomical region and not to a specific body part</p> <p>Includes/Examples: Control of post-prostatectomy hemorrhage, control of post-tonsillectomy hemorrhage</p>

**Section 0 - Medical and Surgical
Character 3 - Operation (continued)**

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Creation	<p>Definition: Making a new genital structure that does not take over the function of a body part</p> <p>Explanation: Used only for sex change operations</p> <p>Includes/Examples: Creation of vagina in a male, creation of penis in a female</p>
Destruction	<p>Definition: Physical eradication of all or a portion of a body part by the direct use of energy, force, or a destructive agent</p> <p>Explanation: None of the body part is physically taken out</p> <p>Includes/Examples: Fulguration of rectal polyp, cautery of skin lesion</p>
Detachment	<p>Definition: Cutting off all or a portion of the upper or lower extremities</p> <p>Explanation: The body part value is the site of the detachment, with a qualifier if applicable to further specify the level where the extremity was detached</p> <p>Includes/Examples: Below knee amputation, disarticulation of shoulder</p>
Dilation	<p>Definition: Expanding an orifice or the lumen of a tubular body part</p> <p>Explanation: The orifice can be a natural orifice or an artificially created orifice. Accomplished by stretching a tubular body part using intraluminal pressure or by cutting part of the orifice or wall of the tubular body part</p> <p>Includes/Examples: Percutaneous transluminal angioplasty, pyloromyotomy</p>

**Section 0 - Medical and Surgical
Character 3 - Operation (continued)**

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Division	<p>Definition: Cutting into a body part, without draining fluids and/or gases from the body part, in order to separate or transect a body part</p> <p>Explanation: All or a portion of the body part is separated into two or more portions</p> <p>Includes/Examples: Spinal cordotomy, osteotomy</p>
Drainage	<p>Definition: Taking or letting out fluids and/or gases from a body part</p> <p>Explanation: The qualifier DIAGNOSTIC is used to identify drainage procedures that are biopsies</p> <p>Includes/Examples: Thoracentesis, incision and drainage</p>
Excision	<p>Definition: Cutting out or off, without replacement, a portion of a body part</p> <p>Explanation: The qualifier DIAGNOSTIC is used to identify excision procedures that are biopsies</p> <p>Includes/Examples: Partial nephrectomy, liver biopsy</p>
Extirpation	<p>Definition: Taking or cutting out solid matter from a body part</p> <p>Explanation: The solid matter may be an abnormal byproduct of a biological function or a foreign body; it may be imbedded in a body part or in the lumen of a tubular body part. The solid matter may or may not have been previously broken into pieces</p> <p>Includes/Examples: Thrombectomy, choledocholithotomy</p>

Extraction	<p>Definition: Pulling or stripping out or off all or a portion of a body part by the use of force</p> <p>Explanation: The qualifier DIAGNOSTIC is used to identify extraction procedures that are biopsies</p> <p>Includes/Examples: Dilation and curettage, vein stripping</p>
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Fragmentation	<p>Definition: Breaking solid matter in a body part into pieces</p> <p>Explanation: Physical force (e.g., manual, ultrasonic) applied directly or indirectly is used to break the solid matter into pieces. The solid matter may be an abnormal byproduct of a biological function or a foreign body. The pieces of solid matter are not taken out</p> <p>Includes/Examples: Extracorporeal shockwave lithotripsy, transurethral lithotripsy</p>
Fusion	<p>Definition: Joining together portions of an articular body part rendering the articular body part immobile</p> <p>Explanation: The body part is joined together by fixation device, bone graft, or other means</p> <p>Includes/Examples: Spinal fusion, ankle arthrodesis</p>
Insertion	<p>Definition: Putting in a nonbiological appliance that monitors, assists, performs, or prevents a physiological function but does not physically take the place of a body part</p> <p>Includes/Examples: Insertion of radioactive implant, insertion of central venous catheter</p>
Inspection	<p>Definition: Visually and/or manually exploring a body part</p> <p>Explanation: Visual exploration may be performed with or without optical instrumentation. Manual exploration may be performed directly or through intervening body layers</p> <p>Includes/Examples: Diagnostic arthroscopy, exploratory laparotomy</p>

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Map	<p>Definition: Locating the route of passage of electrical impulses and/or locating functional areas in a body part</p> <p>Explanation: Applicable only to the cardiac conduction mechanism and the central nervous system</p> <p>Includes/Examples: Cardiac mapping, cortical mapping</p>
Occlusion	<p>Definition: Completely closing an orifice or the lumen of a tubular body part</p> <p>Explanation: The orifice can be a natural orifice or an artificially created orifice</p> <p>Includes/Examples: Fallopian tube ligation, ligation of inferior vena cava</p>
Reattachment	<p>Definition: Putting back in or on all or a portion of a separated body part to its normal location or other suitable location</p> <p>Explanation: Vascular circulation and nervous pathways may or may not be reestablished</p> <p>Includes/Examples: Reattachment of hand, reattachment of avulsed kidney</p>
Release	<p>Definition: Freeing a body part from an abnormal physical constraint</p> <p>Explanation: Some of the restraining tissue may be taken out but none of the body part is taken out</p> <p>Includes/Examples: Adhesiolysis, carpal tunnel release</p>

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Removal	<p>Definition: Taking out or off a device from a body part</p> <p>Explanation: If a device is taken out and a similar device put in without cutting or puncturing the skin or mucous membrane, the procedure is coded to the root operation CHANGE. Otherwise, the procedure for taking out a device is coded to the root operation REMOVAL</p> <p>Includes/Examples: Drainage tube removal, cardiac pacemaker removal</p>
Repair	<p>Definition: Restoring, to the extent possible, a body part to its normal anatomic structure and function</p> <p>Explanation: Used only when the method to accomplish the repair is not one of the other root operations</p> <p>Includes/Examples: Colostomy takedown, suture of laceration</p>
Replacement	<p>Definition: Putting in or on biological or synthetic material that physically takes the place and/or function of all or a portion of a body part</p> <p>Explanation: The body part may have been taken out or replaced, or may be taken out, physically eradicated, or rendered nonfunctional during the Replacement procedure. A Removal procedure is coded for taking out the device used in a previous replacement procedure</p> <p>Includes/Examples: Total hip replacement, bone graft, free skin graft</p>

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Reposition	<p>Definition: Moving to its normal location, or other suitable location, all or a portion of a body part</p> <p>Explanation: The body part is moved to a new location from an abnormal location, or from a normal location where it is not functioning correctly. The body part may or may not be cut out or off to be moved to the new location</p> <p>Includes/Examples: Reposition of undescended testicle, fracture reduction</p>
Resection	<p>Definition: Cutting out or off, without replacement, all of a body part</p> <p>Includes/Examples: Total nephrectomy, total lobectomy of lung</p>
Restriction	<p>Definition: Partially closing an orifice or the lumen of a tubular body part</p> <p>Explanation: The orifice can be a natural orifice or an artificially created orifice</p> <p>Includes/Examples: Esophagogastric fundoplication, cervical cerclage</p>
Revision	<p>Definition: Correcting, to the extent possible, a portion of a malfunctioning device or the position of a displaced device</p> <p>Explanation: Revision can include correcting a malfunctioning or displaced device by taking out and/or putting in part of the device</p> <p>Includes/Examples: Adjustment of position of pacemaker lead, recementing of hip prosthesis</p>

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Supplement	<p>Definition: Putting in or on biological or synthetic material that physically reinforces and/or augments the function of a portion of a body part</p> <p>Explanation: The biological material is non-living, or is living and from the same individual. The body part may have been previously replaced, and the Supplement procedure is performed to physically reinforce and/or augment the function of the replaced body part</p> <p>Includes/Examples: Herniorrhaphy using mesh, free nerve graft, mitral valve ring annuloplasty, put a new acetabular liner in a previous hip replacement</p>
Transfer	<p>Definition: Moving, without taking out, all or a portion of a body part to another location to take over the function of all or a portion of a body part</p> <p>Explanation: The body part transferred remains connected to its vascular and nervous supply</p> <p>Includes/Examples: Tendon transfer, skin pedicle flap transfer</p>
Transplantation	<p>Definition: Putting in or on all or a portion of a living body part taken from another individual or animal to physically take the place and/or function of all or a portion of a similar body part</p> <p>Explanation: The native body part may or may not be taken out, and the transplanted body part may take over all or a portion of its function</p> <p>Includes/Examples: Kidney transplant, heart transplant</p>

Answers
NO PEEKING

EXERCISE 1 **SLIDE 5**

Excludes 2 example:

Discharge diagnoses:

1. Moderate persistent asthma with status asthmaticus
2. Acute exacerbation of COPD.
 - a. J45.42, J44.1

EXERCISE 2 **SLIDE 6**

Placeholder and seventh character example:

The ICD-10 External Cause code for a dog bite is W54.0 and requires a seventh character to identify the encounter. Which of the following is the correct code for the initial encounter to treat the dog bite?

W54.0XX1

EXERCISE 3 **SLIDE 15**

Anemia due to neoplasm

Patient was admitted for anemia due to lung cancer. Blood was transfused and the patient was discharged.

C34.90, D63.0

EXERCISE 4 **SLIDE 33**

Osteoporosis with pathological fracture

70 year old female with senile osteoporosis complains of severe right shoulder pain. She has reported no trauma to the area. Radiological studies show evidence of a fracture of the right humerus.

M80.021A

PCS EXAMPLES

Exercise 5 **SLIDE 124:** A patient undergoes an open right lobectomy of the liver. The correct code for this procedure is:

0FT10ZZ (resection)

Exercise 6 **SLIDE 124:** A patient has a percutaneous biopsy of the left liver lobe. The correct code for this procedure is:

OFB23ZX (excision)

Exercise 7 **SLIDE 125:** A patient has an open reduction with internal fixation of the right femoral shaft fracture. The correct procedure code is:

0QS804Z reduction (reposition includes internal fixation with character 6-(4) is for internal fixation)

Exercise 8 **SLIDE 126:** The patient developed post op bleeding following a colonoscopy and returned to the OR for control of the hemorrhaging. The physician was unable to control the hemorrhaging and proceeded to do an excision of the transverse colon for definitive treatment. The correct code for this procedure is:

0DTL0ZZ (definitive treatment guideline)

Exercise 9 **SLIDE 132:** A patient presented with a missed abortion and required a D&C for retained Products of Conception. The correct codes for this procedure is:

10D17ZZ (Extraction)

Exercise 10 **SLIDE 138:** A patient presents for an application of a dressing to his left upper leg. The correct code for this procedure is:

2W2PX4Z (dressing)

Exercise 11 **SLIDE 145:** A patient presents for a unit of packed red blood cells which will be transfused through a peripheral artery. The correct code for this procedure is:

30253N1 (peripheral artery)