

**Orthopaedic Surgery  
Resident Levels of Care**

Procedure/Skill	Level of Care	Supervision	Milestone	Milestone Level	Competency
Perform complex wound closures	PGY5	IS	MK,PC,PB	4.0/4.5	1,2,3
Insert percutaneous pins for complex fracures	PGY5	IS	MK,PC,PB	4.0/4.5	1,2,3
Perform wound I&D of complex open fractures including pelvic	PGY5	IS	MK,PC,PB,SBP	4.0/4.5	1,2,3,5
Repair complex lacerations	PGY5	IS	MK,PC,PB	4.0/4.5	1,2,3
Repair complex tendon lacerations (Zonell of hand**)	PGY5	DS**	MK,PC,PB,SBP	4.0/4.5	1,2,3,5
Perform I&D of all abscesses	PGY5	IS	MK,PC,PB	4.0/4.5	1,2,3
Perform closed reductions of all fractures and dislocations	PGY5	IS	MK,PC,PB	4.0/4.5	1,2,3
Perform open reduction and internal fixation of	PGY5	DS**	MK,PC,PB	4.0/4.5	1,2,3
Perform nailing of tibia and femur**	PGY5	DS**	MK,PC,PB	4.0/4.5	1,2,3
Understand and use all commonly used orthopaedic	PGY5	IS	MK,PB	4.0/4.5	1,3
Be able to perform primary total knee and hip	PGY5	DS**	MK,PC,PB	4.0/4.5	1,2,3
Be able to perform revision total knee and hip	PGY5	DS**	MK,PC,PB	4.0/4.5	1,2,3
Be able to preoperatively plan for revision total knee	PGY5	IS	MK,PC,PB,SBP	4.0/4.5	1,2,3,5
Be able to perform a knee arthroscopy and meniscal	PGY5	IS	MK,PC,PB	4.0/4.5	1,2,3
Be able to perform a shoulder arthroscopy and labral	PGY5	DS**	MK,PC,PB	4.0/4.5	1,2,3
Be able to perform an ACL reconstruction	PGY5	IS	MK,PC,PB	4.0/4.5	1,2,3
Perform knee, wrist, elbow, ankle, hip, small joint arthrocentesis	PGY5	IS	MK,PC,PB	4.0/4.5	1,2,3
Perform curettage and bone grafting of bony cysts	PGY5	IS	MK,PC,PB	4.0/4.5	1,2,3
Apply external fixators on long bones of lower	PGY5	IS	MK,PC,PB	4.0/4.5	1,2,3
Perform complex hand procedures**	PGY5	DS**	MK,PC,PB	4.0/4.5	1,2,3
Perform open reduction and internal fixation of all	PGY5	DS**	MK,PC,PB	4.0/4.5	1,2,3
Perform adequate exposure of the spine	PGY5	IS	MK,PC,PB	4.0/4.5	1,2,3
Perform fracture and dislocation reductions of the spine**	PGY5	DS**	MK,PC,PB	4.0/4.5	1,2,3
Plan and perform adult osteotomies	PGY5	IS	MK,PC,PB	4.0/4.5	1,2,3
Manage intraoperative emergencies (i.e., bleeding, fractures, nerve injuries)**	PGY5	DS**	MK,PC,PB,SBP	4.0/4.5	1,2,3,5

\*PGY2 or greater is present for supervision and documents presence

\*\*Faculty Physician is present during key portions of procedure or immediately available

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Perform complex wound closures	PGY4	IS	MK,PC,PB	3.0/3.5	1,2,3
Insert percutaneous pins for complex fracures	PGY4	IS	MK,PC,PB	3.0/3.5	1,2,3
Perform wound I&D of complex open fractures including pelvic	PGY4	IS	MK,PC,PB,SBP	3.0/3.5	1,2,3,5
Repair complex lacerations	PGY4	IS	MK,PC,PB	3.0/3.5	1,2,3
Repair complex tendon lacerations (Zonell of hand**)	PGY4	DS**	MK,PC,PB,SBP	3.0/3.5	1,2,3,5
Perform I&D of all abscesses	PGY4	IS	MK,PC,PB,SBP	3.0/3.5	1,2,3,5
Perform closed reductions of all fractures and	PGY4	IS	MK,PC,PB	3.0/3.5	1,2,3
Perform open reductions and internal fixation of	PGY4	DS**	MK,PC,PB	3.0/3.5	1,2,3
Perform nailing of tibia and femur**	PGY4	DS**	MK,PC,PB	3.0/3.5	1,2,3
Understand and use all commonly used orthopaedic equipment	PGY4	IS	MK,PB	3.0/3.5	1,3
Be able to perform primary total knee and hip	PGY4	DS**	MK,PC,PB	3.0/3.5	1,2,3
Be able to preoperatively plan for re-do total knee and	PGY4	IS	MK,PC,PB,SBP	3.0/3.5	1,2,3,5
Be able to negotiate the knee and shoulder joint with an arthroscopy**	PGY4	DS**	MK,PC,PB	3.0/3.5	1,2,3
Perform knee, wrist, elbow, ankle, hip, small joint	PGY4	IS	MK,PC,PB	3.0/3.5	1,2,3
Perform curettage and bone grafting of bony cysts	PGY4	IS	MK,PC,PB	3.0/3.5	1,2,3
Be able to obtain Iliac crest bone graft	PGY4	IS	MK,PC,PB	3.0/3.5	1,2,3
Apply external fixators on long bones of lower extremity	PGY4	IS	MK,PC,PB	3.0/3.5	1,2,3
Perform simple hand procedures**	PGY4	DS**	MK,PC,PB	3.0/3.5	1,2,3
Perform adequate exposure of the spine	PGY4	IS	MK,PC,PB	3.0/3.5	1,2,3,5
Preoperatively plan for adult osteotomies	PGY4	IS	MK,PC,PB	3.0/3.5	1,2,3
Perform complex wound closures	PGY3	IS	MK,PC,PB	2.0/2.5	1,2,3

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Insert Percutaneous Pins for moderately complex fractures	PGY3	IS	MK,PC,PB	2.0/2.5	1,2,3
Remove hardware	PGY3	IS	MK,PC,PB	2.0/2.5	1,2,3
Expand the ability to assist for complex orthopaedic	PGY3	IS	MK,PC,PB,ICS,P	2.0/2.5	1,2,3,4,6
Perform wound irrigation and debridement of	PGY3	DS**	MK,PC,PB	2.0/2.5	1,2,3
Repair complex lacerations	PGY3	IS	MK,PC,PB	2.0/2.5	1,2,3
Perform I&D	PGY3	IS	MK,PC,PB	2.0/2.5	1,2,3
Perform closed reductions of all fractures and	PGY3	IS	MK,PC,PB	2.0/2.5	1,2,3
Perform open reduction and internal fixation of moderately complex fractures**	PGY3	DS**	MK,PC,PB	2.0/2.5	1,2,3
Perform nailing of tibia and femur**	PGY3	DS**	MK,PC,PB	2.0/2.5	1,2,3
Understand and use most orthopaedic equipment	PGY3	IS	MK,PB	2.0/2.5	1,3
Understand the basic use of equipment required to insert a total joint	PGY3	IS	MK,PB	2.0/2.5	1,3
Be able to negotiate the knee joint with an arthroscopy	PGY3	IS	MK,PC,PB	2.0/2.5	1,2,3
Perform knee, wrist, elbow, ankle, hip, small joint arthrocentesis	PGY3	IS	MK,PC,PB	2.0/2.5	1,2,3,
Perform curettage and bone grafting of bony cysts**	PGY3	DS**	MK,PC,PB	2.0/2.5	1,2,3
Be able to perform moderately complex tendon repairs**	PGY3	DS**	MK,PC,PB	2.0/2.5	1,2,3
Be able to obtain Iliac crest bone graft	PGY3	IS	MK,PC,PB	2.0/2.5	1,2,3
Apply external fixators on long bones of lower	PGY3	DS*	MK,PC,PB	2.0/2.5	1,2,3
Perform simple hand procedures**	PGY3	DS**	MK,PC,PB	2.0/2.5	1,2,3
Insert Percutaneous pins	PGY2	IS	MK,PC,PB	2.0/2.5	1,2,3
Remove hardware (except pelvis)	PGY2	IS	MK,PC,PB, Fractures- Ankle,	2.0/2.5	1,2,3
Act as first assist for complex orthopaedic operative procedures	PGY2	IS	MK,PC,PB,ICS,P	2.0/2.5	1,2,3,4,6

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Perform moderately complicated wound closures	PGY2	IS	MK,PC,PB	2.0/2.5	1,2,3
Perform wound irrigation and debridements	PGY2	IS	MK,PC,PB	2.0/2.5	1,2,3
Repair simple lacerations	PGY2	IS	MK,PC	2.0/2.5	1,2
Perform I&D	PGY2	IS	MK,PC	2.0/2.5	1,2
Perform closed reductions of all fractures	PGY2	IS	MK,PC,PB	2.0/2.5	1,2,3
Perform open reductions of all fractures*	PGY2	DS*	MK,PC,PB, Fractures- Ankle, Femur, Tibia, DRF, Elbow	2.0/2.5	1,2,3
Tie all knots required in orthopaedic surgery	PGY2	IS	MK,PC	2.0/2.5	1,2
Use scapel, forceps and scissors effectively	PGY2	IS	MK,PC,PB	2.0/2.5	1,2,3
Perform knee, wrist, elbow, ankle, hip*, small joint arthocentesis	PGY2	DS*	MK,PC,PB	2.0/2.5	1,2,3
Perform removal of cysts, ganglions, etc*	PGY2	DS*	MK,PC,PB	2.0/2.5	1,2,3
Apply external fixation*	PGY2	DS*	MK,PC, Fractures- Ankle, Femur, Tibia, DRF, Elbow	2.0/2.5	1,2
Apply casts and splints	PGY2	IS	MK,PC, Fractures- Ankle, Femur, Tibia, DRF, Elbow	2.0/2.5	1,2
Reduce dislocations	PGY2	IS	MK,PC, Fractures- Ankle, Femur, Tibia, DRF, Elbow	2.0/2.5	1,2
Recognize Compartment Syndrome	PGY2	IS	MK,PC,PB,P	2.0/2.5	1,2,3,5
Perform Venipuncture	PGY1	IS	MK,PC	1.0/1.5	1,2
Start Peripheral IV line	PGY1	IS	MK,PC	1.0/1.5	1,2
Place Central line** (subclavian and jugular vein)	PGY1	DS**	MK,PC	1.0/1.5	1,2
Draw Blood cultures	PGY1	IS	MK,PC	1.0/1.5	1,2
Place Foley catheters	PGY1	IS	MK,PC	1.0/1.5	1,2
Obtain Orpharyngeal control of airway/ambu vent	PGY1	IS	MK,PB	1.0/1.5	1,3
Perform oral/nasal-gastric tracheal intubation**	PGY1	DS**	MK,PC	1.0/1.5	1,2
Admin local Anesthetics	PGY1	IS	MK,PC	1.0/1.5	1,2

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Dissection and handling of tissues	PGY1	IS	MK,PC	1.0/1.5	1,2
Repair simple lacerations	PGY1	IS	MK,PC	1.0/1.5	1,2
Principles and application of eletrocautery	PGY1	IS	MK,PB	1.0/1.5	1,3
Repair wound closures	PGY1	IS	MK,PB	1.0/1.5	1,3
Perform wound dressing and daily wound care	PGY1	IS	MK,PC,PB	1.0/1.5	1,2,3
Serve as operative assist	PGY1	IS	MK,PB,ICS,P	1.0/1.5	1,3,4,6
Excise or biopsy superficial skin lesion	PGY1	IS	MK,PB	1.0/1.5	1,3
Perform I&D of superficial (**or deep) fluid collections and/or abscesses	PGY1	DS**	MK,PC	1.0/1.5	1,2
Place (**percuntaneous or open) maintain and	PGY1	DS**	MK,PC,PB	1.0/1.5	1,2,3
Perform diagnostic lumbar puncture**	PGY1	DS**	MK,PC	1.0/1.5	1,2
Obtain and apply split thickness skin grafts **	PGY1	DS**	MK,PC,PB	1.0/1.5	1,2,3
Repair umbilical and inguinal hernias **	PGY1	DS**	MK,PC,PB,SBP	1.0/1.5	1,2,3,5
Perform extremity amputations **	PGY1	DS**	MK,PC,PB,SBP	1.0/1.5	1,2,3,5
Draw Blood samples	PGY1	IS	MK,PC	1.0/1.5	1,2
Place arterial blood pressure monitoring lines **	PGY1	DS**	MK,PC	1.0/1.5	1,2
Remove superficial foreign bodies	PGY1	IS	MK,PC,PB	1.0/1.5	1,2,3
Apply casts and splints*	PGY1	DS*	MK,PC,PB, Fractures- Ankle,	1.0/1.5	1,2,3
Reduce simple dislocations*	PGY1	DS*	MK,PC,PB,SBP, Fractures- Ankle, Femur, Tibia, DRF, Elbow	1.0/1.5	1,2,3,5

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