



Inclusion:

- Orthopedic patients
- Post-intervention
- Included Procedures:

Exclusion:

- Non-Orthopedic patients
- Patients who have NOT had an intervention

Metrics:

- Acuity 1 and 2 patients
 - No narcotics prescribed at discharge
- Acuity 3:
 - ≤ 5 days of narcotics prescribed at discharge

Medication Considerations:

Acetaminophen:

- Discuss with pharmacy if there is a concern for liver dysfunction in the patient.

Lortab/Hycet:

- Contains acetaminophen.
- DO NOT prescribe concurrently with acetaminophen.

Ondanesetron:

- May be administered pre-operatively for patients at high-risk for post-operative nausea.
- May be administered as needed for patients experiencing nausea secondary to general anesthesia and/or opioid administration.

Oxycodone:

- Potential for dependence related to duration of use
- Unused medication at risk for diversion

Toradol:

- Avoid use in patients with thrombocytopenia or increased risk of bleeding
- Discuss use with surgeon
- Used to reduce the need for opioid infusions

Ketamine:

- IV infusion
- May reduce opioid consumption intra- and postoperatively

Scopolamine Patch:

- Avoid use in patients under the age of 12
- Leave on for up to 3 days
- Place in pre-op

Valium:

- May cause sedation, especially when combined with opioids

Dexamethasone:

- Use caution in patients at risk for hyperglycemia, tumor-lysis syndrome, immunosuppression or severe hypertension.

Gabapentin:

- May cause sedation, especially when combined with opioids

	Acuity 1 and 2 Surgeries	Acuity 3 Surgeries	Acuity 4 Surgeries
Pre-Op	<p>Day of Surgery, at Hospital:</p> <ul style="list-style-type: none"> • Consider Scopolamine patch for patients who are at risk for nausea • Consider ordering non-pharmacological pain management • For Acuity 2 surgeries only: Consider Gabapentin <p>For Ankle Arthroscopy: For Elbow Arthroscopy: For Knee Arthroscopy: For OCD Drilling: For Meniscal Repair: For Hip Arthroscopy: For Shoulder Arthroscopy: For Upper Extremity Fractures: For ACL Reconstruction: For ACL Reconstruction w/ Iliotibial Band: For Knee w/Tibial Spine Fixation Arthroscopy: For Patellar Stabilization: For OCD Drilling, Oats Procedure: For all other Acuity 1 and 2 Procedures:</p>	<p>Day of surgery, at hospital:</p> <ul style="list-style-type: none"> • Consider Scopolamine patch for patients who are at risk for nausea • Consider Gabapentin <p>Periacetabular Osteotomy (PAO): For all other Acuity 3 Procedures:</p>	
Intra-Op	<p>Management per Anesthesia:</p> <ul style="list-style-type: none"> • Local field block vs. regional anesthesia (surgeon preference) • IV Toradol (at discretion of surgeon for high-blood-loss surgery) • IV Tylenol • Dexamethasone • Consider Ketamine bolus/infusion, at discretion of anesthesia <p>No education intra-op</p>	<p>Management per Anesthesia:</p> <ul style="list-style-type: none"> • Regional vs. neuraxial anesthesia (surgeon preference) • IV Toradol (at discretion of surgeon for high-blood-loss surgery) • IV Tylenol • Dexamethasone • Ketamine bolus/infusion, at discretion of anesthesia <p>No education intra-op</p>	
PACU	<p>Provider:</p> <ul style="list-style-type: none"> • Utilize "Anesthesia- PACU orders [131]" <p>Nurse:</p> <ul style="list-style-type: none"> • Optimize non-opioids and non-pharmacological therapeutics <p>For Ankle Arthroscopy: For Elbow Arthroscopy: For Knee Arthroscopy: For OCD Drilling: For Meniscal Repair: For Hip Arthroscopy: For Shoulder Arthroscopy: For Upper Extremity Fractures: For ACL Reconstruction: For ACL Reconstruction w/ Iliotibial Band: For Knee w/Tibial Spine Fixation Arthroscopy: For Patellar Stabilization: For OCD Drilling, Oats Procedure: For all other Acuity 1 and 2 Procedures:</p>	<p>Provider:</p> <ul style="list-style-type: none"> • Utilize "Anesthesia- PACU orders [131]" • Consider Ketamine drip • Consider Ondanesetron as needed for nausea <p>Nurse:</p> <ul style="list-style-type: none"> • Optimize non-opioids and non-pharmacological therapeutics <p>Periacetabular Osteotomy (PAO): For all other Acuity 3 Procedures:</p>	<p>Spinal Fusion for Idiopathic Scoliosis:</p> <p>Pain Management:</p> <p>Patient and Family Education:</p>
Post-Op/19th Floor	<p>Start:</p> <ul style="list-style-type: none"> • Alternate acetaminophen/ibuprofen PO, q3h around the clock • If ibuprofen contraindicated, acetaminophen q4h • For acuity 2 surgeries: Consider Gabapentin, at the discretion of the surgeon • Optional non-pharmacological therapeutics <p>For Ankle Arthroscopy: For Elbow Arthroscopy: For Knee Arthroscopy: For OCD Drilling: For Meniscal Repair: For Hip Arthroscopy: For Shoulder Arthroscopy: For Upper Extremity Fractures: For ACL Reconstruction: For ACL Reconstruction w/ Iliotibial Band: For Knee w/Tibial Spine Fixation Arthroscopy: For Patellar Stabilization: For OCD Drilling, Oats Procedure: For all other Acuity 1 and 2 Procedures:</p>	<p>Option 1: For patients able to swallow tablets</p> <p>Start:</p> <ul style="list-style-type: none"> • Alternate acetaminophen/ibuprofen PO, q3h around the clock • If ibuprofen contraindicated, acetaminophen q4h • Oxycodone PO q6h • Consider Valium, at the discretion of surgeon • Consider Gabapentin, at the discretion of surgeon <p>Option 2: For patients unable to swallow tablets</p> <p>Start:</p> <ul style="list-style-type: none"> • Alternate Hycet and ibuprofen PO q8h • Consider Valium, at the discretion of surgeon • Consider Gabapentin, at the discretion of surgeon <p>Periacetabular Osteotomy (PAO): For all other Acuity 3 Procedures:</p>	<p>Spinal Fusion for Neuromuscular Scoliosis (Complex Spine):</p> <p>Pain Management:</p> <p>Patient and Family Education:</p>
Discharge and Beyond	<p>In hospital:</p> <ul style="list-style-type: none"> • Continue alternating acetaminophen/ibuprofen, PO, q3h • If ibuprofen contraindicated, acetaminophen q4h • For acuity 2 surgeries: Continue Gabapentin for 3 days, per dosing table <p>At home:</p> <ul style="list-style-type: none"> • Continue acetaminophen and ibuprofen for 10 days as needed, wean per dosing table <p>For Ankle Arthroscopy: For Elbow Arthroscopy: For Knee Arthroscopy: For OCD Drilling: For Meniscal Repair: For Hip Arthroscopy: For Shoulder Arthroscopy: For Upper Extremity Fractures: For ACL Reconstruction: For ACL Reconstruction w/ Iliotibial Band: For Knee w/Tibial Spine Fixation Arthroscopy: For Patellar Stabilization: For OCD Drilling, Oats Procedure: For all other Acuity 1 and 2 Procedures:</p>	<p>Option 1: For patients able to swallow tablets</p> <p>In hospital:</p> <ul style="list-style-type: none"> • Continue alternating acetaminophen/ibuprofen, PO, q3h • If ibuprofen contraindicated, acetaminophen q4h • Continue Oxycodone q6h • Continue Valium, at the discretion of surgeon • Continue Gabapentin, at the discretion of surgeon <p>At home:</p> <ul style="list-style-type: none"> • Continue Oxycodone for 5 days, wean per dosing table • Continue acetaminophen and ibuprofen as needed for 10 days to decrease need for opioids, wean per dosing table • Continue Gabapentin for 3 days, per dosing table • Continue Valium for 3 days, wean per dosing table <p>Option 2: For patients unable to swallow tablets</p> <p>In hospital:</p> <ul style="list-style-type: none"> • Continue to alternate Hycet and Ibuprofen PO q8h • Continue Valium, at the discretion of surgeon • Continue Gabapentin, at the discretion of surgeon <p>At home:</p> <ul style="list-style-type: none"> • Continue Hycet until post-op day 5, wean per dosing table • Continue ibuprofen until post-op day 10 as needed to decrease need for opioids, wean per dosing table • Continue Gabapentin for 3 days, per dosing table • Continue Valium for 3 days, per dosing table <p>Periacetabular Osteotomy (PAO): For all other Acuity 3 Procedures:</p>	



Acuity 1 Procedures

PERCUTANEOUS PINNING
 ARTHROSCOPY, ANKLE
 ARTHROSCOPY, ELBOW
 ARTHROSCOPY, KNEE
 ARTHROSCOPY/DRILLING OCD
 ADDUCTOR MYOTOMY
 ADDUCTOR MYOTOMY BILATERAL
 ADDUCTOR MYOTOMY, PERCUTANEOUS
 ARTHROSCOPY WITH MENISCAL RESECTION/ MENISCAL REPAIR, KNEE
 ARTHROSCOPY, HARDWARE REMOVAL
 ARTHROSCOPY/ OCD DRILLING (ANKLE, ELBOW)
 BENIGN LESION EXCISION (SCALP, NECK, HANDS, FEET, GENITALIA), 2.1-3CM
 BOTOX INJECTION
 CARPAL TUNNEL RELEASE
 CLOSED REDUCTION
 CLOSED REDUCTION ELBOW
 CLOSED REDUCTION FEMUR
 CLOSED REDUCTION HIP
 CLOSED REDUCTION OF FRACTURE
 CLOSED REDUCTION PERCUTANEOUS PINNING, ELBOW
 CLOSED REDUCTION, PERCUTANEOUS PINNING
 CORE DECOMPRESSION
 CURLY TOE RELEASE
 CYST/MASS EXCISION, DIGIT
 EXTERNAL FIXATOR REMOVAL
 EXTERNAL FIXATOR REVISION
 FINGER/TOE NAIL REMOVAL OR ABLATION
 FLEXOR LENGTHENING, HIP
 FLEXOR LENGTHENING, TOE
 FLEXOR RELEASE, HIP
 FLEXOR RELEASE, HIP BILATERAL
 FOREIGN BODY REMOVAL WITH INCISION, SUBCUTANEOUS SIMPLE
 FOREIGN BODY REMOVAL, EXTREMITY
 FRACTIONAL LENGTHENING
 FULL THICKNESS SKIN GRAFT
 GANGLION CYST EXCISION
 GASTROC RECESSION
 HAMSTRING LENGTHENING
 HAMSTRING LENGTHENING, BILATERAL
 HAMSTRING RELEASE, BILATERAL
 HARDWARE REMOVAL
 HARDWARE REMOVAL (EXTREMITY)
 HARDWARE REMOVAL (HIP/PELVIC)
 HEMI-EPIPHYSEODESIS
 HIP PINNING
 ILEOPOAS LENGTHENING
 INCISION AND DRAINAGE (SUPERFICIAL)
 IP FUSION
 IRRIGATION AND DEBRIDEMENT (SUPERFICIAL)
 MEHTA/RISSE CAST APPLICATION
 OSTEochondroma EXCISION, DIGIT
 PERCUTANEOUS PINNING, FINGER
 PERONEOUS BREVIS TENDON LENGTHENING
 PLANTAR FASCIA RELEASE
 POLYDACTYLY EXCISION, NUBBIN/SOFT TISSUE
 POLYDACTYLY RECONSTRUCTION
 SCAR REVISION/EXCISION
 SOFT TISSUE MASS EXCISION(ORTHO)
 SUTURE REMOVAL
 SYNDACTYLY REPAIR
 TENDO-ACHILLES LENGTHENING
 TENDO-ACHILLES LENGTHENING, PERCUTANEOUS
 TENDO-ACHILLES RELEASE
 TENDON RELEASE, UPPER EXTREMITY
 TRIGGER FINGER RELEASE
 TRIGGER FINGER RELEASE, BILATERAL
 WOUND VAC APPLICATION/DRESSING CHANGE (CV)
 WOUND VAC DRESSING APPLICATION
 WOUND VAC DRESSING CHANGE

Acuity 2 Procedures

ARTHROSCOPY, HIP/OSTEOPLASTY
 ARTHROSCOPY, SHOULDER
 OPEN REDUCTION INTERNAL FIXATION CLAVICLE
 OPEN REDUCTION INTERNAL FIXATION ELBOW
 OPEN REDUCTION INTERNAL FIXATION FINGER
 OPEN REDUCTION INTERNAL FIXATION FOREARM
 OPEN REDUCTION INTERNAL FIXATION HUMERUS
 OPEN REDUCTION INTERNAL FIXATION SCAPHOID
 PATELLAR FRACTURE REPAIR
 8-PLATE INSERTION
 AMPUTATION
 AMPUTATION REVISION
 AMPUTATION/DISARTICULATION EXTREMITY
 ANTROLATERAL RELEASE
 ARTHROSCOPY, ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION
 ARTHROSCOPY, ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION WITH ILIOTIBIAL BAND
 ARTHROSCOPY, KNEE WITH TIBIAL SPINE FIXATION
 ARTHROSCOPY, MEDIAL PATELLOFEMORAL LIGAMENT RECONSTRUCTION
 ARTHROSCOPY, OCD DRILLING, OATS PROCEDURE
 ARTHROSCOPY, POSTERIOR CRUCIATE LIGAMENT RECONSTRUCTION
 ARTHROTOMY
 BONE LESION, MASS EXCISION
 BUNIONECTOMY(BIG TOE)/1ST M-P JOINT
 COLLATERAL LIGAMENT REPAIR
 CONTRACTURE RELEASE
 CURETTAGE
 ENDOPROSTHESIS LENGTHENING
 EPIPHYSEODESIS
 EPIPHYSEODESIS, PERCUTANEOUS
 EXOSTOSIS EXCISION
 FINGER RECONSTRUCTION WITH TENDON RODS
 FINGER TENDON RECONSTRUCTION
 FLEXIBLE NAILING
 ILEOPOAS RELEASE
 INCISION AND DRAINAGE (DEEP)
 INTRAMEDULLARY RODDING
 IRRIGATION AND DEBRIDEMENT (DEEP)
 LAMINECTOMY
 LATERAL COLUMN LENGTHENING
 OPEN REDUCTION HIP
 OPEN REDUCTION INTERNAL FIXATION
 OPEN REDUCTION INTERNAL FIXATION ANKLE
 OPEN REDUCTION INTERNAL FIXATION PATELLA
 OPEN REDUCTION RADIAL HEAD
 OSTEochondroma EXCISION
 OSTEOTOMY, CALCANEUS
 OSTEOTOMY, DIGIT
 OSTEOTOMY, FOOT
 OSTEOTOMY, FOREARM
 OSTEOTOMY, METATARSAL
 OSTEOTOMY, TOE
 OSTEOTOMY, ULNA (SHORTENING)
 POSTERIOR MEDIAL LATERAL RELEASE
 RECTUS TRANSFER
 SPINAL FUSION EXPLORATION, REMOVAL OF HARDWARE
 SUBMUSCULAR PLATING, FEMUR FRACTURE
 SYNDACTYLY REPAIR WITH SKIN GRAFT
 TALECTOMY
 TARSAL COALITION EXCISION
 TENDON REPAIR
 TENDON REPAIR, HAND(ORTHO)
 TENDON TRANSFER, LOWER EXTREMITY
 TENDON TRANSFER, SHOULDER
 TENDON TRANSFER, SPLIT ANTERIOR TIBIA
 TENDON TRANSFER, UPPER EXTREMITY
 TIBIAL TENDON TRANSFER, ANTERIOR
 TIBIAL TENDON TRANSFER, POSTERIOR
 UNICAMERAL BONE CYST CURETTAGE
 WOUND EXPLORATION/DEBRIDEMENT/REVISION

Acuity 3 Procedures

ACCESSORY NAVICULAR EXCISION
 ACETABULOPLASTY
 ARTHRODESIS, TRIPLE
 FEMORAL SHORTENING
 GREATER TROCANTERIC ADVANCEMENT
 OSTEOTOMY, FEMORAL NECK
 OSTEOTOMY, FEMUR
 OSTEOTOMY, FEMUR BILATERAL
 OSTEOTOMY, HUMERUS
 OSTEOTOMY, PELVIS
 OSTEOTOMY, PELVIS PEMBERTON
 OSTEOTOMY, PERIACETABULAR
 OSTEOTOMY, TIBIA
 OSTEOTOMY, TIBIAL TUBERCLE
 OSTEOTOMY, TRIPLE
 SALTER ACETABULOPLASTY
 SARCOMA RESECTION/EXCISION
 TUMOR RESECTION WITH PROSTHETIC RECONSTRUCTION, LARGE BONE

Acuity 4 Procedures

SPINAL FUSION, POSTERIOR
 SPINAL FUSION, POSTERIOR-COMPLEX
 THORACOSCOPY/ANTERIOR SPINAL RELEASE AND FUSION