Hip Fracture Pathway: PROTOCOL				
HFP CRITERIA	 Inclusion: Patients with a proximal 1/3 femur fracture in patient age >18 years old Evaluation: 			
	 Exclusion: Patients with other major traumatic injuries where trauma team activation is required. Patients with acute severe medical instability require ICU care (e.g. acute MI, unstable angina, sepsis, DKA, AMS). 			
GOALS	 <u>Collaborative care</u> with enhanced communication (EM, IM, Ortho, Trauma (as needed), & Anesthesia) Early operative care (goal within 24 hours). Limiting opiate utilization for pain control Limited E.D. length of stay (LOS), early pre-op assessment and optimization of medical conditions Preventive management to reduce post-operative complications 			
EMERGENCY DEPARTMENT CARE	 <u>EM team</u>: diagnosis & identification of all major traumatic injuries & acute severe medical instability Orders: Testing: XR Hip, pelvis, CXR; CBC, CMP, PT/PTT, Type/Screen, EKG (p.r.n. cardiac enzymes, UA), Ethanol & HgbA1c Pain Control: IV Tylenol. Fentanyl (prn); Femoral Nerve Block (FNB) to be done by Anesthesia NPO, IV maintenance fluids <u>Level C Hip Activation</u>: Trauma RNs will facilitate communication and Hip Pathway Checklist/Timelines Called by ED Team once hip fracture diagnosis made & higher level trauma activation criteria not met. Trauma team will continue to consult on all Level C activations (response time within 60 minutes) Ortho to bedside within <u>60</u> minutes. Admission order goal <u>120</u> minutes. Anesthesia to bedside within <u>120</u> minutes. (See below for criteria) After initial care, pain management to be directed by: ANES team (with input from THE ADMITTING TEAM) 			
PRIMARY ADMITTING SERVICE	 Criteria for Primary Team (who admits which patient): This is a guide; consistency is crucial, although the decision should be made based on what is best for the patient. Trauma: Any patient with a proximal femur fracture and other acute traumatic non-orthopedic injury Ortho: Any patient 64 or under, not meeting criteria to go to the trauma or internal medicine service as described. Internal Medicine: Any patient who would require a medical admission in absence of their fracture (e.g. syncope, Sepsis) Any patient, under 65 years old with 2 or more of the following: 			

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·	o <u>Ortho Team:</u>	
	• Early Admission order & <u>Pre-Op Hip Fracture Orders</u>	
ŊŊ	• Orthopedic H&P	
ADMISSION & PRE-OPERATIVE PLANNING	• Obtain Surgical Consent & discuss with patient and family	
	• Order DVT prophylaxis	
	• Arrange OR time within 24 hours and document in note.	
	• Discuss plan directly with Anesthesia immediately after ER assessment	
	• Internal Medicine:	
	 Admission Orders if above criteria met. May be asked to consult/co-manage as well. 	
	 Consult to be completed with note/recommendations within 120 minutes 	
	 Pre-operative risk stratification & medical management recommendations/orders 	
o-	 Discuss directly with anesthesia and orthopedics after seeing the patient 	
RE	 Discuss un certy with anestics a and or inspecties after seeing the patient Document present on admission conditions (UTI, Cardiac Arrhythmias, delirium, dementia) 	
P	 Cognitive assessment for dementia; Geriatrics Consult for all patients 65 years old and greater; Consider Vit D level for patients > 64 yrs 	
VE N	 Antibiotics per Ortho IVF 	
PERI-OPERATIVE CONSIDERATIONS		
RA AT	• Pain Management: ANES to emphasize/direct non-narcotic pain control	
PEI	• <u>Recovery Room Considerations:</u>	
[] []	• Management: Ortho & Anesthesia	
RI	 If patient needs ICU admission, management by Internal Medicine/ICU team Destructions are supported as a support of the support of	
PE	 Post-op management team for floor same as admitting service unless condition has changed Dott on lab orderes. See order set 	
_)	 Post-op lab orders: See order set Avoid telemetry if no clinical indication 	
N EI	 Pain management (ANES to develop): FNB removal by anesthesia <u>POD # 1-2</u> 	
IVI	 Use Pain Assessment Tools; IV Acetaminophen parameters; IV opiate parameters 	
TL	 Considerations: transition to PRN after 24-48 hours; breakthrough pain plan 	
ER/	 Physical Therapy Order: 	
PE ER	 Up to chair, POD #0 (no later than POD #1) 	
POST-OPERATIVE CONSIDERATIONS	 Ambulation 2 times a day 	
LS NS	 Preventing common post-operative complications 	
D C C C C	 Renal: IVF, holding ace/arb 2-3 days, following creatinine 	
	 Delirium: limiting opiates 	
	 Cardiac: antithrombotic treatment, beta-blockers, htn management 	
	 Pulmonary: I/S usage, up to chair POD 0-1, Bronchodilators as needed 	
	 Discharge planning, plan DC for POD# 2 	
	 Multidisciplinary Rounds DC planning, input from PT, nursing, primary care 	
	 O Multidisciplinary rounds be plaining, input from 11, narsing, primary care O DC done by Primary (Admitting) Team 	
D/C	 DC Home: Order home health follow-up (PT & RN), VTE prophylaxis 	
	 Post-op appointment scheduled prior to dc home with ortho (within 1-2 weeks); 	
	 PCP appointment scheduled within 5-7 days of DC; Osteoporosis Treatment and Follow-up plan per PMD 	
	• For appointment seneduce within 5 7 days of D6, 03(0)porosis fifedificit and Fonow-up plan per find	

		TRAUMA RN BEDSIDE CHECKLIST: Hip Fracture Pathway
PATIENT N	NAME:	MRN: Date:
CRITERI A	0	 PATIENT MEETS INCLUSION CRITERIA (REVIEWED WITH ED ATTENDING/SENIOR RESIDENT): Diagnosis of proximal 1/3 femur fracture on x-ray made and no exclusion criteria exist
EM Team Care	0 0 0 0 0	EM team: ORDERS PLACED (within 20 minutes of arrival) Testing: XR Hip, pelvis. If highly suspicious for fracture: CXR; CBC, CMP, PT/PTT, Type/Screen, EKG, Ethanol, HgbA1c Consider based on case: cardiac enzymes, UA Pain Control: IV Tylenol. Fentanyl (prn) NPO, IV maintenance fluids
Level C Activation	0 0 0 0 0 0 0 0	Level C Hip Activation Made: Trauma RNs will facilitate communication and Hip Pathway Checklist/Timelines • Called by ED Team once hip fracture diagnosis made & higher level trauma activation criteria not met. • Time of Activation: Trauma Service at bedside: (Goal < 60 minutes) Ortho to bedside at (Goal < 60 minutes) Anesthesia notified by Ortho (ANES attending #18313): ANES Bedside (Time:), Goal < 4 hrs Ortho requesting Peripheral Nerve Block (PNB) [] YES [] NO Ortho resident to mark site for PNB Hospitalist consult (if needed, see protocol) to bedside (Time:) (Goal < 120 minutes). (See criteria)
	0 0	Admitting service identified per protocol: Admit order written. Time: (Goal <120 minutes from Activation/Consult Time).
ADMISSION & PRE-OPERATIVE PLANNING	0 0 <u>ANES:</u> 0 <u>IM (if inv</u>	Surgical Consent Obtained & Patient/family aware of plan Order DVT prophylaxis OR scheduled time Goal < 24 hours, documented in note. Peri-operative antibiotics ordered Pain management plan discussed with Ortho and IM.