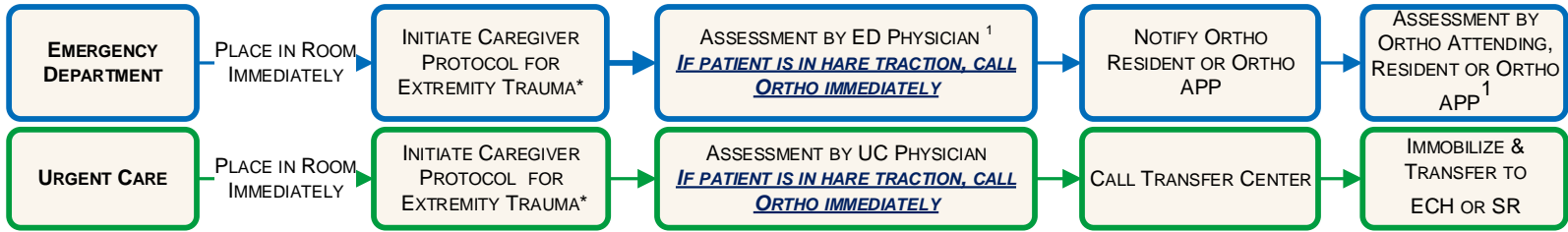


MANAGEMENT OF AN ISOLATED DIAPHYSEAL FEMUR FRACTURE

(SEE INCLUSION/EXCLUSION CRITERIA ON PAGE 2*)



ALL FEMUR FRACTURE AGES ≤ 36 MONTHS - REQUIRE IMMEDIATE SW CONSULT TO SCREEN FOR NAT

***IF OR REQUIRED, PATIENT MUST BE IN OR WITHIN ≤ 18 HOURS FROM TIME OF ARRIVAL TO ED**

CONSULT SOCIAL WORK IF NAT SUSPECTED, REGARDLESS OF AGE

AGE ≤ 12 MONTHS (ASSUME NAT)

EG – ADMIT TRAUMA SERVICE

SR – ADMIT PEDIATRIC SERVICE

*** REQUIRED-SW CONSULT TO SCREEN FOR NAT**

IMMOBILIZATION IN ED

RECOMMENDED: (CHOOSE 1)

- PAVLIK HARNESS
- POSTERIOR SPLINT

APPLIED IN ED BY ORTHO PHYSICIAN OR DESIGNEE

DISPOSITION FROM ED

- ADMIT PATIENT TO SERVICE ABOVE WITH ORTHO CONSULT
- ADDRESS PAIN MANAGEMENT AND DOCUMENT NV STATUS PRIOR TO GOING TO FLOOR

INPATIENT INTERVENTIONS

- FOR PATIENTS NEEDING A SPICA CAST: **TO OR WITHIN 18 HOURS OF TIME OF ARRIVAL FOR CAST APPLICATION**
- PAIN MANAGEMENT
- MONITOR NV STATUS
- MAINTAIN HARNESS/SPLINT APPLICATION

DISCHARGE

- IF NAT CONCERNS ADDRESSED
- PAVLIK HARNESS, POSTERIOR SPLINT, OR SPICA CAST
- PAVLIK / SPLINT / SPICA MANAGEMENT EDUCATION
- CAR SEAT EDUCATION
- FOLLOW-UP AS DIRECTED BY ORTHOPEDIC SURGERY
- PAIN MANAGEMENT: PROVIDE PRESCRIPTION ON DISCHARGE

AGE > 12 MONTHS

NAT SUSPECTED ADMISSION:

EG – TRAUMA SERVICE

SR – PEDIATRIC SERVICE

NAT NOT SUSPECTED – ADMISSION:

12-17 MONTHS – PEDIATRIC SERVICE

≥ 18 MONTHS – ORTHO SERVICE

(ONLY AFTER CLEARED BY SW IN ED)

IMMOBILIZATION IN ED

RECOMMENDED: (CHOOSE 1)

- BUCKS TRACTION
- KNEE IMMOBILIZER
- POSTERIOR SPLINT

APPLIED IN ED BY ORTHO PHYSICIAN OR DESIGNEE

DISPOSITION FROM ED

- ADMIT PATIENT TO SERVICE ABOVE
- ADDRESS PAIN MANAGEMENT AND DOCUMENT NV STATUS PRIOR TO GOING TO FLOOR

ORTHO ADMISSION - UNIT PREFERRED

SR – 4 SOUTH ECH – 4 EAST

INPATIENT INTERVENTIONS

- **TO OR WITHIN 18 HOURS OF ARRIVAL TIME TO ED FOR DEFINITIVE TREATMENT**
- SPICA CAST PETEALED AS INDICATED
- PT CONSULT
- PAIN MANAGEMENT
- MONITOR NV STATUS
- ICE AND ELEVATE AS APPROPRIATE

DISCHARGE

- CAST CARE EDUCATION
- SPICA CARE VIDEO IF APPROPRIATE
- CAR SEAT EDUCATION IF APPROPRIATE
- MOBILITY REQUIREMENTS ADDRESSED (I.E. WHEELCHAIR, WALKER, CRUTCHES)
- FOLLOW-UP AS DIRECTED BY ORTHOPEDIC SURGERY
- PAIN MANAGEMENT: PROVIDE PRESCRIPTION ON DISCHARGE

*CAREGIVER INITIATED PROTOCOL

- APPLY ICE TO AFFECTED AREA IF INJURY IS LESS THAN 24 HOURS OLD
- ELEVATE AFFECTED LIMB
- PLACE AFFECTED LIMB IN POSITION OF COMFORT AND IMMOBILIZE APPROPRIATELY
- MANAGE PAIN PER CAREGIVER INITIATED ANALGESIA PROTOCOL
- X-RAY PER CAREGIVER INITIATED PROTOCOL

ADDITIONAL X-RAY VIEWS PER PHYSICIAN ORDER

¹ASSESSMENT OF FRACTURES

- REMOVE ALL DRESSINGS & VISUALIZE AREA
 - ASSESS FOR DISPLACEMENT
 - NEURO VASCULAR SWELLING (NV)
 - SOFT TISSUE SWELLING
 - SOFT TISSUE ENVELOPE
- PROMPT EVALUATION SHOULD OCCUR AS INDICATED BY PATIENT CONDITION

BUCKS TRACTION

- USE IF SKIN IS INTACT AND OF NORMAL QUALITY
- TRACTION WEIGHT**
- 10% OF BODY WEIGHT
 - MAX TRACTION WEIGHT IS 15 POUNDS (6.8KG)

CAST CARE

- REFER TO SPICA CAST CARE EDUCATION SHEET
- KEEP CAST CLEAN AND DRY
- ELEVATE ON PILLOWS
- ASSESS NV STATUS WITH VS

PT GOALS

PATIENT/CAREGIVER WILL INDEPENDENTLY DEMONSTRATE SAFE FUNCTIONAL MOBILITY THAT IS APPROPRIATE TO PATIENT NEEDS WITH THE EQUIPMENT RECOMMENDED BY A LICENSED PHYSICAL THERAPIST.

PAIN MANAGEMENT

- INCLUDES IV OR ORAL PAIN CONTROL AS INDICATED
- POSITIONING AND CAST CARE

DISCHARGE CRITERIA

- IF CONCERN FOR NAT: **SOCIAL WORK TO ESTABLISH CLEAR DISCHARGE PLAN PRIOR TO PATIENT BEING DISCHARGED**
- NV STATUS INTACT
- MEETS PT GOALS
- PAIN CONTROLLED WITH ORAL MEDICATION



***INCLUSION CRITERIA:**
ISOLATED DIAPHYSEAL FEMUR FRACTURES ADMITTED TO THE ED

***EXCLUSION CRITERIA:**
ANY PATIENT WITH A CO-MORBIDITY &
TRAUMA PATIENTS WITH MULTISYSTEM INJURY

DEFINITIONS

- NAT: NON ACCIDENTAL TRAUMA
- CPC: CHILD PROTECTIVE SERVICES
- NV – NEURO VASCULAR
- AAOS: AMERICAN ASSOCIATION OF ORTHOPEDIC SURGEONS

PETALING THE SPICA CAST

- **PURPOSE:** TO KEEP THE CAST AND SKIN DRY AND FREE FROM EXPOSURE TO URINE/FECES
- **METHOD:**
 - CAST SHOULD BE PETALED BEFORE PATIENT VOIDS OR STOOLS AND WITHIN 2 HOURS.
- **MATERIALS:**
 - NO LATEX ALLERGIES: MOLESKIN & DUCT TAPE OR WATERPROOF TAPE (I.E. BLENDERM)
 - LATEX ALLERGIES: MOLESKIN & WATERPROOF TAPE (I.E. BLENDERM)
- SEE SPICA CAST TEACHING SHEET



PROPER PETALING OF
THE SPICA CAST

BUCKS TRACTION SAFETY TIPS

WHEN TRANSPORTING PATIENT:

- USE 2 STAFF MEMBERS FOR TRANSPORT
- SECURE WEIGHT TO PREVENT MOVEMENT

CHECK NV STATUS BEFORE AND AFTER TRANSPORT

NOTIFY ORTHO PHYSICIAN OF ANY CHANGES IN NV STATUS

MAXIMUM WEIGHT IS 15 POUNDS

Guideline Data: Data reported for this guideline will only represent patients meeting inclusion criteria; however physicians may deem the guideline appropriate for use for patients presenting with one or more of the exclusion criteria.