Paediatric Orthopaedic QUIZ
What condition is this baby being treated for?
Name two risk factors for Developmental Dysplasia of the Hip
Which hip is suffering Perthes Disease?
Name this condition
Slipped upper femoral epiphysis occurs in thin small children aged 5 - 10 years old.

True or False?
This condition can only be treated with surgery.

True or False?
High arched feet in children should be investigated for a neurological disorder? True or False?
Knee pain in children may be indicative of pathology at the hip.

True or False?
Septic arthritis of a joint can be watched and treated with antibiotics alone?

True or False?
Name the parts of the bone

A

B

C

D
Name this type of fracture.

Can this fracture be managed non-operatively?

What 2 types of structures would you be concerned about with this fracture.
What structure is the fracture through?

Can this type of fracture affect subsequent growth?
This fracture occurred in a 6 month old child with no clear history of trauma. What should you be concerned about?
Answers
What condition is this baby being treated for?
What condition is this baby being treated for?

Developmental Dysplasia of the Hip (DDH)

This is a Pavlik Harness
Name two risk factors for Developmental Dysplasia of the Hip
Name two risk factors for Developmental Dysplasia of the Hip

- Definite risk factors
  - Breech positioning
  - Family history
  - Female sex
  - Oligohydramnios
  - Calcaneovalgus
  - Infantile muscular torticollis
  - Postnatal positioning
Which hip is suffering Perthes Disease?
Which hip is suffering Perthes Disease?

Right

Characterised by fragmentation of the epiphysis, flattening and sclerosis.
Name this condition
Slipped Upper Femoral Epiphysis
Slipped upper femoral epiphysis occurs in thin small children aged 5 - 10 years old.

True or False?
Slipped upper femoral epiphysis occurs in thin small children aged 5 - 10 years old.

False

Typically affects overweight children, boys > girls, aged 10 - 15
This condition can only be treated with surgery.

True or False?
This condition can only be treated with surgery.

False

Clubfoot

First line treatment is serial manipulation & casting. Most require no major surgery with this treatment.
High arched feet in children should be investigated for a neurological disorder? True or False?
High arched feet in children should be investigated for a neurological disorder?

- >50% neurological
- HMSN
- Spina Bifida
- Syrinx
- Cerebral Palsy

True
Knee pain in children may be indicative of pathology at the hip.

True or False?
Knee pain in children may be indicative of pathology at the hip.

**True**

Perthes disease

Presented with 3 month history of knee pain which had repeated normal knee x-rays before seeing an orthopaedic surgeon who got a hip x-ray.
Septic arthritis of a joint can be watched and treated with antibiotics alone?

True or False?
Septic arthritis of a joint can be watched and treated with antibiotics alone?

False

Orthopaedic emergency

Needs immediate arthrotomy and lavage.

This is the sequelae of a missed septic arthritis.
Name the parts of the bone

A

B

C

D
Name the parts of the bone

- Epiphysis
- Metaphysis
- Physis
- Diaphysis
Name this type of fracture.

Can this fracture be managed non-operatively?

What 2 types of structures would you be concerned about with this fracture.
Supracondylar Fracture

Can this fracture be managed non-operatively?

Needs reduction & pinning

What 2 types of structures would you be concerned about with this fracture.

Nerves and Arteries
What structure is the fracture through?

Can this type of fracture affect subsequent growth?
What structure is the fracture through?

The physis

Can this type of fracture affect subsequent growth?

Yes - ~2% risk
This fracture occurred in a 6 month old child with no clear history of trauma. What should you be concerned about?
This fracture occurred in a 6 month old child with no clear history of trauma. What should you be concerned about?

Non Accidental Injury - suspect in any lower limb fracture in child before walking age.
Thank you