



DIFFERENTIAL DIAGNOSIS OF ACUTE HIP PAIN IN CHILDREN

- Part 1

Quarterly Newsletter
September 2018 Edition

DIFFERENTIAL DIAGNOSIS OF ACUTE HIP PAIN IN CHILDREN

PART 1 - COMMON CAUSES & SYMPTOMS

Osteomyelitis / Septic Arthritis

Osteomyelitis is infection of the bones and muscles near the hip joint, whereas **septic arthritis** is infection in the hip joint

- Majority of children are less than four
- May have source of infection elsewhere
- Proximal femur is the most common site of bone infection in children

Symptoms:

- General Signs of sepsis – fever, ill appearing
- Hip is usually held VERY STILL in flexed and abducted position
- May refuse to stand, walk, limp

Perthes

A form of osteonecrosis of avascular necrosis of the femoral head and occurs when the blood flow to the hip joint and surrounding bone is temporarily interrupted (for reasons unknown).

- Typically presents in children 4-8 years
- M:F=4:1

Symptoms:

- Pain, Limp
- Irritable joint
- Reduced abduction and internal rotation

Slipped Upper Femoral Epiphysis (SUFE)

Displacement of femoral epiphysis

- Children going through pubertal growth spurt
- More common in males than females
- Obesity, hypogonadism

Symptoms:

- Pain in the groin, anterior thigh and or knee (not uncommon to present with knee pain alone)
- Acute or acute on chronic
- Acutely – hip is irritable
- Leg maybe shortened and externally rotated

Developmental Dysplasia of the Hip (DDH)

Abnormal development of the hip where the femur head is not stable within the socket.

- Less commonly seen in the community because of excellent screening in hospital
- F:M = 7:1
- 5-20 per 1000 live births, majority stabilises by 3 wks to 1-2 per 1000 live births
- More common in the left than right hip
- One in five are bilateral
- Genetic Factors – tend to run in families
- Intra-uterine – breech position a common cause

Symptoms:

- Asymmetric skin creases, short, internally rotated, reduced abduction
- Waddling gait especially with bilateral DDH
- Delayed walking

(Note: Part 2 of the Newsletter will summarise key methods of diagnosis)

Summary of causes:

TRAUMA

INFECTION

- Osteomyelitis / Septic Arthritis
- Psoas Abscess
- Abdominal / pelvic

MECHANICAL

- Perthes
- Slipped Upper Femoral Epiphysis (SUFE)
- Developmental Dysplasia of the Hip (DDH)

INFLAMMATORY

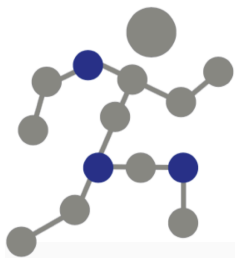
NEOPLASTIC / INFILTRATIVE

- Osteoid Osteoma
- Leukemia
- Solid tumor – primary or secondary
- PVNS

OTHER

- Sickle Cell Crisis

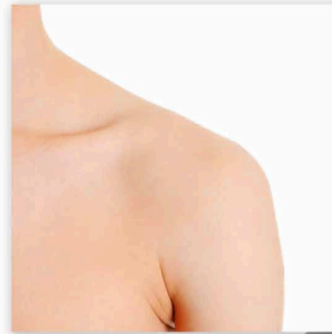




Western Orthopaedics
HIP • KNEE • SHOULDERS

Dr Pavitar Sunner

M.B., B.S., F.R.A.C.S., (Orthopaedics)
Western Orthopaedics



About your Doctor

Dr Sunner is an Orthopaedic Surgeon practising in the outer Western Suburbs of Sydney NSW. He is both Australian and internationally trained (Canada). Operating from various locations allows Dr Sunner to offer his orthopaedic expertise to a large cross-section of patients. Dr Sunner values time with his patients, ensuring they are comfortable and well informed.

For your convenience, Dr Sunner has launched a website at www.westernorthopaedics.com.au with extensive patient information. Dr Sunner and the Western Orthopaedics staff look forward to being of assistance to you.

Background and Training

Dr Sunner completed his medical degree at the university of Sydney in 1989. Following his orthopaedic training in North Side Sydney Training program, he did a one year fellowship in arthroscopic surgery of the knee and shoulder/ sports medicine in Winnipeg, Canada. He has been in practice since returning from Canada in 2002.

Experience

Dr Sunner provides orthopaedic services in hip, knee, shoulder reconstruction and arthroplasty.

Dr Sunner treats soft tissue injuries, as well as arthritis of these joints. He offers total hip replacements, Birmingham resurfacing hip replacements. total or partial knee replacements, total shoulder replacements, shoulder hemiarthroplasties in addition to reverse total shoulder replacement. He incorporates computer navigation in knee replacement surgery.

Dr Sunner does arthroscopic knee reconstructions, shoulder stabilisations, hip arthroscopy and rotator cuff repairs of the shoulder.

Speciality

- Knee
- Hips
- Shoulders
- Sports medicine

Association

- Australian Orthopaedic Association (AOA)
- Australian Society of Orthopaedic Surgeons (ASOS)
- International Society of Arthroscopy, Knee Surgery & Orthopaedic Sports Medicine (ISAKOS)
- Royal Australian College of Surgeons
- Australian Medical Association (AMA)

Consulting Rooms

Nepean

Nepean Private Specialist
Centre
(Primary Practice)
Suite 13B, Level 3
1A Barber Avenue
Penrith, NSW 2750

Baulkham Hills Sky City

Suite 116, Level 1
20B Lexington Drive
Norwest Business Park
Baulkham Hills,
NSW 2153

Merrylands

21 Memorial Avenue
Merrylands, NSW 2160

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Hospitals

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