SCREENING FOR DEVELOPMENTAL DYSPLASIA OF THE HIP

Orthopedic Deparment

RISK FACTORS

- *Risk factors: breech birth, female gender, genetics.
- 1% -10% of infants with risk factors
- 10%-27% of all infants diagnosed with DDH in population-based studies have identified risk factors other than female gender

U.S. Preventive Services Task Force."Screening for Developmental Dysplasia of the Hip:
Recommendation Statement" Pediatrics.2006;117:898-902

SELECTIVE SCREENING OF INFANTS WITH RISK FACTORS

Selective screening: examination, ultrasound, X ray

Exclude selective screening for DDH from the periodic health examination of **high-risk infants** (level II-1 and III evidence)

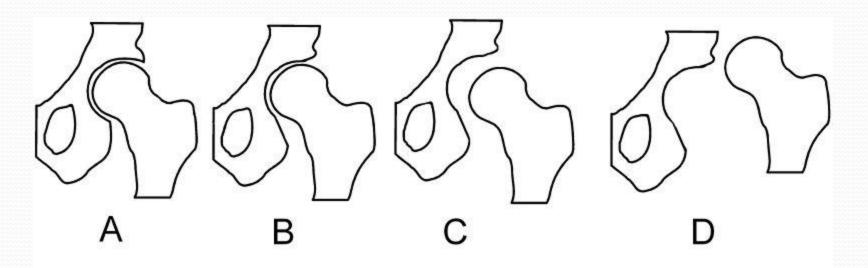
Patel H." Preventive health care, 2001 update: screening and management of developmental dysplasia of the hip in newborns". CMAJ_2001 Jun 12;164(12):1669-77

ULTRASOUND SCREENING

Exclude general ultrasound screening for DDH from the periodic health examination of **infants**

- Shorter D, Hong T, Osborn DA" Screening programmes for developmental dysplasia of the hip in newborn infants: systematic reviews". Evid Based Child Health 2013 Jan;8(1):11-54
- Patel H." Preventive health care, 2001 update: screening and management of developmental dysplasia of the hip in newborns"._CMAJ_2001 Jun 12;164(12):1669-77

Classification of developmental dysplasia of the hip (DDH)



A: Normal. B: Dysplasia. C: Subluxation. D: Luxation

Instability – Ability to subluxate or dislocate the hip with passive manipulation

UNSTABLE HIP

- 60% 80% of abnormal hips of newborns identified by physical examination resolved spontaneously by 2 to 8 weeks.
- 90% of the hips of newborns with mild dysplasia identified by ultrasound resolved spontaneously between 6 weeks and 6 months.

U.S. Preventive Services Task Force."Screening for Developmental Dysplasia of the Hip: Recommendation Statement" Pediatrics.2006;117:898-902

ABDUCTION THERAPY







Denis Browne Bar



E. Royal Children's Hospital, Melbourne, Australia. King Health Info was a children at July lidente.



UNSTABLE HIP TREATMENT

- Insufficient evidence to evaluate the effectiveness of abduction therapy
- Shipman S, Helfand M, Nygren P, Bougatsos C. "Screening for Developmental Dysplasia of the Hip: Systematic Evidence Reviews". Agency for Healthcare Research and Quality (US); 2006 Mar.
- Patel H." Preventive health care, 2001 update: screening and management of developmental dysplasia of the hip in newborns". CMAJ_2001 Jun 12;164(12):1669-77

UNSTABLE HIP TREATMENT

Delayed ultrasound and targeted splinting compared to immediate splinting of infants with unstable hips resulted in no significant difference in the rate of late diagnosed DDH

Shorter D, Hong T, Osborn DA" Screening programmes for developmental dysplasia of the hip in newborn infants: systematic reviews". Evid Based Child Health 2013 Jan;8(1):11-54

