HIP SURVEILLANCE IN CEREBRAL PALSY
DEVELOPING A CARE PATHWAY
AT HOLLAND BLOORVIEW KIDS REHABILITATION HOSPITAL, TORONTO, CANADA
Anne Kawamura MD1,2, Angie Ip MDCM3, Chun Kim BSc PT1, Peggy Curtis RN1, Shauna Kingsnorth PhD1,2, Darcy Fehlings MSc MD1,2
1 Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON
2Bloorview Research Institute, Toronto, ON, 3University of British Columbia, Vancouver, BC

Why is hip surveillance important in cerebral palsy (CP)?
- Hip subluxation is common and can progress to hip dislocation
- Both subluxation and dislocation can cause:
  - Pain
  - Disturbance in gait
  - Seating difficulties
  - Caregiving challenges
- Impact on quality of life
- Implementing hip surveillance can decrease incidence of hip dislocation in children with CP

What is a care pathway?
Care pathways are structured, multidisciplinary, and collaborative algorithms that reflect local context and support the implementation of guidelines and evidence informed best practice

Methods

Before Implementation
- Chart Audit (n=150)
- Local practices for hip surveillance
- Interviews (n=9)
- Clinicians’ approaches and learning needs

Creation of Care Pathway
- Multidisciplinary team
- Education workshops
- Time to implement pathway (3 months)

After Implementation
- Chart Audit (n=150)
- To determine whether practice followed care pathway
- Interviews (n=9)
- Usability
- Modifications
- Educational needs

Results

Before Implementation
- Of children with CP seen at Holland Bloorview had hip surveillance that was consistent with care pathway: 86%
- Of clinicians at Holland Bloorview followed an evidence informed guideline or care pathway: 33%

After Implementation
- Of children with CP seen at Holland Bloorview had hip surveillance that was consistent with care pathway: 95%
- Of clinicians at Holland Bloorview followed an evidence informed guideline or care pathway: 100%

Changes to practice
- Earlier initial hip x-ray
- Fewer x-rays
- Increased referrals to orthopedics/hypertonia clinic

Ongoing education
- Increase visibility of care pathway (Posters, laminated cards)
- Web-based resources (downloadable format, videos)

Contact Information:
Anne Kawamura, MD, FRCPC
akawamura@hollandbloorview.ca