UK-ARCOG
ReDEFINe Audit

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Teaching Registrar Obstetrics and Gynaecology
Singleton Hospital
What is UK-ARCOG?

- Group of trainees from across the UK
  - Core Collaborative Group
  - Deanery Audit Leads
  - Unit reps

- Aim – to run audits across the UK and submit for publication

- Audits – chosen by individuals, run as a pilot, then rolled out UK wide
Audits undertaken so far...

• PPH Audit
  – Data collected May 2015
  – Has been submitted for publication

• ReDEFINe
  – Results still under analysis
  – Due to be presented in NTC December 2016
  – Will then be submitted for publication
ReDEFINE
Aims and Objectives

- Evaluate current national trends in operative obstetric management of fetal malposition in 2nd stage of labour.

- Results will be valuable from an obstetric training perspective.

- Provide essential information to guide future obstetric practice.
Data Collection

• Prospective

• Ran throughout May 2016

• Data collection sheets written by unit representatives

• Data then fed back to DAL and placed in an overall spreadsheet for submission
What information was collected?

- Age
- Parity
- BMI
- Augmentation with synotcinon
- 2nd stage duration
- Head palpable PA
- Position
- Station
- Caput/moulding
- Indication
- Rotation
- Mode of delivery (including number of pulls)
- Analgesia
- Supervision and grade of doctor
- Perineum
- Blood loss
- Shoulder dystocia
- Birth weight
- SCBU admission
Results
Which units participated?

<table>
<thead>
<tr>
<th>UNIT</th>
<th>TRAINEE’S</th>
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<tbody>
<tr>
<td>UHW</td>
<td>Angharad Jones</td>
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<td>Kiran Jilani</td>
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<td>Royal Gwent</td>
<td>Lisa Pilkington</td>
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<tr>
<td>Prince Charles</td>
<td>Cath Bradshaw</td>
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<td>Tipswalo Day</td>
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<td>Sam Jones</td>
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<td></td>
<td>Caryl Thomas</td>
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<tr>
<td>Ysbyty Gwynedd</td>
<td>Ruth Roberts</td>
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<td>Noreen Haque</td>
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</table>
Total Number of Deliveries 1559

- Total Number of Deliveries
- LSCS
- ELSCS
- Instrumental Deliveries
- 3rd/4th Degree Tears

<table>
<thead>
<tr>
<th>Hospital</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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<td>3rd/4th Degree Tears</td>
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<td>500</td>
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</table>
Number of Deliveries Complicated by Malpresentation in the Second Stage

Number of Patients

Hospital A: 8
Hospital B: 7
Hospital C: 1
Hospital D: 9
Hospital E: 12
Hospital F: 8
Total 54

• Demographics:
  – Age range: 14 – 41 years
  – BMI range: 19.1 – 46

• Parity:
  – Multiparous 11 (20%)
  – Primigravida 42 (78%)
  – One missing data (2%)
Singleton or Multiple Pregnancy?

- Singleton: 52
- Multiple: 2
Mode of Delivery

- Assisted vaginal delivery: 31
- Caesarean Section: 23
Mode of Delivery and Grade

LSCS
Instrumental
Maternal Complications

- Third Degree Tear: 3 patients
- Fourth Degree Tear: 0 patients
- Shoulder Dystocia: 2 patients
- Postpartum Haemorrhage: 33 patients
Neonatal Outcomes

- Birth weight: 2550 – 4610g
- Admissions to SCBU: 4 (7%)
- Apgars:
  - 5 minutes: Mode 9
  - 10 minutes: Mode 10
Summary
• Malposition is commonly encountered in the second stage

• On the whole → Good outcomes!

• Supervision – could this improve management? Is this a training opportunity? Introduction of resident consultants?

• Interesting to see the full results at the NTC
Questions?

If you want to suggest an audit for Wales please contact me!

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