The Southern Ontario Obstetric Network
– Past Present and Future

Jon Barrett
Howard Berger
Amanda Cipolla
Marie Czikk
Nir Melamed
Nan Okun
Objectives

- To inform participants of background to the SOON Network – Jon Barrett
- To Review the Quality of Care dashboard indicators for the Network – Jon Barrett on behalf of Nir Melamed
- To summarize existing Quality of Care Intervention Projects – of PPH and Shoulder Dystocia – Jon Barrett
- To inform members of Planned Quality intervention on LSCS in Labor – Nan Okun on behalf of Amanda Cipolla
- To inform members of planned Pre Term Birth Protocol – Marie Czikk
- To Inform members of Funded CIHR grant and its implementation in the network. Howard Berger on behalf of Beth and Nir
The Past
October 2013
33 Obstetric leaders people from 13 GTA Hospital

Shared Vision: To become an international leader in research, best practices and advocacy in women’s and infant’s health by leveraging the power inherent in its GTA–wide collaborative approach

Shared Goal : To Improve quality and standards of care; Conduct clinical research; Develop a shared advocacy; Promote knowledge sharing.
Nov 2016

GTA OBS + MacMaster

CIHR IRSC
Canadian Institutes
of Health Research

Southern Ontario Obstetric Network

http://www.obgyn.utoronto.ca/soon
List of SOON Hospitals

- Mount Sinai Hospital
- North York General Hospital
- The Scarborough and Rouge Hospital – Centenary
- The Scarborough and Rouge Hospital – Birchmount
- The Scarborough and Rouge Hospital – General
- Royal Victoria Regional Health Centre
- Southlake Regional Health Centre
- St. Joseph’s Health Centre Toronto
- St. Michael’s Hospital
- Sunnybrook Health Sciences Centre
- Toronto East General Hospital
- Trillium Health Partners – Credit Valley Hospital
- Trillium Health Partners – Mississauga Hospital
- William Osler Health Centre – Brampton Civic
- William Osler Health Centre – Etobicoke General Hospital
- Mackenzie Health – Mackenzie Richmond Hill Hospital
- Humber River Hospital
- McMaster Hospital – Hamilton
The Three Pillars

Sustainability

Quality

Policy

Research
Pillar 1 Quality of Care

BORN
Ontario

Written policies, standards & procedures

Learning & improving services

Staff training

Supervision

Corrective Action

Internal & external audit
<table>
<thead>
<tr>
<th>Indicator name</th>
<th>Numerator</th>
<th>Denominator</th>
<th>Exclusions</th>
<th>Stratification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission to NICU at term</td>
<td>Term newborns (&gt;=37+0 weeks) admitted to NICU</td>
<td>All term live newborns</td>
<td>Congenital anomalies</td>
<td>Mode of delivery</td>
</tr>
<tr>
<td>CS at 2nd stage</td>
<td>CS at 2nd stage</td>
<td>Overall deliveries</td>
<td>Deliveries &lt;34+0 weeks</td>
<td>Parity Indication (dystocia, NRFHR)</td>
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<tr>
<td>OASIS</td>
<td>Deliveries complicated by OASIS</td>
<td>Overall vaginal (spontaneous or instrumental) deliveries</td>
<td>Deliveries &lt;34+0 weeks Delivery by CS</td>
<td>Parity Instrumental delivery Episiotomy 3rd vs. 4th degree</td>
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<tr>
<td>PPH</td>
<td>Deliveries complicated by PPH</td>
<td>Overall deliveries</td>
<td>Deliveries &lt;24+0 weeks</td>
<td>CS Instrumental deliveries</td>
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<tr>
<td>Shoulder dystocia</td>
<td>Deliveries complicated by shoulder dystocia</td>
<td>Overall vaginal (spontaneous or instrumental) deliveries</td>
<td>Deliveries &lt;34+0 weeks</td>
<td>Diabetes</td>
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<tr>
<td>CS in low-risk primiparous</td>
<td>CS deliveries in low-risk primiparous</td>
<td>Overall deliveries of low-risk primiparous</td>
<td>Deliveries &lt;37+0 weeks Exc diabetes, hypertension, IUGR, anomalies, breech presentation, placenta previa</td>
<td>Maternal age (&lt;35y, 35-40y, &gt;40y)</td>
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</tbody>
</table>
Indicator 6 - Rate of CS in low-risk primiparous women

Mean: 23.3% ± 3.6%
Range: 17.6% to 29.3%

GTA-OBS +/- SD

Rate (%)
Indicator 3 - Rate of anal sphincter injuries

Mean: 4.3% ± 1.5%
Range: 1.4% to 7.0%

Rate (%)

Centre

GTA-OBS +/- SD
The Present – Pillar 1
Shoulder Dystocia in Soon

If not then place your other hand in front of the back shoulder and push to rotate.
Collaboration with Salus Global

Obstetrical Hemorrhage Bundle Implementation Project QI Initiative
Establishing Goals for the Project

1. Processes for developing standard protocols that are collaborative and interdisciplinary

2. CPOE specific to bundle order sets

3. Staff education for obstetrical hemorrhage bundles

4. Equipment, supplies, medications easily available and accessible
PPH in the SOON Network

<table>
<thead>
<tr>
<th>Incidence of PPH</th>
<th>% of PPH cases with a blood transfusion</th>
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<td></td>
<td>A</td>
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<td>B</td>
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<td>C</td>
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Inpatient PPH Statistics
Apr 1 2016 – Jun 30 2016 (FY2016–17 Q1)
(Apr 2016 – January 2017 full period is not finalized in IntelliHealth yet (currently only Q1) – can provide at a later date)

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The Future– Pillar 1
The Future

- The SOON Caesarean Section Initiative
- Dr. Cipolla and Okun
The Three Pillars

Sustainability

Quality
Policy
Research
PRE TERM BIRTH – Dr. Czikk
The Three Pillars

Sustainability

Quality
Policy
Research
CIHR Grant – Dr. Berger