The First Annual Lifebox National Challenge

October 13, 2013
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The Need

• Surgery can treat 11% of global burden of disease

• Timely surgery is as cost-effective as MMR vaccine

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The Interest

<table>
<thead>
<tr>
<th>Resident interest in international electives</th>
<th>Program belief in educational value</th>
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<tr>
<td><img src="chart1.png" alt="Pie chart" /> 92%</td>
<td><img src="chart2.png" alt="Pie chart" /> 91%</td>
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American Society of Anesthesiologists

World Health Organization

Lifebox
Saving lives through safer surgery
The First Annual Lifebox National Challenge
The WHO Surgical Safety Checklist

Surgical Safety Checklist

Before induction of anaesthesia
(with at least nurse and anaesthetist)

- Has the patient confirmed his/her identity, site, procedure, and consent?
  - Yes
  - Not applicable

- Is the site marked?
  - Yes
  - Not applicable

- Is the anaesthesia machine and medication check complete?
  - Yes

- Is the pulse oximeter on the patient and functioning?
  - Yes

- Does the patient have a:
  - Known allergy?
    - No
    - Yes
  - Difficult airway or aspiration risk?
    - No
    - Yes, and equipment/assistance available
  - Risk of >500ml blood loss (7ml/kg in children)?
    - No
    - Yes, and two IVs/central access and fluids planned

Before skin incision
(with nurse, anaesthetist and surgeon)

- Confirm all team members have introduced themselves by name and role.
- Confirm the patient’s name, procedure, and where the incision will be made.
- Has antibiotic prophylaxis been given within the last 60 minutes?
  - Yes
  - Not applicable

Anticipated Critical Events

To Surgeon:
- What are the critical or non-routine steps?
- How long will the case take?
- What is the anticipated blood loss?

To Anaesthetist:
- Are there any patient-specific concerns?

To Nursing Team:
- Has sterility (including indicator results) been confirmed?
- Are there equipment issues or any concerns?
- Is essential imaging displayed?
  - Yes
  - Not applicable

Nurse Verbally Confirms:
- The name of the procedure
- Completion of instrument, sponge and needle counts
- Specimen labelling (read specimen labels aloud, including patient name)
- Whether there are any equipment problems to be addressed

To Surgeon, Anaesthetist and Nurse:
- What are the key concerns for recovery and management of this patient?
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Challenge Details

• Nation-wide competition of residency programs to raise money for Lifebox
• January 1 to September 1, 2014
• Fundraising totals adjusted by size of program
• Donations via ASACharity.org
  – Designate program in “Tribute” information
The single largest residency contribution will be rewarded with a one-time matching gift up to $12,500 made in the name of that program.
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<td><strong>To learn more about the National Challenge</strong></td>
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