SAFE Obstetric Anaesthesia Report
Mara & Kagera regions, Tanzania

25-28 Sept 2018, 5-8 Nov 2018, 14-16 Jan 2019

Country Background

Tanzania is a country in East Africa bordered by Kenya and Uganda to the north, Rwanda, Burundi, and the Democratic Republic of the Congo to the west, and Zambia, Malawi, and Mozambique to the south. The country's eastern border lies on the Indian Ocean.

In Tanzania, anaesthesia is extremely under resourced, with only 50 physician anaesthesia providers, 140 nurse anaesthetists and 40 other level providers, for a population of almost 54 million. This was the 4th SAFE Obstetric Anaesthesia course in Tanzania, the previous 3 held in Moshi, Mwanza and Dar Es Salaam in 2017 & 2018.
SAFE Obstetric Anaesthesia Courses

We delivered three SAFE Obstetric Anaesthesia course (and Train-the-Trainers courses) to participants in the Mara and Kagera regions as part of the Safe Surgery 2020 program. A total of 59 participants and 38 trainers were trained.

The course was supported by:

- World Federation of Societies of Anaesthesiologists (WFSA)
- Society of Anaesthesiologists of Tanzania (SATA)
- GE Foundation
- ASSIST International
- Association of Anaesthetists

For each of the courses, SATA supported coordination of activities. The JHPIego Mara region representative assisted with the Mara course planning, and the Regional Medical Officers and District Medical Officers with participant invites. Printing was carried out locally, and equipment was transported from the UK. The local Assist International representative was present at all three courses and assisted with arrangements.

Course 1: 25-28th September 2018, Bokoba, Kagera

Kolping Hotel was the venue and accommodated faculty and participants. We had use of 1 large conference area which easily housed a lecture area and four breakout areas. A projector was supplied by the hotel. Refreshments, lunch and dinner were provided in the hotel dining room. We also had use of an additional room for administration.

There were 21 anaesthesia providers who completed the course. Participants attended from 17 different facilities. The course was taught by 2 international and 9 local faculty. The Regional Medical Officer formally opened the course. A Train the Trainers course was conducted following the course. There were 17 participants, 10 were selected from the course and the remainder selected by SATA. The TTT was taught by the same faculty of the preceding course.
Summary Results of Pre- and Post-Course knowledge test (MCQ)

<table>
<thead>
<tr>
<th></th>
<th>Average (percentage score)</th>
<th>Range</th>
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</thead>
<tbody>
<tr>
<td>Pre-course MCQ</td>
<td>35 (70%)</td>
<td>25-41</td>
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<tr>
<td>Post-course MCQ</td>
<td>39 (77%)</td>
<td>33-44</td>
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Summary Results Pre- and Post-Course Skills Test

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<tr>
<th></th>
<th>Average (percentage score)</th>
<th>Range</th>
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<tbody>
<tr>
<td>Pre-course Skills Test</td>
<td>5.5 (55%)</td>
<td>2-9.5</td>
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<tr>
<td>Post-course Skills Test</td>
<td>8.9 (89%)</td>
<td>7-10</td>
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Feedback was very positive. Average scores were between 8.4-9.3. Comments focused on running the course more times and increasing the time of the training. Similarly, TTT average scores were all between 8.7-9.4 with comments focused on more time and more practice.
Course 2: 5-8th November 2018, Musoma, Mara

Afrilux Hotel was the venue and accommodated faculty and participants. We had use of 1 large conference area which housed lectures and four breakout areas. A projector was supplied by the hotel. There were 11 faculty (1 international and 10 local)

There were 20 anaesthesia providers (approximately 33 estimated in the region) who participated in the SAFE Obstetrics course and 19 completed the course (1 participant left), and 18/20 hospitals in the region providing surgery had a participant attending. A Train the Trainers course was conducted following the course. There were 11 participants, 6 were selected from the course and the remainder selected by SATA from outside the region. The TTT was taught by the same faculty of the preceding course.

Summary Results of Pre- and Post-Course knowledge test (MCQ)

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<tr>
<td>Pre-course MCQ</td>
<td>33 (66%)</td>
<td>23-40</td>
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<tr>
<td>Post-course MCQ</td>
<td>36 (72%)</td>
<td>25-44</td>
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Summary Results Pre- and Post-Course Skills Test

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<tr>
<td>Pre-course Skills Test</td>
<td>5 (50%)</td>
<td>2-8</td>
</tr>
<tr>
<td>Post-course Skills Test</td>
<td>7.6 (76%)</td>
<td>3-10</td>
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</table>
Feedback

All participants who completed the course were asked to provide feedback by anonymous course evaluation form. Feedback was positive. Average scores were between 8.1-9.4 for the course and between 8.6-9.7 for the TTT course.

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"Increase the number of days training"
"Plan to repeat the course every year"
"The course should be ongoing"
"We need another workshop at the beginning of next year"
"It was very good session, please do it again. We will need refresher courses"
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"More time to practice to be more competent" [TOT]
"For sure it is enjoyable course" [TOT]
"I enjoyed it very much" [TOT]
"The course improved my teaching presentation " [TOT]
"Should be a longer course for more practice"[TOT]
"Include how to bring people with different perception to single point"[TOT]
"This is very important for my confidence"[TOT]
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Course 2: 14-16th January 2019, Bukoba, Kagera

This was the final course and included participants from both regions. Kolping Hotel was the venue again. 18 anaesthesia providers attended, 13 from Kagera and 5 from Mara regions. There were 12 faculty (6 local & 6 international). A TTT course was held for 10 participants.

Summary Results of Pre- and Post-Course knowledge test (MCQ)

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<td>Pre-course MCQ</td>
<td>36 (72%)</td>
<td>29-44</td>
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<tr>
<td>Post-course MCQ</td>
<td>39 (79%)</td>
<td>37-48</td>
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Summary Results Pre- and Post-Course Skills Test

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<td>Pre-course Skills Test</td>
<td>5.8 (58%)</td>
<td>2-10</td>
</tr>
<tr>
<td>Post-course Skills Test</td>
<td>8.6 (86%)</td>
<td>7-10</td>
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</tbody>
</table>
Feedback

All participants who completed the course were asked to provide feedback by anonymous course evaluation form. Feedback was positive. Average scores were between 8.6-9.7/10 for the course and above 9.3/10 for the TTT course.

“I wish I would like to have this course once more”

“Call us to this course as many times as possible”

“We need more training like this because we are improving our knowledge”

“3 days is not enough, please increase more time”

“Thanks very much for organising a very useful teachings”

“I want to thank all who arranged this program, they should keep on refreshing to give us new update”

“This course should be repeated and should be added up to 5 days”

“This course is good and maybe it’s better to plan to at least be conducted every year”

Compiled by Jolene Moore