



# Reflecting on 5 years of Primary Trauma Care course experiences in Gondar, Ethiopia.

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UBC General Surgery Residency Program  
Excellent Surgeons

# Disclosures

No personal disclosures.

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# Trauma worldwide



Trauma is a leading cause of morbidity and mortality worldwide

Improvements can be made in trauma care through increasing awareness, providing teaching and supporting the development of trauma systems

# GUH partnership

5 year ongoing partnership based on development of trauma systems and education

Primary Trauma Care course taught in all three deployments, along with two Instructor Training courses

- 2 day course with didactic sessions, scenarios and simulations



# PTC iterations

## 2015: PTC and instructor course

- 14 participants (12 residents in general surgery, 2 anesthetists)

## 2017: PTC and instructor course

- 16 participants (9 PGY 3-4 in general surgery, 2 anesthetists, 5 GP from peripheral sites)

## 2019: PTC

- 14 participants (8 PGY 1-2 in general surgery, 6 anesthetists)

Currently, total of 12 qualified local instructors and 44 trainees  
Additional PTC courses provided by Leicester University





# 2019 course



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# Feedback

Forms filled by participants at the end of the course

Components of feedback and course evaluation:

- Pre-course and post-course tests
- Confidence with management
- Feedback on specific sessions
- Feedback on overall course



# Results

Locally-organized and run PTC course in 2019

Multidisciplinary collaboration and exchange

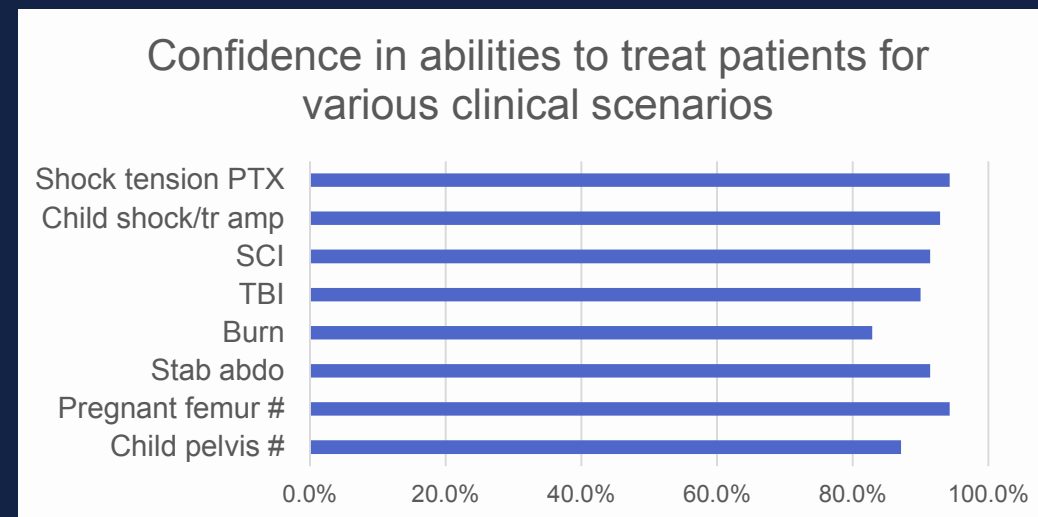
Engagement amongst trainees



# Results

All participants improved, on average by 12.5% (in 2019 vs. 6% in 2017), between the pre-course and post-course test

100% of participants felt more confident in their management of trauma (79% felt definitely more confident)



# Positive feedback



- Importance of teamwork
- Being systematic in 1° and 2° surveys
- Prioritizing interventions
- Gained new skills/improved on existing skills
- Appreciated the skills sessions and simulations



# Suggested improvements



2015:

- More time for scenarios/skills

2017:

- Offer to more junior residents
- Practice skills more rather than only demonstrate (log roll, airway, chest tube)

2019:

- Offer to interns and R1s
- Involve other health professionals (ED nurses, rural GP)
- More discussions/simulations around complex scenarios



# Specific comments

How would what you learned have changed your management in the last trauma case you saw?

- “ Early detection and monitoring of ABCDEs would have caught the deterioration and ultimate death of a patient with TBI.”
- “Early detection and rapid treatment with fasciotomies for compartment syndrome would have saved the patient’s limb.”





# Discussion

5 years in review:

- Successful educational course appreciated by participants
- Gondar team now able to run the course independently

Future directions:

- Evaluate retention of information and confidence post-course
- Transition to locally-lead PTC courses in GUH and regional hospitals
- Include more health professionals in course and simulations

# Acknowledgements

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Any questions?

