

PFCCS Nepal 2019

Submitted by

1. Ajay Khilanani, MD
Medical Director, Digital Health
Pediatric Critical Care Medicine
Helen DeVos Children's Hospital, Grand Rapids, MI, USA
Assistant Professor
Michigan State University
ajay.khilanani@helendevoschildrens.org
2. Sangita Basnet, MD FAAP FCCM
Professor and Chief, Pediatric Critical Care
Southern Illinois School of Medicine, Springfield, IL
sangitabasnet@yahoo.com

Project Proposal Summary

This is a request for \$1580 to conduct the Pediatric Fundamental Critical Care Support Course (PFCCS) in Nepal on October 18-19, 2019.

Statement of Need and Background

With improving mortality rates and preventive measures, the general burden of critical illness is increasing in Nepal. The demand and need for well-trained critical care staff is also increasing. However, like most developing countries, pediatric ICU (PICU) physicians in Nepal are not fellowship trained. Instead, their PICUs rely on general pediatricians to function at the level of an intensivist. That's a difficult task for someone without adequate training, and leaves an area to improve upon.

PFCCS

PFCCS is a 2 full day course developed by the Society of Critical Care Medicine (SCCM) as a resource for those interested in learning to recognize critical illness and care for the critically ill pediatric patient in the absence of an intensivist. The course, that is licensed by SCCM, and its companion text serve as valuable education tools. After attending the course and completing the requirements, the participants receive a PFCCS Provider Certificate from SCCM.

PFCCS in Nepal

We have conducted the course in Nepal for the past 3 years now. It has been well received by the 84 pediatricians who have been trained so far. Several faculty travel from the United States to teach this course on a voluntary basis. They pay for their own flight and logistics in Nepal. We have also trained local faculty, 3 of whom are instructors of PFCCS recognized by the SCCM.

We partner with the Nepal Pediatric Society (NEPAS) and Patan Academy of Health Sciences (PAHS), Patan Hospital. In fact, NEPAS recognized the need for the annual course and approached us to conduct it under its banner. NEPAS recruits and registers participants and helps with local logistics. Patan Hospital is the venue where the 2-day course is held every year.

ANMF (ERC Project)

ANMF has supported this project as its own education project (an ERC project) for the past 2 years. We would like to submit this application to request funding support to conduct this course October 18- 19, 2019. In the past ANMF has purchased the license and books directly from SCCM. SCCM then sends the book to Nepal from its headquarters in Illinois.

Population Served:

Anticipated number of healthcare professionals attending the course: 30

Goals of the program

The ultimate goal of this program is to improve the care of critically ill children in Nepal by training Nepalese pediatricians. We also want to emphasize the importance of group collaboration and team work that is an integral part of this course.

1. Provide a fun, 2-day, Pediatric Critical Care course that not only advances medical knowledge and skills, but also reinforces educational concepts through case-based learning and simulation.
2. Continue this recurring course to physicians who care for many children but lack formalized curriculum/training in pediatric critical care.
3. Create a self-sufficient educational model by training Nepalese instructors who can teach/direct subsequent courses; thereby making them independent of external (international) teachers.
4. Reinforce a long-term educational/clinical partnership based in trust, compassion, and substantive education.
5. Ultimately, provide better care to the Nepalese community by advancing local medical knowledge and clinical skills.

Evaluation of the course

1. There is a pretest and a post test that is a requirement to complete this course.
2. A minimum of 70% on the post test is required of all participants to pass the course and become a provider.
3. Passing the course on the first attempt by all participants confirms the success of course.
4. Improved collegiality amongst participating physician trainees and faculty members.
5. A minimum of (but not limited to) 2 local physicians who successfully complete the training course and serve as course instructors within the next 1 year; with at least 1 local physician becoming a course director within the next 1 year.
6. Feedback from each participant to ensure that future courses continue to serve this community's needs well.

Budget: \$1580

Includes educational material for course participants in Nepal and licensing of the course from SCCM. Specifically, the costs include:

1. Course license and teaching materials: \$220 --Subsidized by SCCM for Non Profit Tier 1 Low Income Country (LIC)
2. Individual PFCCS textbooks (with transportation) to be given to each of the 30

participants: \$1360 (~\$45 per student) --Subsidized by SCCM for Non Profit Tier 1 Low Income Country (LIC)

Note: The amount last year was \$1460. However this year the cost of the book has increased.

Timeline:

July 20, 2019: Ajay Khilanani applies for course license.

August 1, 2019: ANMF directly purchases license and text books from SCCM at <https://www.sccm.org/Fundamentals/Pediatric-Fundamental-Critical-Care-Support>

October 18-19, 2019: Course held in Nepal.