

# NIHR Global Health Research Group in Surgical Technologies

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## Upcoming Events

Annual Stakeholder Meeting 11<sup>th</sup>  
November 2019 – Hill Valley Hotel,  
Freetown, Sierra Leone  
[Click here for the meeting agenda](#)

ARSICON 2019, Safe Surgery in  
Rural Area – B.V.V Sangha's  
Nijalingappa Medical College,  
Bagalkot, India  
GHRG-ST will be delivering a  
workshop on GILLS and presenting  
at the main conference.  
More details of the conference will  
be reported in the next newsletter.

## Welcome to the Global Health Research Group

Welcome to the sixth quarterly newsletter from the Global Health Research Group in Surgical Technologies (GHRG-ST). Our newsletters will keep you up to date on the developments of the projects in Sierra Leone and Rural North East India.

## Stakeholder Meeting, Freetown, Sierra Leone - 11<sup>th</sup> November 2019

We are almost ready for our stakeholder meeting taking place at the Hill Valley Hotel in Freetown. The programme for the event is now available and has been sent to all attendees. The team will also attend the Medical and Dental Association of Sierra Leone's Annual Conference which takes place from 15<sup>th</sup> – 16<sup>th</sup> November 2019.

## GASOC #Globalmedtech conference.

GASOC Global Medtech conference was held on 14th September 2019 in Leeds.

At the event Professor David Jayne, Clinical Director of GHRG-ST and Dr Jesudian Gnanaraj, Principal Investigator in India were both invited to speak at the event.

Abstracts from the group were submitted to the conference, we had 2 presentations and 5 posters accepted. James Chandler won the prize for best presentation and Millie Marriott Webb was awarded 3<sup>rd</sup> prize for her poster presentation.

The group also exhibited at the event showcasing laparoscopic innovations for LMICs.



To find out more about the conference [click here](#)

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## Dr Jesudian Gnanaraj visit to Leeds



Our PI in India Dr Gnanaraj visited the team in Leeds in September.

During his visit he attended GHRG-ST meetings, as well as providing feedback to the team on the new prototype GILLS device.



Dr Gnanaraj was an invited speaker to the GASOC conference held in Leeds, more details on the conference are above.

## Papers Accepted

**Lessons identified in delivering an orthopaedic training course in Freetown, Sierra Leone as part of the NIHR Global Health Research Group FIXT trial.**

WS Bolton, AJH Howard, ACW Santos, TJ Chippendale, I Bundu, DG Jayne, AM Wood

## Oral Presentations

**A digitally driven fabrication approach to allow affordable on-site manufacture of a novel upper gastroscop handle.**

JH Chandler, M Chauhan, N Garbin, V Subramanian, KL Obstein, P Valdastri

GASOC Annual Conference, 14<sup>th</sup> September 2019, Leeds

**Evaluating the usability of a low-cost laparoscopic simulator for training medical students and surgical trainees in low and middle income countries**

M Chauhan, N Aruparayil, R Sawhney, C Franco Da Silva, W Bolton, J Burke, A Mishra, D Jayne, P Valdastri

GASOC Annual Conference, 14<sup>th</sup> September 2019, Leeds

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## Poster Presentations

**Collaborative approach to re-design of a lift device for gas insufflation less laparoscopic surgery (GILLS) in low and middle income countries (LMICs).**

M Mariott Webb, P Bridges, N Aruparayil, L Bains, A Mishra, A Quyn, R Hall, P Culmer

GASOC Annual Conference, 14<sup>th</sup> September 2019, Leeds

**Developing low cost techniques to improve the use of Ilizarov circular frame fixators for tibial fractures in low and middle income countries**

U Anyamele, J Godfrey, E Nerwich, B Saravanan, W Bolton, P Culmer, T Stewart

GASOC Annual Conference, 14<sup>th</sup> September 2019, Leeds

**Exploring the need for a structured laparoscopic surgical curriculum: the experiences of rural indian surgeons**

E Wilkinson, N Aruparayil, A Virk, D Jayne

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