



# NIHR Global Health Research Group in Surgical Technologies

Newsletter January 2019

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## Welcome to the Global Health Research Group

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

### GHRG-ST Stakeholder meeting - 25<sup>th</sup> November 2018



In November 2018, GHRG team travelled to B.K.L Walawalker Rural Medical College, Chiplun, India to attend the Association of Rural Surgeons of India's 26<sup>th</sup> Annual National Conference and held the 2<sup>nd</sup> Annual GHRG-ST Stakeholder Meeting at the college.

Prof David Jayne and Noel Aruparayil presented the work of the group at the ARSICON conference, the GHRG-ST conference took place on the 25<sup>th</sup> November 2018.



The GHRG-ST annual meeting morning session was split into two parallel sessions, the first one was Engineering Innovations for Global Surgery in the Rural Setting and the second was Training of Gasless Laparoscopic Surgical Techniques. In the afternoon there was a mixture of lectures and workshops.



The GHRG-ST annual meeting was attended by 50 attendees from India and the UK. Our next annual meeting will be held in Sierra Leone at the end of this year.



## Upcoming Events

Annual Stakeholder Meeting  
2019 – TBC, Sierra Leone

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### Site Initiation Visit, Freetown, Sierra Leone - January 2019



At the beginning of January, the FIXT initiation visit took place in Sierra Leone. The visit was to train nurses and Medical Officers at Connaught Hospital in Freetown on research skills and specific training on the Ilizarov external fixation frame which will be used during the study. Training took place over 1 week and was delivered by Statisticians and a team from Leeds Teaching Hospitals who delivered the Ilizarov training.



The staff who attended the training from Connaught Hospital were a mixture of nurses who are on the wards as well as staff from the emergency department and from theatre. Over the 2 training courses delivered over 70 members of hospital staff attended.



During our visit we met with the Deputy Vice Chancellor of COMAHS and the finance team, we visited a number of private hospitals in Freetown and met with engineering firm, FINIC to discuss the possibility of manufacturing equipment in country to an international standard to create sustainability beyond the study.

The study is due to commence week commencing 28<sup>th</sup> January when we will hopefully recruit the first patient.

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### BJS Global Surgery Special Edition

In early January the British Journal of Surgery published a special edition focused on Global Surgery. GHRG-ST was invited to contribute to the publication. The special edition is available online and is open access, links to our article and the full journal are below.

[Click here](#) to read the full article

[Click here](#) to access the full journal

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### HBIOMED-SL 17<sup>th</sup> - 19<sup>th</sup> October 2018 and West African College of Surgeons Conference, 21<sup>st</sup> - 24<sup>th</sup> January 2019

Our principle investigator in Sierra Leone, Dr Ibrahim Bundu has presented a poster for the FIXT study at the HBIOMED-SL conference in Freetown, Sierra Leone and also at the West African College of Surgeons Conference being held in Dakar, Senegal.

[Click here](#) to find out more

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## Bhalukpong Hope Health Centre - Medical and Surgical Camps, October 2018

The Bhalukpong Hope Health Centre recently undertook a charitable diagnostic medical and surgical camp from 19<sup>th</sup> – 27<sup>th</sup> October 2018. The objective was to take healthcare to patients in very remote villages.

[Click here](#) to read more on the camps.

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## LICAMM TES Award

Dr William Bolton and Dr Mohammed Waduud have been successful with their application to the LICAMM TES award and assist with virtual reality study. Virtual reality teaching will be trialed at Masanga Hospital in Sierra Leone.

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## Upcoming Presentations

Building sustainable partnerships with local researchers for qualitative health systems research

A Virk, T Ensor, W Bolton, D Jayne, R King

QHRN Conference 'Crafting the Future of Qualitative Health Research in a Changing World' 21<sup>st</sup> – 22<sup>nd</sup> March 2019, London

Qualitative research for large-scale sustainable impact on health in low-resource settings

R King, A Virk

QHRN Conference 'Crafting the Future of Qualitative Health Research in a Changing World' 21<sup>st</sup> – 22<sup>nd</sup> March 2019, London

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## Papers Published

Dual-Continuum Design Approach for Intuitive and Low-Cost Upper Gastrointestinal Endoscopy

Nicolo Garbin, Long Wang, James H. Chandler, Keith L. Obstein, Nabil Simaan, Pietro Valdastrì

IEEE Transactions on Biomedical Engineering, 2018 Nov 16.

doi: 10.1109/TBME.2018.2881717

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