BrainIT Meeting

24th May 2024

http://www.brainit.org.uk

Sponsored by: B BRAUN SHARING EXPERTISE

Venue Information

Meeting Room

L006, Ground Floor of the Queen Elizabeth Teaching and Learning Centre, just past the reception desk.

Address

Queen Elizabeth Teaching and Learning Centre,

Queen Elizabeth University Hospital Campus (QEUH)

1345 Govan Road, Glasgow, G51 4TF

Phone – 0141 451 1200

Getting There

Map of the QEUH (Teaching and Learning Centre is number 18 on the map) and public transport guide to reach it: https://www.nhsggc.org.uk/media/238440/qeuh_rhc_campus_map_travel_info.pdf

Car parking is available at the QEUH but can be very busy so it is advisable to use public transport or taxis.

Glasgow Taxis - 0141 429 7070 - https://www.glasgowtaxis.co.uk/

Presentation Schedule

Time	Title	Speaker/Authors	Institution
	Session 1 – Chair: Laura Moss		
10.00 – 10.10	Welcome and BrainIT Introduction	Laura Moss	NHS Greater Glasgow & Clyde, University of Glasgow
10.10 – 10.40	INVITED TALK: TBI-REPORTER - UK Traumatic Brain Injury -Repository and Data Portal Enabling Discovery	William Stewart, Consultant Neuropathologist Honorary Professor (UoG) Adjunct Professor (Penn)	NHS Greater Glasgow & Clyde, University of Glasgow
10.40 – 10.55	Artifact Characterisation Using ICU Waveform Data	Rob Donald	University of Edinburgh
10.55 - 11.10	Regulation of algorithms	Alfie Lloyd, Clinical Research Fellow	NHS Greater Glasgow & Clyde, University of Glasgow
11.10 – 11.25			
11.25-11.45	Coffee Break		
	Session 2 – Chair: Maya Kommer		
11.45 – 12.15	INVITED TALK: Deep Learning Methods for Brain Health Estimation	Michele Svanera, Lecturer, Head of the Brain Imaging and Artificial Intelligence Research lab	University of Glasgow
12.15 – 12.30	Novel non-invasive technology for ICP pulse wave morphology monitoring and analysis	Vilma Putnynaite, Edvinas Chaleckas, Vytautas Petkus, Arminas Ragauskas	Kauno technologijos universitetas
12.30 - 12.45	Novel mode of a heart & lung machine for optimization of brain perfusion during cardiac bypass surgery	Vilma Putnynaite, Edvinas Chaleckas, Vytautas Petkus, Arminas Ragauskas	Kauno technologijos universitetas
12.45 – 13.00	Targeting and monitoring mean arterial pressure in critical illness: a mixed-methods approach	Isla MacKay, Medical Student	University of Edinburgh
13.00 – 13.45	Lunch		

Presentation Schedule

Time	Title	Speaker/Authors	Institution
	Session 3 – Chair: Martin Shaw		
13.45 – 14.00	KidsBrainIT Update	Ian Piper	University of Edinburgh
14.00 – 14.15	Using machine learning to predict childhood brain trauma patients' length of stay: a KidsBrainIT study	John Palmer, PhD Student	University of Edinburgh
14.15 – 14.30	Data Comics: A Novel Aid for Patient Communication?	Sarah Dunn, PhD Student	University of Edinburgh
14.30 – 14.45	A deep learning approach leveraging similarities between patients for clinical event prediction	Hollan Haule, PhD Student	University of Edinburgh
14.45 – 15.00	Reconstruction based anomaly detection for cerebrovascular autoregulation state monitoring from arterial blood pressure and intracranial pressure signals: a proof-of-concept study using experimental data	Bavo Kempen, PhD Student	KU Leuven
15.00 – 15.20	Coffee Break		
	Session 4 – Chair: Richard Boulton		
15.20 – 15.50	INVITED TALK: "Nose" top adventures: the scope beyond conventional brain surgery	Samih Hassan, Consultant Neurosurgeon	NHS Greater Glasgow & Clyde
15.50 – 16.05	International e-Delphi survey to define best practice in the reporting of intracranial pressure monitoring	Maya Kommer, Neurosurgical Trainee, PhD Student	NHS Greater Glasgow & Clyde, University of Glasgow
16.05 – 16.25	Evaluation of the morphology of paediatric intracranical pressure waveforms and correlation with disease classification/Investigation into variation of paediatric intracranial pressure waveforms in traumatic brain injury patients	Amarah Saeed, Medical Student/Mariam Kahn, Medical Student/Morven Minns, Medical Student	University of Glasgow
	Session 5 – Chair: Laura Moss		
16.25 – 17.00	BrainIT Future Project Ideas Discussion	All can contribute	
17.00 – 17.10	Closing Remarks	Laura Moss	

Catering

There will be two coffee breaks and a cold buffet lunch will be provided in the space outside of the meeting room.

We cannot guarantee that the food will be allergy free.

Food and drink is not allowed to be consumed in the meeting room, but there are seats and tables in the vicinity which can be used.

Evening Meal

Time: 6.45pm

Location: The Bothy, 11 Ruthven Lane, Hillhead, Glasgow, G12 9BG

Phone: 0141 334 4040

Further details: https://bothyglasgow.co.uk/