

ICU research in the northern region: an update

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ICU research in the northern region: an update

- CLRN support for ICU research
- Current ICU portfolio studies
- Opportunities for trainees
- Future development
- Contacts



CLRN support for ICU research

- Northumberland, Tyne and Wear
 - 2 Consultant PAs
 - 1.5 Research nurses
- County Durham and Tees Valley
 - 3 Consultant PAs
 - 1 Research nurse



Accrual into NIHR Portfolio Studies in NTW CLRN
October 2008 - September 2009

Primary Topic/SpG	City Hospitals Sunderland	Gateshead Health	North East Ambulance	Northumbria Healthcare	North of Tyne	Northland Tyne & Wear	Newcastle Hospitals	South of Tyne & Wear	South Tyneside	NULL	Total	Percentage	Complexity Adjusted
Cancer	96	151		72	48		606	26	64		1063	8%	9%
DeNDRoN	3	1		66	154	186	281				691	5%	4%
Diabetes		124		96	2583		156	8			2967	21%	12%
Medicines for Children	13						59				72	1%	1%
Mental Health		2		72		205	68	2	113		462	3%	7%
PCRN	21				583		80	445		21	1150	8%	9%
Stroke	244	2		95			89		18		448	3%	4%
Age & Ageing					14		128				142	1%	1%
Anaesthetics													
Cardiovascular		2		97	355		465		1		920	7%	7%
Clinical Genetics	2	1					31		2		36	0%	0%
Critical Care							43				43	0%	0%
Dermatology							116				116	1%	2%
ENT							37				37	0%	1%
Gastrointestinal				6			469		51		526	4%	2%
Health Services Research			18	30	4	71	1	14			138	1%	1%
Hepatology	1	1		1			225				228	2%	1%
Immunology & Inflammation		7		7			70				84	1%	0%
Infectious Diseases & Microbiology	1				7		34				42	0%	0%
Injuries & Accidents	5										5	0%	0%
Metabolic & Endocrine							33				33	0%	0%
Musculoskeletal	2	81		444			698				1225	9%	6%
Nervous System Disorders							42				42	0%	0%
Non Malignant Haematology	9										9	0%	0%
Ophthalmology	36						14				50	0%	1%
Oral & Dental							51				51	0%	1%
Other					10						10	0%	0%
Paediatrics		1		49			30				80	1%	0%
Public Health Research							14				14	0%	0%
Renal							204				204	1%	1%
Reproductive Health & Childbirth	28	18		423	7		1098		15		1589	11%	11%
Respiratory		9					47		1		57	0%	1%
Surgery													
Urogenital	42			370			882				1294	9%	19%
Total	503	400	18	1828	3765	462	6071	495	265	21	13828	100%	100%
Percentage	4%	3%	0%	13%	27%	3%	44%	4%	2%	0%	100%		
Complexity Adjusted	4%	3%	0%	15%	17%	4%	51%	4%	3%	0%	100%		

Current ICU portfolio studies

- PIX study
- BALTI-2
- OSCAR
- GAinS (Genomic advances in sepsis)
- FIRE
- RAIN



The impact of an aerobic exercise rehabilitation programme on fitness and quality of life of ITU survivors (PIX study)

- Supervised exercise programme
- Outcomes: quality of life and CPX testing
- 2nd centre in Leeds
- Funded by RfPB programme
- Principle Investigator: Gerry Danjoux



BALTI-2

- Multicentre RCT
- Salbutamol infusion versus placebo in ARDS
- Dec 2007 to end 2012
- Still recruiting centres
- MRC funded
- PIs Stephen Wright (NUTH)

David McIntosh and Jim Park (JCUH)



OSCAR (High Frequency Oscillation in ARDS)

- Multicentre RCT comparing conventional ventilation with HFOV for adults with ARDS
- Recruitment started: 1st December 2007
- Funded HTA for 3 years
- Target recruitment: 1006 patients
- Total number of participants recruited to date: 234
- Participating centre: Queen Elizabeth Hospital



GAinS (Genomic advances in sepsis)

- Genome wide association study correlating genetic variation to outcomes in CAP and faecal peritonitis
- Non-interventional
- Expected completion 2011
- EU funding
- PIs Stephen Bonner and Simon Baudouin



FIRE (Fungal Infection Risk Evaluation)

- Prospective observational study
- Aim to develop and validate a risk model for invasive fungal disease
- All admissions to ICU
- Dataset in addition to ICNARC

RAIN (Risk Adjustment in Neurocritical Care)

- Prospective Validation of risk prediction models for adult patients with acute TBI
- Funding: NIHR health technology programme
- PIs Judith Wright (JCUH)
Angus Vincent (NGH)



Other portfolio studies

- SwiFT (Swine Flu Triage)
- ICAN-UK (Intensive Care After Care Network)
- CALORIES
- ProMISe (Protocolised Management in Sepsis)



DOPS....Mini-CEX....CBD....DOPS...Mini-CEX...CBD...

PMETB

EDIC or DICM?

Out of programme experience?!

Appraisal

Ten Case Summaries...

MRCP(UK)

FRCA

ARCP



3 big opportunities for trainees



3 big opportunities for trainees

- Exposure to on-going clinical trials



3 big opportunities for trainees

- Exposure to on-going clinical trials
- Participate in development of research studies



3 big opportunities for trainees

- Exposure to on-going clinical trials
- Participate in development of research studies
- Research training



ICU research in the northern region: 3 key elements for future development



3 key elements for future development

1. Establish a structure for ICU research locally



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- Develop a local Critical Care Trials Group
- Collaborate with other networks



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3 key elements for future development

1. Establish a structure for ICU research locally
 - Expand our resources
 - Develop a local Critical Care Trials Group
 - Collaborate with other networks
2. Effectively recruit into portfolio studies
3. Undertake our own portfolio studies
 - Develop links with other specialities/university
 - UK Critical Care Trials Group



Interested?



Local Critical Care Trials Group

- First Meeting 8 Feb 2009
- Afternoon session
- Centre for Life, Newcastle upon Tyne
- Contacts
 - stephen.wright@nuth.nhs.uk
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Raise money for the Intensive Care Foundation?



**The
Intensive Care
Society**



19 Sept 2009

20 runners needed

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Questions?

