

BPNSU Application

Sithara Ramdas

1) Title of study

Title: : Prospective and retrospective study of clinical features and outcomes of critical illness polyneuropathy and/or myopathy in children and young people

2) Investigators

Principle investigator:

First name: Sithara

Last name: Ramdas

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Email: sithara.ramdas@ouh.nhs.uk

Telephone number:

Job title: Consultant Paediatric Neurologist

Affiliation: John Radcliffe Hospital, Oxford

Contribution: Chief Investigator

Other investigator:

First name: Martin

Last name: Smith

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Email: martin.smith1@ouh.nhs.uk

Telephone number:

Job title: Consultant Paediatric Neurologist

Affiliation: John Radcliffe Hospital, Oxford

Contribution: Study concept, design and delivery

Other investigator:

First name: Avishay

Last name: Sarfatti

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Job title: Consultant Paediatric Intensivist

Affiliation: John Radcliffe Hospital, Oxford

Contribution: Study design and data collection

Other investigator:

First name: Jacquie

Last name: Deeb

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Email: jacquie.deeb@nhs.net@ouh.nhs.uk

Telephone number:

Job title: Consultant in Clinical Neurophysiology

Affiliation: Department of Neurophysiology

Contribution: Study design

3) Proposed starting date

Proposed start date: 2026-04-01

Proposed duration of study: 3

Proposed territorial coverage: UK only

Region (if applicable): Oxfordshire

4) Case definition

Case definition: Patients with a probable or definite diagnosis of CIP, CIM, or combined CIP and CIM from 1 month to 18 years of age at the time of diagnosis will be included. The diagnosis of CIP, CIM, or combined CIP and CIM relies on clinical features, electrophysiological, and muscle biopsy characteristics.

Age range for cases: 1 month -18 years

Inclusion criteria: Patients aged one month to 18 years admitted to paediatric intensive care during the study period or within the previous 5 years. • Patients fulfil the diagnostic criteria for probable or definite CIP and/or CIM as per protocol . • Participant, or parent(s)/ legal

representative as appropriate, is willing and able to provide informed consent.

Exclusion criteria Patients with alternative cause for critical care-related muscle weakness. • Patients with a preceding history of suspected or confirmed neuromuscular disorder.

5) Expected numbers

Expected numbers (per year): 10-15

Source of denominator data: Based on clinical experience of the study team and discussion with colleagues

6) Ethical approval

7) Type of study

Surveillance: Yes

Case registry:

Incidence or Prevalence study:

Cohort study:

Case-control study:

Interventional study:

Audit:

8) Methods

Study methodology:

9) Alternative sources of data

Alternative sources of data: Yes

Details of the alternative source: PICU research network

10) Questionnaire

Questionnaire piloted: No

Follow up questionnaire: No

Details:

11) Funding

Funding arrangements: The Norman Collisson Foundation - 0.02WTE G7 Project Manager for length of project, 0.01WTE G7 Quality Manager for 3 months

Purchase order number:

For the attention of:

Address line 1:

Address line 2:

Address line 3: John Radcliffe Hospital

Town / City:

Postcode:

12) Organisational arrangements

Day-to-day administration: Dr Gayathri Narendran (Neurology grid trainee) and Louise Pollard (Study co-ordinator)

Scientific management of the study: The study investigators

Responding to clinical questions: Dr Sithara Ramdas, Dr Martin Smith

Collating and analysing results: Dr Sithara Ramdas, Dr Martin Smith

Additional academic or statistical support available: Nil

Uploaded Documents

- 6) Confirmation of Ethical Application
 - 6) Confirmation of Ethical Approval
 - 8) Your Study Protocol
 - 12) Draft Questionnaires
 - 12) Signed Letter of Understanding
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Name (principal investigator): Sithara Ramdas

Date: 03-03-20261772409600

Signed: Sithara Ramdas