

Study on initial pain management in patients with acute pancreatitis

Submission date 27/04/2023	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered <input checked="" type="checkbox"/> Protocol
Registration date 11/05/2023	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
Last Edited 09/06/2025	Condition category Signs and Symptoms	<input type="checkbox"/> Individual participant data

Plain English summary of protocol

Background and study aims

Abdominal pain is the main symptom for most patients with acute pancreatitis (AP). It's important for diagnosing AP and can affect the patient's prognosis. Early management of AP involves pain relief and fluids, but there is debate on the best pain relief protocol. Pain is a big part of the patient's experience and relieving it can improve their quality of life and lower the risk of complications.

Previous studies have not shown a clear favourite among analgesic drugs for AP. A new review of 12 randomized control trials found that epidural analgesia was most effective for pain relief in the first 24 hours, but opioids were just as effective at 48 hours. Non-steroidal anti-inflammatory drugs (NSAIDs) were just as effective as opioids for pain relief in the first 24 hours. However, the studies had limitations and were not able to determine the specific efficacy of each analgesic drug.

Opioids are still the main treatment for pain in AP, but they have side effects like constipation and slow digestion. Recent studies have shown that opioids can worsen AP. Despite the importance of pain relief in AP, there have been few well-designed studies on analgesic protocols, and guidelines for managing AP do not offer clear recommendations.

This study aims to document current analgesic practices for AP in the UK and examine the relationship between analgesics and complications of AP.

Who can participate?

Adults over 18 years, at the first visit to a hospital for acute pancreatitis.

What does the study involve?

This is an observational study looking at patient records, no additional activity is being carried out with participants.

What are the possible benefits and risks of participating?

None

Where is the study run from?
Freeman Hospital (UK)

When is the study starting and how long is it expected to run for?

Who is funding the study?
Investigator initiated and funded

Who is the main contact?
Sanjay Pandanaboyana, s.pandanaboyana@nhs.net

Contact information

Type(s)
Principal Investigator

Contact name
Mr Sanjay Pandanaboyana

ORCID ID
<https://orcid.org/0000-0003-3099-2197>

Contact details
Level 5
Freeman hospital
Newcastle Upon Tyne
Newcastle upon tyne
United Kingdom
NE2 2AW
+447367430879
s.pandanaboyana@nhs.net

Additional identifiers

EudraCT/CTIS number
Nil known

IRAS number

ClinicalTrials.gov number
Nil known

Secondary identifying numbers
Nil known

Study information

Scientific Title
Multicentre prospective study on initial PAin management IN patients with Acute Pancreatitis:
PAINAP study protocol

Acronym

PAINAP

Study objectives

The PAINAP Study aims to determine current analgesic practices and association between type of analgesic use and their impact on short term outcomes in patients with AP

Ethics approval required

Old ethics approval format

Ethics approval(s)

This is prospective observational study. The study was registered with Newcastle hospitals NHS Trust R&D department. The R&D department agreed that given the prospective nature of the study and there is no patient identifiable information, formal ethics approval is not required.

Study design

Multicentre prospective observational study

Primary study design

Observational

Secondary study design

Cohort study

Study setting(s)

Hospital, University/medical school/dental school

Study type(s)

Treatment

Participant information sheet

Not applicable (study uses existing data)

Health condition(s) or problem(s) studied

Pain management in acute pancreatitis

Interventions

There will be no change in the clinical course for the participants in this trial given this is a observational study. The patients will be followed for 1 month post recruitment to record any complications.

Patient records will be used to:

1. Document current analgesic practice for patients with Acute pancreatitis
2. Examine the relationship between different analgesics and local and systemic complications of AP.

Intervention Type

Other

Primary outcome measure

Analgesics used during admission (i.e. simple analgesics, mild opioids, strong opioids and epidural analgesia) are measured using patient records at a single timepoint

Secondary outcome measures

Local and systemic complications of AP measured using patient records at a single timepoint (1 month after admission)

Overall study start date

01/04/2022

Completion date

30/06/2022

Eligibility

Key inclusion criteria

1. Patients aged 18 years and above
2. First presentation with acute pancreatitis of any etiology

Participant type(s)

Patient

Age group

Adult

Lower age limit

18 Years

Sex

Both

Target number of participants

1,000

Total final enrolment

2200

Key exclusion criteria

1. Recurrent acute pancreatitis
2. Chronic pancreatitis
3. Post ERCP pancreatitis (will have been given prophylactic NSAIDs)
4. Those on regular opioids, tricyclic antidepressants and gabapentinoids for other painful conditions, including chronic pain (for other reasons)
5. Pregnancy

Date of first enrolment

01/04/2022

Date of final enrolment

30/06/2022

Locations

Countries of recruitment

Argentina

Australia

China

Cyprus

Denmark

Egypt

England

Georgia

Greece

India

Italy

Jordan

Kyrgyzstan

New Zealand

Pakistan

Portugal

Romania

Scotland

Serbia

Singapore

South Africa

Spain

Sri Lanka

Sudan

Türkiye

Ukraine

United Kingdom

United States of America

Wales

Study participating centre

The Newcastle upon Tyne Hospitals NHS Foundation Trust

Freeman Hospital

Freeman Road

High Heaton

Newcastle upon Tyne

United Kingdom

NE7 7DN

Study participating centre

University Hospital Southampton NHS Foundation Trust

Southampton General Hospital

Tremona Road

Southampton

United Kingdom

SO16 6YD

Study participating centre

Nottingham University Hospitals NHS Trust - City Campus

Nottingham City Hospital

Hucknall Road

Nottingham

United Kingdom

NG5 1PB

Study participating centre

South Tyneside & Sunderland NHS Ft Sun

Sunderlandchildrenscentre

Durham Road

Sunderland

United Kingdom

SR3 4AG

Study participating centre

James Cook University Hospital Laboratory

James Cook University Hospital
Marton Road
Middlesbrough
United Kingdom
TS4 3BW

Study participating centre

University Hospitals Birmingham NHS Foundation Trust - Oxford Covid19 Trials

Queen Elizabeth Hospital
Edgbaston
Birmingham
United Kingdom
B15 2TH

Study participating centre

Glasgow Royal Infirmary

84 Castle Street
Glasgow
United Kingdom
G4 0SF

Study participating centre

Northern Health

185 Cooper St
Melbourne
Australia
VIC 3076

Study participating centre

Logan Hospital

Loganlea Road
Meadowbrook
Australia
QLD 4131

Study participating centre

Royal Melbourne Hospital
300 Grattan Street
Melbourne
Australia
VIC 3050

Study participating centre
Royal North Shore Hospital
Reserve Road
St Leonards
Australia
NSW 2065

Study participating centre
Prince of Wales Hospital
Lui Che Woo Clinical Sciences Building (Professorial Block), Ngan Shing St, Sha Tin
Hong Kong
China
999077

Study participating centre
Barking, Havering and Redbridge University Hospitals
4 Lyon Road
Romford
United Kingdom
RM1 2BA

Study participating centre
East Suffolk and North Essex
100 Mansbrook Blvd
Ipswich
United Kingdom
IP3 9GJ

Study participating centre
East Surrey Hospital
Canada Avenue
Redhill
United Kingdom
RH1 5RH

Study participating centre
Frimley Park Hospital Laboratory
Frimley Park Hospital
Portsmouth Road
Frimley
Camberley
United Kingdom
GU16 7UJ

Study participating centre
James Paget University Hospital
Lowestoft Road
Gorleston
Great Yarmouth
United Kingdom
NR31 6LA

Study participating centre
Leicester General Hospital
Gwendolen Road
Leicester
United Kingdom
LE5 4PW

Study participating centre
Manchester Royal Infirmary Laboratory
Manchester Royal Infirmary
Oxford Road
Manchester
United Kingdom
M13 9WL

Study participating centre
Musgrove Park Hospital (taunton)
Musgrove Park Hospital
Taunton
United Kingdom
TA1 5DA

Study participating centre

North Bristol NHS Trust

Southmead Hospital
Southmead Road
Westbury-on-trym
Bristol
United Kingdom
BS10 5NB

Study participating centre

Northumbria Specialist Emergency Care Hospital

Northumbria Way
Cramlington
United Kingdom
NE23 6NZ

Study participating centre

Northwick Park and St Marks NHS Trust

Northwick Park Hospital
Watford Road
Harrow
United Kingdom
HA1 3UJ

Study participating centre

University Hospitals Plymouth NHS Trust

Derriford Hospital
Derriford Road
Derriford
Plymouth
United Kingdom
PL6 8DH

Study participating centre

Gateshead - Queen Elizabeth Hospital

Queen Elizabeth Hospital
Sherriff Hill
Gateshead
United Kingdom
NE9 6SX

Study participating centre

Royal Devon and Exeter Hospital NHS Trust - Novavax Covid19 Trial

Royal Devon & Exeter Hospital
Barrack Road
Exeter
United Kingdom
EX2 5DW

Study participating centre

University Hospitals Bristol and Weston NHS Foundation Trust

Trust Headquarters
Marlborough Street
Bristol
United Kingdom
BS1 3NU

Study participating centre

Wexham Park Hospital

Wexham Street
Wexham
Slough
United Kingdom
SL2 4HL

Study participating centre

Whittington Health NHS Trust

The Whittington Hospital
Magdala Avenue
London
United Kingdom
N19 5NF

Study participating centre

Tbilisi State Medical University

33 Vazha Pshavela Ave
Tbilisi
Georgia
0186

Study participating centre

Agnelli Hospital in Pinerolo

Via Brigata Cagliari
Pinerolo
Italy
10064

Study participating centre**ASST Monza - San Gerardo Hospital**

Via G. B. Pergolesi
Monza
Italy
20900

Study participating centre**Azienda Policlinico San Marco**

Corso Europa
Zingonia
Italy
24040

Study participating centre**Fondazione Policlinico Universitario A. Gemelli IRCCS**

Rome
Rome
Italy
00168

Study participating centre**Hospital of Caserta**

Via Ferdinando Palasciano
Caserta
Italy
81100

Study participating centre**Hospital San Paolo**

Via Antonio di Rudinì, 8
Milan
Italy
Via Antonio di Rudinì, 8, 20142 Milano MI, Italy

Study participating centre
Istituto Clinico Sant' Ambrogio
Via Cristina Belgioioso
Milan
Italy
20157

Study participating centre
Lorenzo Bonomo Hospital Andria
Viale Istria
Andria
Italy
70031

Study participating centre
Ospedale SS Trinità-ASL Cagliari
Via Is Mirrionis
Cagliari
Italy
09121

Study participating centre
Treviso Regional Hospital
Piazzale dell'Ospedale
Treviso
Italy
31100

Study participating centre
University of Cagliari
Via Università
Cagliari
Italy
09124

Study participating centre
University of Pisa
Lungarno Antonio Pacinotti
Pisa

Italy
56126

Study participating centre
Auckland City Hospital
2 Park Road, Grafton
Auckland
New Zealand
1023

Study participating centre
Canturbury District Health Board
28 Elizabeth Street
Ashburton
New Zealand
7700

Study participating centre
Hospital Garcia de Orta
Av. Torrado da Silva
Almada
Portugal
2805-267

Study participating centre
Dumfries & Galloway Royal Infirmary
Cargenbridge
Dumfries
Dumfries and Galloway
United Kingdom
DG2 8RX

Study participating centre
Royal Infirmary of Edinburgh at Little France
51 Little France Crescent
Old Dalkeith Road
Edinburgh
Lothian
United Kingdom
EH16 4SA

Study participating centre
National Univeristy Hospital
5 Lower Kent Ridge Rd
Singapore
Singapore
119074

Study participating centre
Chris Hani Baragwanath Academic Hospital
26 Chris Hani Rd, Diepkloof 319-lq
Johannesburg
South Africa
1864

Study participating centre
Hospital Clinico Universitario Valladolid
Av. Ramón y Cajal, 3
Valladolid
Spain
47003

Study participating centre
Hospital Universitacion Principe de Asturias
Carretera de Alcalá, s/n
Madrid
Spain
28805

Study participating centre
University of Pittsburg Medical Centre
200 Meyran Ave
Pittsburgh
United States of America
15231

Study participating centre
Cardiff and Vale UHB
Health Park
Cardiff

United Kingdom
CF14 4XW

Study participating centre

DACIM Foundation

Arenales 1640
Buenos Aires
Argentina
C1061AAT CABA

Study participating centre

West China Hospital of. Sichuan University

37 Guoxue Ln, Wuhou District, Chengdu
Sichuan
China
610041

Study participating centre

Zagzig University

fargn Shaibet an Nakareyah, Zagazig 2, Ash Sharqia Governorate
Egypt
7120001

Study participating centre

Aristotle University of Thessalonika

Thessalonika 541 24, Greece
Thessalonika
Greece
541 24

Study participating centre

Laikon General Hospital

Agiou Thoma 17, Athina
Athens
Greece
115 27

Study participating centre

University Hospital of Heraklion

Leof. Panepistimiou

Iraklio

Greece

715 00

Study participating centre**University of Patras**

Πανεπιστημιούπολη Πατρών

Greece

265 04

Study participating centre**Hyderabad**

Hyderabad

India

500032

Study participating centre**Maulana Azad Medical College & Lok Nayak Hospital**

2, Bahadur Shah Zafar Marg, near Delhi Gate, Maulana Azad Medical College Campus, Balmiki

Basti

New Dehli

India

110002

Study participating centre**Post Graduate Institute of Medical Education and Research Chandigarh**

Madhya Marg, Sector 12

Chandigarh

India

160012

Study participating centre**AOU G Marinak, Policlinic of Messina**

Via Consolare Valeria, 1

Messina

Italy

98124

Study participating centre
Azienda Ospedaliera Universitaria Polinclinico Umberto
Viale del Policlinico, 155
Roma
Italy
00161

Study participating centre
Cattinara University Hospital
Strada di Fiume, 447
Trieste
Italy
34149

Study participating centre
Giuseppe Fornaroli Hospital
Via al Donatore di Sangue, 50
Milan
Italy
20013

Study participating centre
Ospedale Del Mare
Via Enrico Russo, 11
Naples
Italy
80147

Study participating centre
Ospedale Moriggia Pelascini - Gravedona
Via Moriggia Pelascini, 3
Gravedona
Italy
22015

Study participating centre
Sapienza University of Rome
Piazzale Aldo Moro, 5

Rome
Italy
00185

Study participating centre

University of Parma

Str. dell'Università, 12, 43121 Parma PR, Italy
Parma
Italy
43121

Study participating centre

Vimercate Hospital

Via Santi Cosma e Damiano, 10
Vimercate
Italy
20871

Study participating centre

Vito Fazzi Hospital Lecce

Piazza Filippo Muratore, 1
Lecce
Italy
73100

Study participating centre

AlBashir Hospital

Al Bashir Hospital Ossamah Ben Zeid St.
Amman
Jordan
261

Study participating centre

M. M. Mamakeev, Bishkek

28 Ulitsa Sukhomlinova
Bishkek
Kyrgyzstan
720030

Study participating centre

Dr Ziauddin University Hospital

Karachi Port Trust Hospital, Plot No. 33, Behind Kemari
Karachi City
Pakistan
75600

Study participating centre

Liquiat University of Medical and Health Sciences

C7PC+337

Jamshoro

Pakistan

76090

Study participating centre

Mayo Hospital

Hospital Rd, Anarkali Bazaar

Lahore

Pakistan

54000

Study participating centre

Bagdasar Arseni Emergency Hospital

Șoseaua Berceni 12

București

Romania

041915

Study participating centre

UMC Zvezdara, Belgrade

Dimitrija Tucovića 161

Belgrade

Serbia

11160

Study participating centre

Complejo Hospitalario Universitario de Vigo

Estrada de Clara Campoamor, 341

Vigo

Spain

36312

Study participating centre
Hospital Universitario de Cabuenes
Los Prados, 395,
Asturias
Spain
33394

Study participating centre
Colombo South Teaching Hospital
B229 Hospital Rd
Dehiwala-Mount Lavinia,
Sri Lanka
10350

Study participating centre
Al-Moalem Medical City
JH62+FPW
Khartoum
Sudan
JH62+FPW

Study participating centre
Samsun Training and Research Hospital
Kışla, Barış Blv. No:199
Samsun
Türkiye
55090

Study participating centre
Bukovinian State Medical University
Teatral'na Square, 2
Chernivtsi
Ukraine
58002

Study participating centre
Lviv Regional Hospital
Chernihivska St, 7, Lviv, Lviv Oblast

Lviv
Ukraine
79000

Study participating centre
Regional Emergency Hospital
Chernivitsi
Ukraine
58000

Study participating centre
Second Affiliated hospital of Nanchang University
190 Jiangling West 2 Rd, Qingyunpu District
Nanachang
China
330030

Study participating centre
Hospital Universitario de Santa María
Av. Alcalde Rovira Roure, 44
Lleida
Spain
25198

Study participating centre
John Radcliffe Hospital
Headley Way
Headington
Oxford
United Kingdom
OX3 9DU

Study participating centre
Aalborg University Hospital
Hobrovej 18-22
Aalborg
Denmark
9000

Study participating centre
The Guys and Lewisham NHS Trust
Guys Hospital
St Thomas Street
London
United Kingdom
SE1 9RT

Study participating centre
Centro Hospitalar do Tâmega e Sousa
Avenida do Hospital Padre Américo 210
Portugal
4564-007

Study participating centre
Evangelismos General Hospital
Ipsilantou 45-47
Athens
Greece
106 76

Study participating centre
Hospital Clínico Universitario Lozano Blesa
C. de San Juan Bosco, 15
Zaragoza
Spain
50009

Study participating centre
University Hospital North Durham
North Road
Durham
United Kingdom
DH1 5TWD

Study participating centre
Sheffield Teaching Hospitals NHS Foundation Trust
Northern General Hospital
Herries Road

Sheffield
United Kingdom
S5 7AU

Study participating centre

Mater Hospital
Raymond Terrace
South Brisbane
Australia
QLD 4101

Study participating centre

Aberdeen Royal Infirmary
Foresterhill Road
Aberdeen
United Kingdom
AB25 2ZN

Study participating centre

Mercy University Hospital
Grenville Pl, Centre
Cork
United Kingdom
T12 WE28

Study participating centre

Chesterfield Royal Hospital NHS Foundation Trust
Chesterfield Road
Calow
Chesterfield
United Kingdom
S44 5BL

Study participating centre

Leeds Teaching Hospitals NHS Trust
St. James's University Hospital
Beckett Street
Leeds
United Kingdom
LS9 7TF

Study participating centre
Asian Institute of Medical Sciences (AIMS) Hospital
Hyderabad
Pakistan
121001

Study participating centre
Aosta Valley
Via Ginevra, 3
Aosta
Italy
11100

Study participating centre
County Durham and Darlington NHT Foundation Trust
Hollyhurst Rd
Darlington
United Kingdom
DL3 6HX

Study participating centre
Larnaka General Hospital
Pandoras
Larnaca
Cyprus
6301

Study participating centre
Sandwell and West Birmingham Hospitals NHS Trust
Dudley Road
Birmingham
United Kingdom
B18 7QH

Study participating centre
Royal Berkshire Hospital
Royal Berkshire Hospital
London Road
Reading

United Kingdom
RG1 5AN

Study participating centre

San Raffaele Scientific Institute, Vita Salute San Raffaele University

Via Olgettina, 58

Milan

Italy

20132

Study participating centre

Jordan University Hospital

Queen Rania St

Amman

Jordan

11942

Study participating centre

University Hospital Lewisham

Lewisham High Street

London

United Kingdom

SE13 6LH

Study participating centre

East Lancashire Hospitals NHS Trust

Casterton Ave

Burnley

United Kingdom

BB10 2PQ

Study participating centre

All India Institute of Medical Sciences Rishikesh

Virbhadra Road Shivaji Nagar, near Barrage, Sturida Colony

Rishikesh

India

249203

Sponsor information

Organisation

Newcastle upon Tyne Hospitals NHS Foundation Trust

Sponsor details

Newcastle Joint Research Office
1st Floor Regent Point
Regent Farm Road
Gosforth
Newcastle upon Tyne
England
United Kingdom
NE3 3HD
+44 1912448005
aaron.jackson@nhs.net

Sponsor type

Hospital/treatment centre

Website

<http://www.newcastle-hospitals.org.uk/hospitals/freeman-hospital.aspx>

ROR

<https://ror.org/05p40t847>

Funder(s)**Funder type**

Other

Funder Name

Investigator initiated and funded

Results and Publications**Publication and dissemination plan**

Manuscripts are currently under preparation. Planned publication in a high-impact peer-reviewed journal.

Intention to publish date

01/08/2023

Individual participant data (IPD) sharing plan

The datasets generated during and analysed during the current study are/will be available upon request from Mr Sanjay Pandanaboyana, s.pandanaboyana@nhs.net

IPD sharing plan summary
Available on request

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Protocol file	version 2	23/02/2022	28/04/2023	No	No
Results article		14/08/2024	09/06/2025	Yes	No