

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

Clinical Trials Information System (CTIS)

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

Study type(s)

Treatment

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(s)

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

Key secondary outcome(s)

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

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

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 years

Sex

All

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

United Kingdom

England

Scotland

Wales

Argentina

Australia

China

Cyprus

Denmark

Egypt

Georgia

Greece

India

Italy

Jordan

Kyrgyzstan

New Zealand

Pakistan

Portugal

Romania

Serbia

Singapore

South Africa

Spain

Sri Lanka

Sudan

Türkiye

Ukraine

United States of America

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 Universitario Príncipe 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

Leece
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 Ziuauddin 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
Birminham
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

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

Funder(s)

Funder type
Other

Funder Name
Investigator initiated and funded

Results and Publications

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?
Results article		14/08/2024	09/06/2025	Yes	No
Protocol file	version 2	23/02/2022	28/04/2023	No	No