

# Study on initial pain management in patients with acute pancreatitis

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

**ClinicalTrials.gov (NCT)**  
Nil known

**Protocol serial number**  
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**

**Azioenda 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 Principe de Asturias**  
Carretera de Alcalá, s/n  
Madrid  
Spain  
28805

**Study participating centre**  
**University of Pittsburgh 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**

Agίου 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 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

Nanchang

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?
<a href="#">Results article</a>		14/08/2024	09/06/2025	Yes	No
<a href="#">Participant information sheet</a>	Participant information sheet	11/11/2025	11/11/2025	No	Yes
<a href="#">Protocol file</a>	version 2	23/02/2022	28/04/2023	No	No