

The Threshold for Platelets study

A prospective randomised trial to define the platelet count below which critically ill patients should receive a platelet transfusion prior to an invasive procedure

All Site Meeting – 19 Sep 2024

Chief Investigator: Prof Peter Watkinson

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NIHR CPMS ID:

53274

ISRCTN Registry:

ISRCTN79371664

Sponsor:

University of Oxford



Agenda

- Trial update
 - Sites
 - Recruitment
- Investigator Meeting feedback
- Coming up
- Questions/discussion

Trial Update - Sites

- Aim: **66**
- Open: **53**
 - Since our last meeting, welcome to:
 - Royal Sussex County Hospital
 - Princess Royal Hospital, Haywards Heath
 - Aberdeen Royal Infirmary
 - Cumberland Infirmary
- In set up:
 - UK – **6**
 - Republic of Ireland – **3**



Trial Update - Recruitment



Great Western Hospital!

Trial Update - Recruitment

- As of 18 September 2024, **505** patients randomised



Investigator's Meeting

- Friday 13th September 2024 – London
- 68 delegates from 37 participating sites
- Programme:
 - Progress update
 - Talking to haematologists
 - Group working

Investigator's Meeting

- Highlights



Investigator's Meeting – highlights

- Procedures included at randomisation

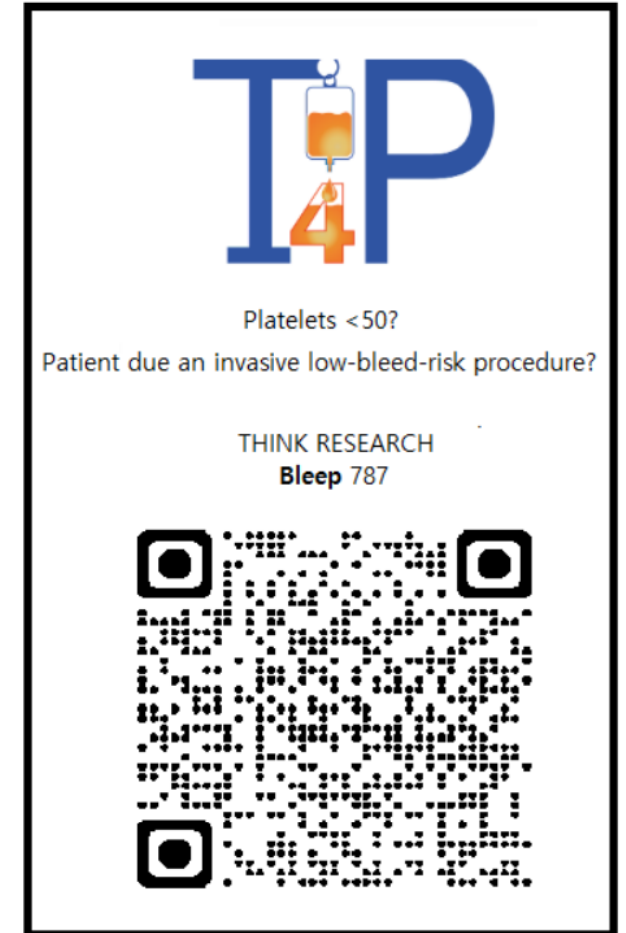
	%		%
Central venous vascular catheter insertion	45.1%	Drainage of intra-abdominal collection	0.2%
Paracentesis	1.9%	Bronchoscopy	2.1%
Pleural aspiration	1.2%	Lumbar puncture	0.2%
		Tracheostomy	0.4%
Arterial catheter insertion	12.9%	Procedure with Interventional Radiology	0.2%
Vascular catheter removal	12.9%	Surgical procedure	0.0%
Pleural drain	0.6%	Other (e.g., arterial line removal, NGT insertion, bone marrow aspiration)	14.6%

Investigator's Meeting – highlights

- Adherence – initial procedure
 - Proportion adherent to assigned platelet threshold at first included procedure = **93%**
- Adherence – subsequent procedures
 - Number of subsequent procedures = **1,586**
 - Proportion adherent to assigned platelet threshold = **95%**

Investigator's Meeting – highlights

- Site presentations
 - Kettering General Hospital
 - Research nurses cover whole day (7:30–18:00) over two shifts
 - Local QR code '**referral scheme**' – sends direct email to research nurses



Investigator's Meeting – highlights

- Site presentations
 - St Thomas' Hospital
 - **Master screening log** maintained locally
 - Monitors all patients on unit/s and their eligibility for all studies

T4P											
Date	Surname	First Name	MRN Number	DoB	Admission to ICU	UNIT	Bed	PLT < 50	To Monitor	Exclusion	Comment
								no	yes		
								yes			
								no	no	APML	
								no	yes		
								no	yes		
								no	yes		

- **T4P daily screening log** maintained
 - Records daily checks of platelet results for all patients
 - Colour coordinated to highlight if platelets < 50 or 50–100 , etc.

Surname	First Name	MRN Number	DoB	Admission to ICU	Unit	Bed	24th	25th	26th	27th	28th	29th	30th	31st	To monitor
		12345678	00/00/1900	07/08/2024	EW1	13	Plt>50	Plt>50	Plt>50	Plt>50					to monitor
		87654321	00/00/1900	19/08/2024	EW2	28	Plt>50	Plt>50	Plt>50	Plt>50					to monitor
		10002000	00/00/1900	21/08/2024	EW2	30	Plt>50	Plt>50	Plt>50	Plt>50					to monitor
		30004000	00/00/1900	22/08/2024	EW6	35	Plt>50	Plt>50	Plt<50	Plt<50					to monitor
		50006000	00/00/1900	21/08/2024	GCCU	10	Plt>50	Plt>50	Plt>50	Plt>50					to monitor

Investigator's Meeting – highlights

- Site presentations
 - Whittington Hospital
 - **Posters** on unit advertising drop-in sessions
 - **Monthly ITU meetings** with all staff on delegation log
 - Enter those who randomise into a **raffle** – prize is a T4P mug with goodies



The next T4P drop-in training session will be:

Monday 19 August 13:30-14:00

Certificates will be available upon request directly from the study team.

**Microsoft Teams meeting:
Join on your computer, mobile app, or room device:**

Meeting ID: 333 906 907 601|
Passcode: kPT5Q2

Alternatively, email anezka.pratley@nhs.net or femi.felix@nhs.net for the link.

Investigator's Meeting – feedback

- Group working feedback
 - Encourage all staff to get involved in research – **'it's their job'**
 - Research incorporated into GMC/NMC guidelines and it is our role to allow patients access to research
 - **Educating clinical team on rationale for study** – including harms of platelet transfusions
 - Don't let delays in accessing platelets hinder randomisation
 - Promote to clinical teams that **T4P is about platelets for ICU procedures** – they can have platelets for other reasons outside trial

Investigator's Meeting – feedback

- Group working feedback
 - Importance of clinicians starting conversations with families with **'this is a research active unit..'** or **'your relative may become suitable for a research study during their time on ICU..'** and include this in your **generic ICU information booklet for families**
 - Remember the **buddy scheme**

Coming up...

- Next **drop-in training** session
 - Eligibility & randomisation training
 - Thursday 26th September, 13:30 – 14:00 via Teams
 - Please forward onto any clinical staff who would like to get on the training log
 - We will attach a poster going forward which you can print and display on unit

- Next **consent training** session
 - Monday 21st October, 12:00 – 13:00 via Teams
 - Applicable to sites in England, Wales, Northern Ireland
 - A separate Scotland session will be organised

Thank you!

- Any questions?



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