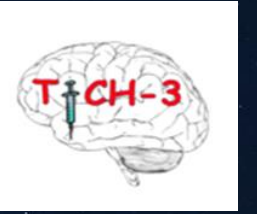


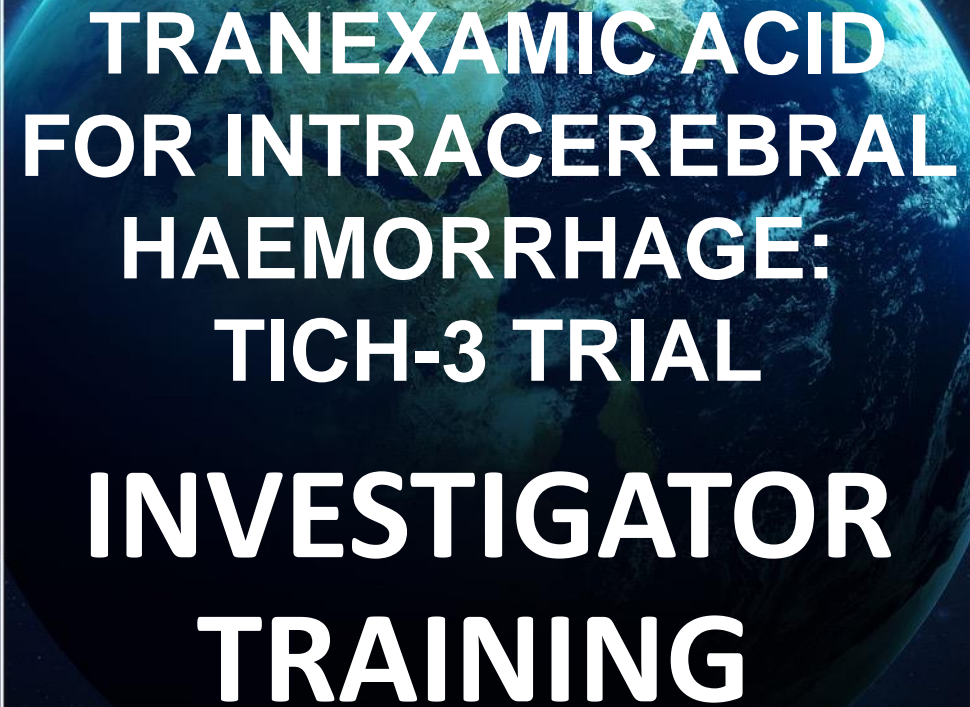


University of
Nottingham

UK | CHINA | MALAYSIA



ISRCTN97695350

A large, glowing blue and green Earth seen from space, centered in the background of the slide.

TRANEXAMIC ACID FOR INTRACEREBRAL HAEMORRHAGE: TICH-3 TRIAL INVESTIGATOR TRAINING

Professor Nikola Sprigg, Brittany
Hare and Chaamanti Menon

On behalf TICH-3 Trial Team

Final v3.3 11/12/2023



Funding disclosures:



- TICH-3 is funded by National Institute of Health and Care Research (Health Technology Assessment 19/59) NIHR129917
- DASH funded by National Institute of Health Research Research for Patient Benefit (RfPB)

TICH-3 Trial Registration:

ISRCTN97695350

TICH-3 CTA reference:

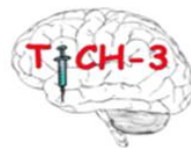
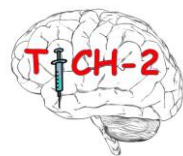
03057/0074/001-0001

TICH-3 IRAS Project ID:

297457

TICH-3 Trial Sponsor:

University of Nottingham



BACKGROUND

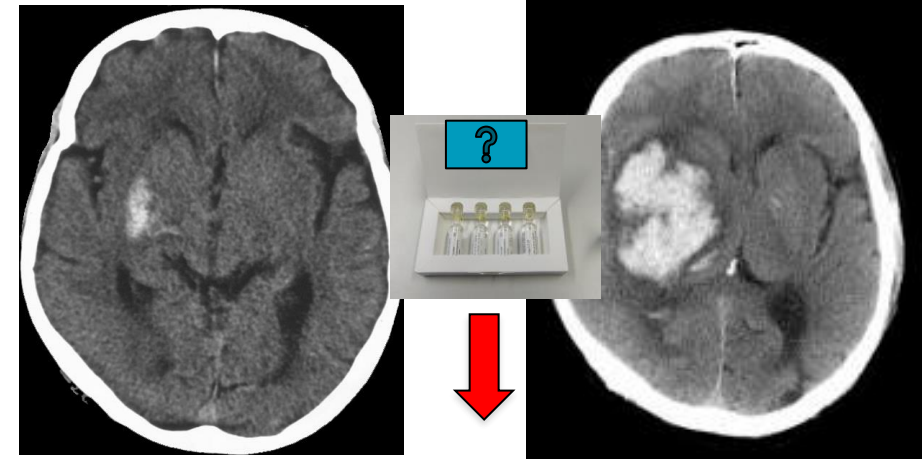


Intracerebral Haemorrhage (ICH)



Intracerebral haemorrhage can be devastating

- Haematoma expansion (HE) is common, occurs early and is main cause of death
- Predictors – time, haematoma volume, anticoagulation and antiplatelets
- Drugs that stop bleeding (such as tranexamic acid), are effective in other bleeding conditions and could potentially reduce haematoma expansion



TICH-3: does giving tranexamic acid early after ICH prevent haematoma expansion and reduce death and disability



Tranexamic acid in other trials



- TXA acts through antifibrinolytic mechanisms
- CRASH-2 In patients with traumatic haemorrhage (including from head injuries), TXA significantly reduces death due to bleeding and all-cause mortality, with no increase in vascular occlusive events.
- Analysis of the CRASH-2 trial showed that because death due to bleeding occurred early after trauma, hyperacute administration of TXA was necessary for patients to receive any benefit.
- A meta-analysis of TXA in traumatic intracranial haemorrhage showed that it was associated with a significant reduction in subsequent intracranial bleeding.
- CRASH-3, reduced head injury related deaths in patients with traumatic brain injury, with early treatment more effective than later treatment.
- In TICH-2 (in 2325 patients with ICH within 8 hours of onset) TXA was safe, reduced haematoma expansion and early death. It did not significantly change outcome at 3 months
- Tranexamic acid is inexpensive, easy to administer, seems to be safe, and is widely available, so even a modest treatment effect could have an important impact on the global scale.



Key changes from TICH-2



Target participants most likely to benefit

Change	TICH-2	TICH-3
Primary outcome	Function day 90	Death by day 7 Function day 180
Recruitment target	2000	5500
Recruitment time	8 hours since onset	4.5 hours since onset
Baseline ICH volume	No maximum	Exclude massive (usually Haematoma Volume > 60ml)
Consent	Written consent	Oral consent – followed by written consent
Randomisation	On-line	Simple – lowest pack number

PROTOCOL

Version 2.0 Approved 07/10/2022



TICH-3 Synopsis



Design: Double blind randomised clinical trial, pragmatic streamlined design

Participants: Inclusion: Adults (≥ 18 years) within < 4.5 hours of stroke onset

Exclusion: Massive ICH (Glasgow Coma Scale < 5 or Haematoma Volume $> 60\text{ml} \pm 10\text{mls}$), Contraindication to TXA e.g. Seizures

Consent: Rapid emergency process – oral consent followed by written consent

Intervention: Tranexamic 1g IV in 100ml sodium chloride over 10 mins, 1g in 250ml sodium chloride infusion over 8hrs or saline by identical regime
Given alongside standard ICH care, including BP lowering as per clinical guidelines¹

Randomisation: Simple - use the lowest available treatment pack number

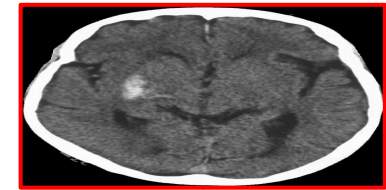
Primary Outcome: Early death (day 7)

Secondary outcome: Function-Shift analysis modified Rankin Scale day at 6 months

Sample size: 5500 (3900 UK and 1900 Internationally)

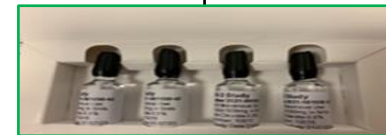
Cost/funder: UK NIHR plus others internationally

Duration: 7.25 years - Aim 5 yrs UK recruitment



Verbal permission

Randomise - open
lowest numbered
treatment pack



Recruitment Alert



Written consent

Primary outcome:
Mortality day 7

Secondary:
mRS day 180





TICH-3 Eligibility Criteria



Inclusion criteria

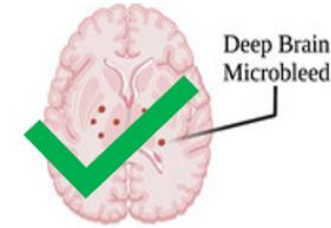
- Spontaneous ICH (confirmed on brain imaging) < 4.5 hours of onset

It is not necessary to exclude underlying vascular lesions – but if they are known please do not include.

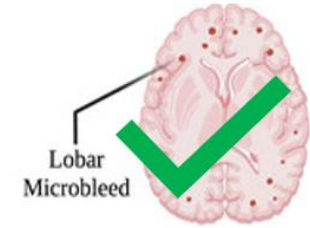
IMP treatment should be started within the 4.5 hours inclusion window.

Exclusion criteria

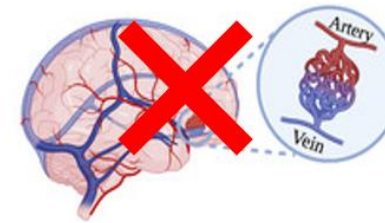
- Known indication for TXA treatment (e.g. traumatic brain injury) *or* contra-indication for TXA treatment (e.g. active seizures) *in view of treating physician*
- Patient known to be taking therapeutic anticoagulation with warfarin or low molecular weight heparin at time of enrolment. **(DOAC is permitted)**
- Massive ICH (usually when haematoma volume > 60ml HV – **only estimation is needed (+/- 10%)**)
- Severe coma, Glasgow Coma Scale <5, palliative (end of life) care



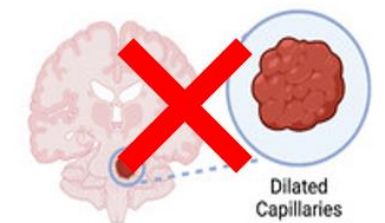
Hypertension Microangiopathy



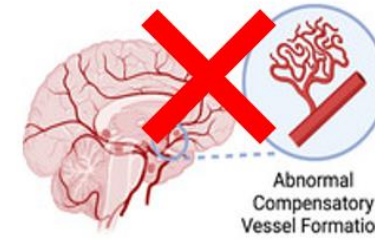
Cerebral Amyloid Angiopathy



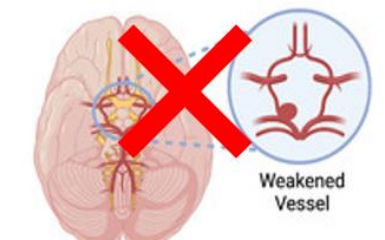
Arteriovenous Malformation



Cavernous Angioma



Moyamoya Disease



Aneurysm



TICH-3: Patients taking DOACs



Which DOACs can the patients be on to be recruited for TICH 3?

- **Direct thrombin inhibitor** – Dabigatran
- **Factor 10a inhibitor** – Apixaban, rivaroxaban, edoxaban

If patients on DOAC with ICH are enrolled to TICH-3 can they still have reversal agents?

- Yes, all patients should receive standard care, and be treated as per local DOAC ICH guidelines and given anticoagulation reversal agent in accordance with local guidance i.e Idarucizumab or PCC.

Please ensure you document which reversal agents were given in eCRF

- **Can a reversal agent/PCC be administered at the same time as TICH-3 treatment?**

Yes - do not delay starting the TICH-3 trial treatment, reversal agent/PCC can be administered at the same time as the TICH-3 trial treatment as long as through separate IV cannula.

- **Types of anticoagulation (blood thinners) that cannot be included:**

1. warfarin - exclude if INR shows levels high (>1.5). Cannot include unless the INR is sub therapeutic
2. LWHM - low molecular weight heparins at treatment dose e.g. for treating a DVT or PE.
Note if LMWH is being used prophylactically at low dose to prevent DVT and PE these patients can be included in TICH-3



Eligibility: Frequently asked questions



- **If time of stroke onset is unknown?**

Patient can be enrolled if presenting within 4.5 hours of discovery if HV < 60mls on CT scan.

- **Can patients with intraventricular haemorrhage (IVH) be enrolled?**

Yes, so long as they have intracerebral haemorrhage, (fig 1) do not have other exclusion criteria. Isolated IVH (fig 2) should not be included.

- **Can patient be enrolled if they are a candidate for neurosurgery?**

Yes, neurosurgery is not an exclusion.

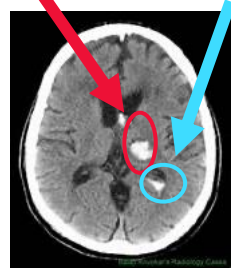
- **Can patient be enrolled if they have a DNAR/from care home/already dependent?**

Yes, so long as they are still for active care and consent is obtained

- **Can patients with recurrent bleeds be enrolled?** Yes, it is likely that most patients will have an arteriopathy due to hypertension or cerebral amyloid angiopathy.

- **Can a nurse consultant assess eligibility?** Confirming eligibility is defined as a medical decision, so must be undertaken by a medically qualified doctor under the clinical trials regulations.

1. ICH and IVH



2. IVH only



Final decision on eligibility rests with treating physician



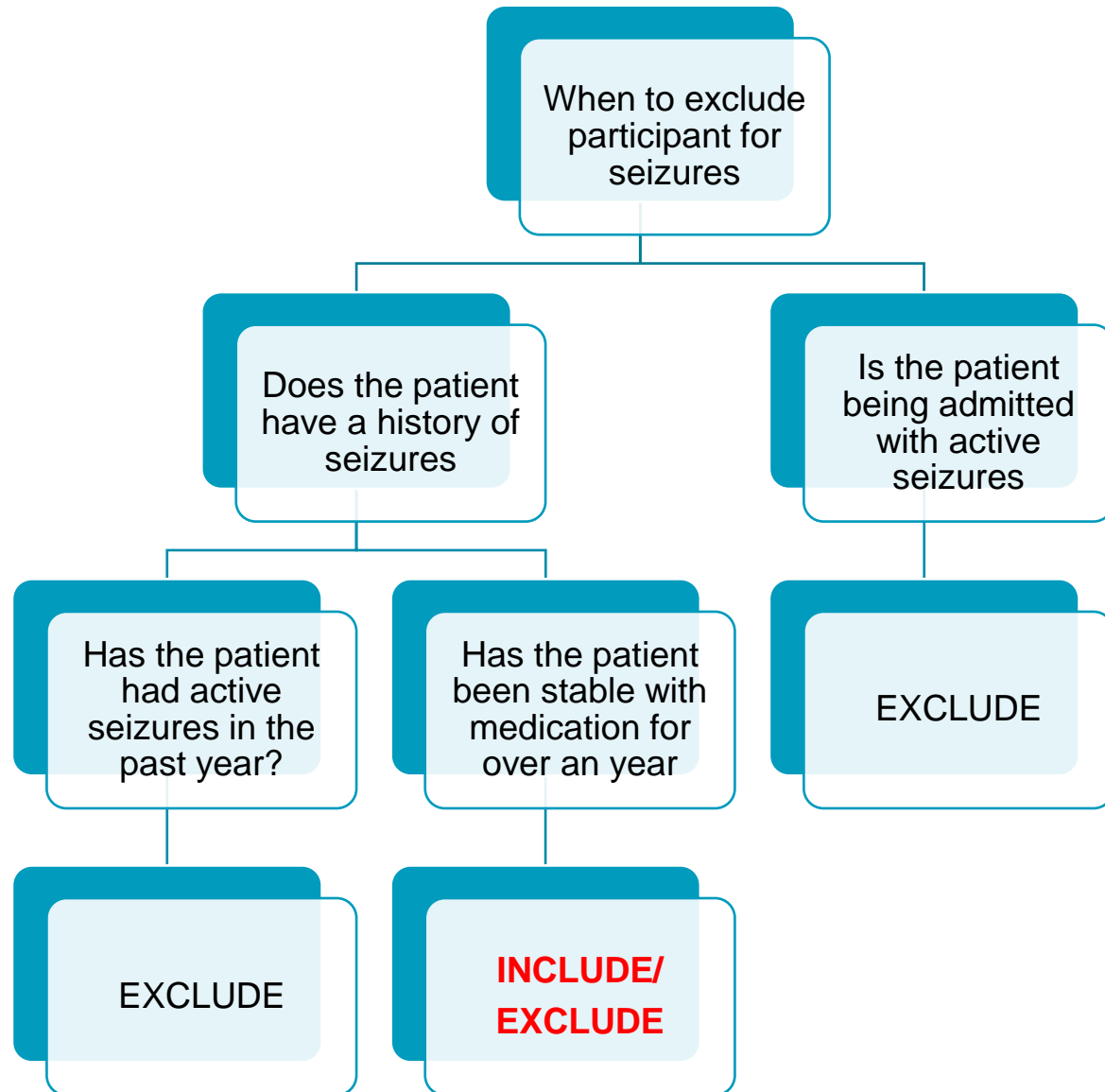
Eligibility: seizures



- Eligibility for TICH 3 in patients with a history of seizures is at the discretion of the treating physician
- If you have an eligibility query please call the emergency phone number

+44 (0)7725 580 092 +44 (0)7736 843 592

+44 (0)7798 670 726 +44 (0)7810 540 604





Size matters – but estimates are ok!

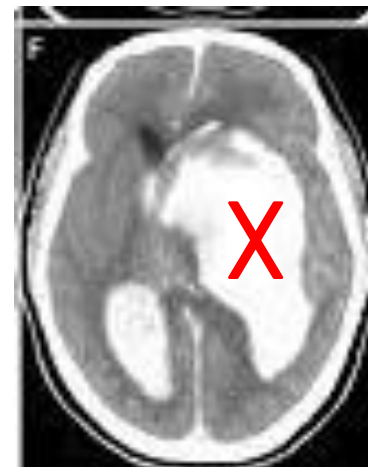
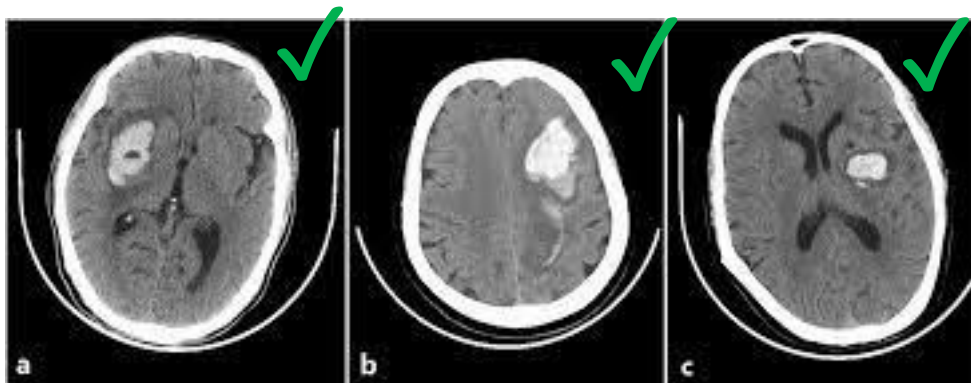


Exclude patients with massive haematoma (usually > 60ml)

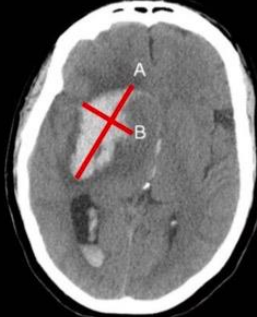
1. If CT scan uses automated haematoma volume software – patient can be enrolled if HV not greater than 60mls (+/- 10%)
2. Calculate HV manually using TICH-3 $HV=ABC/2$ calculator on the website¹ or alternatives e.g. mdcalc app² (*ignore 25 – 75% calculator and count all slices where ICH is visible due to time critical nature*)
3. If $ABC/2$ not possible: measure the maximum length of the haematoma. Exclude - if max length A > 5cm

❖ Do not include IVH volume in calculation

❖ HV can be estimated by anyone trained to do so



Formula for Estimating ICH Hematoma Volume



$$\frac{A \times B \times C}{2}$$

Select CT slice with largest ICH
 A = longest axis (cm)
 B = longest axis perpendicular to A (cm)
 C = # of slices x slice thickness (cm)

Estimated volume of spheroid
 Correlates well w/ planimetric CT analysis

ISRCTN 97695350

Haematoma volume calculator

Estimated volume of largest haematoma

[View guide](#)

Maximum haematoma length 'A' cm
(up to 4 decimal places)

Maximum haematoma width 'B' cm
(up to 4 decimal places)

Number of slices where haematoma visible slices

Scan slice thickness mm
(up to 3 decimal places)

Please enter the individual components and then the calculated volume will be shown.

i The [ABC/2 calculator](#) can be used to calculate haematoma volumes during eligibility checks, without needing to be logged in.

CONSENT



Emergency Consent Process



Rapid consent process, participants or relatives provide verbal consent

Full informed written consent to be obtained later after administration of IMP

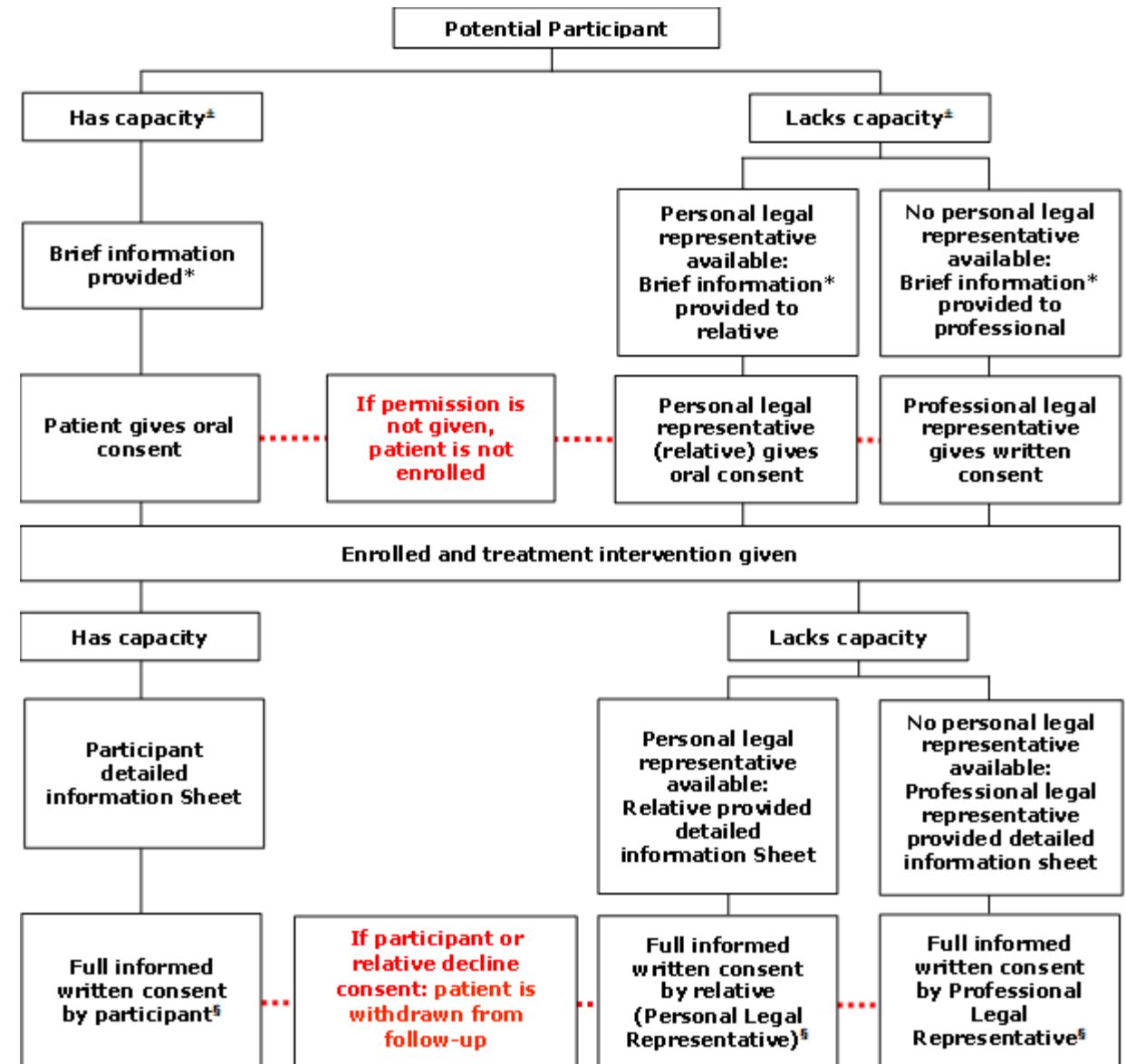
Hierarchy approach in UK

1. Patient has capacity – gives oral consent
2. Patient does not have capacity – relative or close friend likely to know patient wishes provides oral consent
3. Patient does not have capacity and no relatives available – independent doctor provides written consent

The person taking consent must be appropriately trained and on the delegation log

± Assessment of capacity is the responsibility of the treating clinical team

* Further written information provided if requested or required and questions answered.





Professional legal representative consent by an independent doctor



Enrolment consent by independent doctor

Short Information Sheet and Consent form should be used (pictured to the right). In this scenario this professional legal representative enrolment consent is handwritten and then a follow on written consent form is not required to be completed by the independent doctor. If the participant regains capacity or a relative becomes available they should complete the written follow on consent.

Follow on written consent by independent doctor

The follow on written consent form for professional legal representative should only be used if participant has capacity and consents for enrolment orally, then loses capacity and no relatives are contactable to provide the handwritten follow on consent. If the participant regains capacity or a relative becomes available they should complete the written follow on consent.

Informing relatives

The clinician at site has full responsibility for informing relatives of participant when professional legal representative consent has taken place. In event of a patient dying after being enrolled by a professional legal representative but before relatives can be contacted the clinical team should inform the relatives of the patient's involvement in the study and provide information about the study.

[Form to be printed on local headed paper]

**PROFESSIONAL LEGAL REPRESENTATIVE
SHORT INFORMATION SHEET AND CONSENT**
(Draft Version 0.2 / Final Version 1.0: 03/11/2021)

Title of Study: TICH-3

IRAS Project ID: 297457 CTA ref: 03057/0074/001-0001

Name of Researcher:

Name of Participant:

I confirm that I have been given a copy of the Short Professional Legal Representative Information Sheet (Version 1.0 dated 3/11/2021) and I agree as professional Legal Representative on behalf of this stroke patient

- The patient will take part in the TICH-3 study and be given the study medication
- For their medical records to be accessed
- To be followed up at 6 months
- For their GP to be informed
- For their contact details to be collected and used for the purpose of the study
- For their anonymised research data to be used in further research analysis about ICH.

I understand that they are free to withdraw from the study at any point without giving a reason.

For participants who are enrolled following agreement by a professional legal representative as soon as relatives are available or when the patient regains capacity, a detailed information sheet will be provided, and written consent sought for continuation in the trial.

Professional nominee consent - to be completed if participant does not have capacity to consent

Name of Person giving nominee consent	Date	Signature
Relationship to patient (please tick): Healthcare Professional <input type="checkbox"/>		
Name of Person taking consent	Date	Signature
Telemedicine used (please tick if Yes) <input type="checkbox"/>		
Name of Witness if consent taken	Date	Signature

3 copies: 1 for participant, 1 for the project notes and 1 for the medical notes

Professional (Legal Rep) Short Information Sheet and Consent - TICH-3 Draft v0.2 Final v1.0 3/11/2021

[Form to be printed on local headed paper]

You have been asked to act as a professional legal representative to consider if you think that the patient named above should take part in the TICH-3 study.

TICH-3 aims to assess whether the drug tranexamic acid reduces the risk of death and/or improves disability 6 months after stroke due to intracerebral haemorrhage (ICH).

Because intracerebral haemorrhage is an emergency and the potential benefits of the study treatment (tranexamic acid) are likely to be related to how soon after stroke the treatment is given, every minute counts. We need to decide about giving the treatment as quickly as possible. As the patient is not well enough to decide, and no relatives are immediately available you have been asked to decide on their behalf. You are able to make this decision in accordance with emergency consent procedures.

The patient has been identified because they have had a stroke caused by intracerebral haemorrhage - and they fit the requirements for this research project. At present they are not able to tell us whether to take part, so we are asking your opinion. If you do decide they would take part you will be given this information sheet to keep and be asked to sign a consent form. We are inviting approximately 5500 participants with intracerebral haemorrhage to take part from around the UK and worldwide.

Tranexamic acid is approved for use in emergency patients with bleeding after trauma, labour or surgery. The side effects from tranexamic acid are generally mild and can include diarrhoea, low blood pressure and dizziness. Importantly, because the treatment works by stopping bleeding there is a chance it can cause a deep vein thrombosis (DVT) or Pulmonary embolism (PE). However, in previous studies in stroke patients, and in people with emergency bleeding due to trauma, involving many thousands of patients, tranexamic acid at the dose used in this study (2g) was safe and did not increase blood clots.

In this study the treatment (either tranexamic acid or saline) is administered as intravenous infusion through a venous cannula with a loading dose infusion over 10 minutes followed by an infusion over 8 hours.

During the next 7 days members of the clinical and research team will monitor the potential participants condition and record relevant information from their medical notes.

For participants who are enrolled following agreement by a professional legal representative as soon as relatives are available or when the patient regains capacity, a detailed information sheet will be provided, and written consent sought for continuation in the trial.

The participants' decision to withdraw would overrule the decision of either a professional or relative acting as the legal representative.

Professional (Legal Rep) Short Information Sheet and Consent - TICH-3 Draft v0.2 Final v1.0 3/11/2021



Delegated roles for consent: J and Z

Person taking initial consent must be delegated role J

The PI must select whether code J should be applied as a delegated role.

J. Obtaining consent for enrolment (including oral consent, as appropriate to local policy and practice). **I, PI, DPI**

Site investigator ▼ (Not authorised) Authorise ▼

Consent training for enrolment (J)

No consent training

- Monitoring will check patient was consented by someone on delegation log

TICH-3 trial
Tranexamic acid for IntraCerebral Haemorrhage 3

Room S/D2123, Stroke Trials Unit
 School of Medicine, University of Nottingham
 Queen's Medical Centre, Derby Road
 Nottingham NG7 2UH, United Kingdom
 TICH-3 trial office <tich-3@nottingham.ac.uk>

ISRCTN 97695350

Enrolment form v1.1

Section A: Inclusion/exclusion criteria and consent

Inclusion criteria

- Adults within 4.5 hours of onset of acute spontaneous ICH (confirmed on brain imaging)
- When onset of symptoms is unknown, patient must be within 4.5 hours of symptom discovery and have no other exclusion criteria

Exclusion criteria

- Patient with a known indication for TXA treatment (e.g. traumatic brain injury)
- Patient with contraindication for TXA treatment
- Patient known to be taking anticoagulation at time of enrolment
- Massive ICH for which haemostatic treatment seems futile (this would ordinarily be when haematoma volume is estimated as larger than 60ml)
- Severe coma (Glasgow Coma Scale less than 5)
- Decision already taken for palliative (end of life) care with withdrawal of active treatment

A1 Did the participant have capacity to consent? Yes No

A2 Please give the name of the investigator taking initial consent for enrolment in the trial Not known

Person taking written consent must be delegated role Z

Z assigned to those with relevant investigator roles (not pharmacists, radiology etc) and confirmed by PI.

Z. Obtaining follow-on written consent (after initial consent) to continue in the study and for follow-up. **I, PI, DPI**



Remote recruitment



Eligibility

Confirming eligibility is defined as a medical decision, so must be undertaken by a medically qualified doctor under the clinical trials regulations.

- The doctor does not need to be on the TICH-3 delegation log to confirm eligibility however the person must be on the delegation log to take enrolment consent (code J).

Consent

Verbal consent is taken in the first instance, to receive the trial treatment, there would not be a consent form to sign if the patient has capacity to give consent or there is a relative giving consent on behalf of the patient.

- Oral consent can be taken remotely if the enrolling investigator is not on site either on the phone or via telemedicine.
- Oral consent can be given remotely by a relative, if the patient does not have capacity, either on the phone or via telemedicine.

Eligibility assessment and method of obtaining consent must be documented in the patients' medical notes.



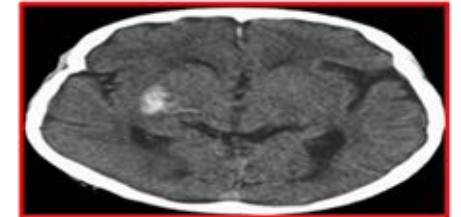


Out of hours recruitment



The process is very simple for out of hours recruitment

- 1. Confirm eligibility** – can be completed by any clinician they do not need to be on the TICH-3 delegation log
- 2. Take initial oral enrolment consent** – consent process just needs to be documented in the medical record. We also allow remote recruitment over phone/telemedicine. If no relatives, then ask an independent doctor and use brief consent form to document.
 - Person taking consent must be appropriately trained and authorised on the TICH-3 delegation log with code J applied (enrolment consent for CTIMPs)
- 3. Prescribing and administration of the IMP** can be completed by anyone appropriately trained to do so, they do not need to be GCP trained or on the TICH-3 delegation log
- 4. Complete QR code recruitment alert** – this is within each treatment pack and can be completed by anyone (do not need to be on delegation log, no logins required to complete the form to alert the team a recruitment has taken place)
- 5. When the research team is next on site** you will see the recruitment alert in your emails to know a participant was recruited and then you would find the participant to take the follow-on written consent, add participant to website and begin data entry



Verbal permission

Randomise - open
lowest numbered
treatment pack



2 ampoules
+
100ml NaCl
10 mins

2 ampoules
+
250ml NaCl
8 hours

Recruitment Alert





Written follow on consent

The person taking written consent must be appropriately trained and delegated code Z by the PI to take consent on the delegation log

Full, written informed consent will be sought as soon as practicable, ideally within the next 24 hours. Written informed consent will be sought for access to medical notes and for participation in the trial follow up. The participant information sheet will be provided to the participant at this time if not already provided. Please localise the consent forms and participant information sheets prior to printing, see WPD preparing trial documentation to help you with this <https://stroke.nottingham.ac.uk/sif/docs/?sid=TICH-3>

[Form to be printed on local headed paper]

University of Nottingham / FULL CONSENT FORM FOR PARTICIPANT (Final version 1.0: 03/11/2021)

Title of Study: TICH-3
IRAS Project ID: 297457 CTA ref.: 03057/0074/001-0001

Name of Researcher:
Name of Participant: Please initial box

- I confirm that I have read and understand the information sheet final version 1.0 dated 03/11/2021 for the above study and have had the opportunity to ask questions.
- I understand that my participation is voluntary and that I am free to withdraw at any time, without giving any reason, and without my medical care or legal rights being affected. I understand that should I withdraw then the information collected so far cannot be used in the project analysis.
- I understand that relevant sections of my medical notes and data collected in the study may be looked at by authorised individuals from the University of Nottingham, the research group and regulatory authorities where it is relevant to taking part in this study. I give permission for these individuals to have access to these records and to collect, store, analyse and publish information obtained from my participation in this study. I understand that my personal details will be kept confidential.
- Consent for data use in possible future research (Optional) (delete yes/no and initial in box). I agree that the information gathered about me can be stored by the University of Nottingham, for possible use in future studies. I understand that some of these studies may be carried out by researchers other than the current team who ran the first study, including researchers working for commercial companies. Any data used will be anonymised, and I will not be identified in anyway. YES/NO
- I understand that the information held and maintained by NHS Digital, (EDRIS in Scotland) and other central UK NHS bodies may be used to help contact me or provide information about my health status.
- I agree to my GP being informed of my participation in this study and who will be asked to provide information on my status for the 180 Day follow up.
- If I lose the capacity to make decisions for myself during the course of the study, I'd be happy to continue in the study unless my legal representative (friend or relative) raises an objection to this.
- I agree to you sending me a letter/email with a summary of the results (delete yes/no and initial in box). YES/NO
- I agree to take part in the above study.

Name of Participant _____ Date _____ Signature _____
Name of Person taking consent _____ Date _____ Signature _____

3 copies: 1 for participant, 1 for the project notes and 1 for the medical notes

[Form to be printed on local headed paper]

University of Nottingham FULL CONSENT FORM FOR LEGAL REPRESENTATIVE - RELATIVE (Final version 1.0: 03/11/2021)

Title of Study: TICH-3
IRAS Project ID: 297457 CTA ref.: 03057/0074/001-0001

Name of Researcher:
Name of Participant: Please initial box

- I confirm that I have read and understand the information sheet final version 1.0 dated 03/11/2021 for the above study and have had the opportunity to ask questions.
- I understand that my participation is voluntary and that I am free to withdraw at any time, without giving any reason, and without my medical care or legal rights being affected. I understand that should I withdraw then the information collected so far cannot be used in the project analysis.
- I understand that relevant sections of my relative's medical notes and data collected in the study may be looked at by authorised individuals from the University of Nottingham, the research group and regulatory authorities where it is relevant to taking part in this study. I give permission for these individuals to have access to these records and to collect, store, analyse and publish information obtained from participation in this study. I understand that my relative's personal details will be kept confidential.
- Consent for data use in possible future research (Optional) (delete yes/no and initial in box). I agree that the information gathered about my relative can be stored by the University of Nottingham, for possible use in future studies. I understand that some of these studies may be carried out by researchers other than the current team who ran the first study, including researchers working for commercial companies. Any data used will be anonymised, and my relative/close friend will not be identified in anyway. YES / NO
- I understand that the information held and maintained by NHS Digital, (EDRIS in Scotland) and other central UK NHS bodies may be used to help contact my relative or provide information about their health status.
- I agree to my relative's GP being informed of their participation in this study and that they may be asked to provide information on their status for the 180 Day follow up.
- I agree to you sending my relative a letter/email with a summary of the results (delete yes/no and initial in box). YES/NO
- I agree to my relative taking part in the above study.

Name of participant _____ Relationship to participant _____
Name of Relative _____ Date _____ Signature _____
Name of researcher taking consent _____ Date _____ Signature _____

3 copies: 1 for participant, 1 for the project notes and 1 for the medical notes

[Form to be printed on local headed paper]

University of Nottingham FULL CONSENT FORM FOR LEGAL REPRESENTATIVE - Professional (Final version 1.0: 03/11/2021)

Title of Study: TICH-3
IRAS Project ID: 297457 CTA ref.: 03057/0074/001-0001

Name of Researcher:
Name of Participant: Please initial box

- I confirm that I have read and understand the information sheet final version 1.0 dated 03/11/2021 for the above study and have had the opportunity to ask questions.
- I understand that my participation is voluntary and that I am free to withdraw at any time, without giving any reason, and without my medical care or legal rights being affected. I understand that should I withdraw then the information collected so far cannot be used in the project analysis.
- I understand that relevant sections of the participant's medical notes and data collected in the study may be looked at by authorised individuals from the University of Nottingham, the research group, and regulatory authorities where it is relevant to taking part in this study. I give permission for these individuals to have access to these records and to collect, store, analyse and publish information obtained from participation in this study. I understand that the participant's personal details will be kept confidential.
- Consent for data use in possible future research (Optional) (delete yes/no and initial in box). I agree that the information gathered about the participant can be stored by the University of Nottingham, for possible use in future studies. I understand that some of these studies may be carried out by researchers other than the current team who ran the first study, including researchers working for commercial companies. Any data used will be anonymised, and the participant will not be identified in anyway. YES / NO
- I understand that the information held and maintained by NHS Digital, (EDRIS in Scotland) and other central UK NHS bodies may be used to help contact the participant or provide information about their health status.
- I agree to the participant's GP being informed of their participation in this study and that they may be asked to provide information on their status for the 180 Day follow up.
- I agree to you sending the participant a letter/email with a summary of the results (delete yes/no and initial in box). YES/NO
- I agree to the participant taking part in the above study.

Name of participant _____ Relationship to participant _____
Name of professional _____ Date _____ Signature _____
Name of researcher taking consent _____ Date _____ Signature _____

3 copies: 1 for participant, 1 for the project notes and 1 for the medical notes

Remember that all boxes must be initialed rather than ticked



If your site is randomised to enhanced consent in swat - please use video before taking written consent

3 copies of consent form – 1 patient, 1 medical notes, 1 research



Consent: Frequently asked questions



Who can act as the professional legal representative?

Independent doctor must not be an investigator in the TICH-3 trial (i.e. not on delegation log), no specific grade of doctor is required (but usually registrar or above). The independent doctor can give permission via telemedicine if not on site.

How is consent witnessed?

When a witness is used for consent the independent observer can be anyone, they do not need to be on the delegation log, it could be one of the ward staff, for example. The witness should note what they are witnessing (i.e. participant gave consent but unable to sign due to dominant hand weakness), print their name, sign and date. This should be documented on the consent form in the blank space near the signature section.

Where should we document the consent process?

The consent process should be clearly detailed in the medical notes

SEE ADDITIONAL SLIDES OBTAINING ORAL CONSENT AND DOCUMENTING CONSENT AT THE END OF THIS PRESENTATION

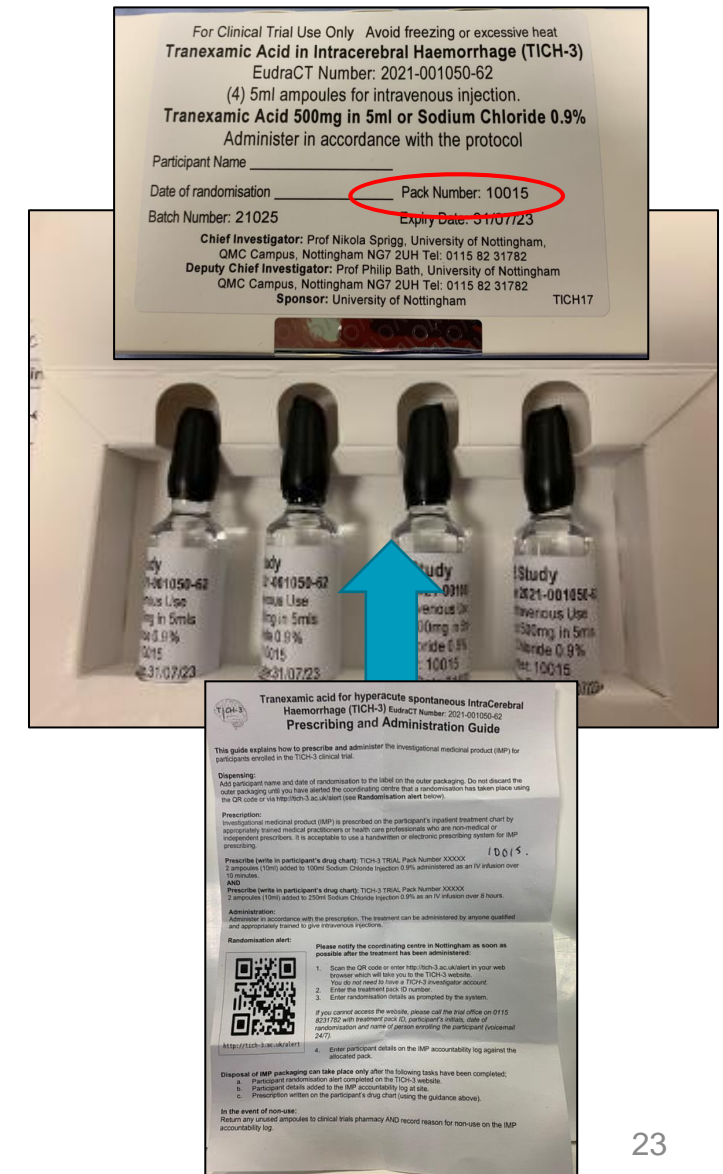
RANDOMISATION



Randomisation: open lowest pack number



- Blinded treatment packs will be randomly assigned to sites in blocks of 6 treatment packs
- TICH-3 will use simple randomisation
- After confirming eligibility and obtaining consent the investigator **randomises the patient by selecting and opening the treatment pack with the lowest pack number.**
- The prescribing and administration guide can be found inside each treatment pack.
- Due to emergency nature of trial randomisation is notified to the coordinating centre after the IMP has been administered by completing the randomisation alert (guidance for this is within the prescribing and administration guide).





Prescribing and Administering the IMP



Prescribing the IMP

Investigational medicinal product (IMP) is prescribed on the participant's inpatient treatment chart by appropriately trained medical practitioners or health care professionals who are non-medical or independent prescribers. It is acceptable to use a handwritten or electronic prescribing system for IMP prescribing.

Do not need to be on delegation log or GCP trained to prescribe.

Prescribe (write in participants drug chart):

TICH-3 - TRIAL Pack Number XXXXX

TRANEXAMIC ACID OR PLACEBO

2 ampoules (10ml) added to 100ml Sodium Chloride Injection 0.9% administered as an IV infusion over 10 minutes.

AND

TICH-3 TRIAL Pack Number XXXXX

TRANEXAMIC ACID OR PLACEBO

2 ampoules (10ml) added to 250ml Sodium Chloride Injection 0.9% as an IV infusion over 8 hours.

Administering the IMP

Administer in accordance with the prescription. The treatment can be administered by anyone qualified and appropriately trained to give intravenous injections. **Do not need to be on delegation log or GCP trained to administer.**



Tranexamic acid for hyperacute spontaneous IntraCerebral Haemorrhage (TICH-3)
EudraCT Number: 2021-001050-62
EU CTIS registration number: 2022-500587-35-00

Prescribing and Administration Guide

This guide explains how to prescribe and administer the investigational medicinal product (IMP) for participants enrolled in the TICH-3 clinical trial.

Dispensing

Add participant name and date of randomisation to the label on the outer packaging. Do not discard the outer packaging until you have alerted the coordinating centre that a randomisation has taken place using the QR code or via <http://tich-3.ac.uk/alert> (see **Randomisation alert** below).

Prescription

Investigational medicinal product (IMP) is prescribed on the participant's inpatient treatment chart by appropriately trained medical practitioners or health care professionals who are non-medical or independent prescribers. It is acceptable to use a handwritten or electronic prescribing system for IMP prescribing.

Prescribe (write in participant's drug chart): TICH-3 TRIAL Pack Number XXXXX TRANEXAMIC ACID OR PLACEBO 2 ampoules (10ml) added to 100ml Sodium Chloride Injection 0.9% administered as an IV infusion over 10 minutes.

AND

Prescribe (write in participant's drug chart): TICH-3 TRIAL Pack Number XXXXX TRANEXAMIC ACID OR PLACEBO 2 ampoules (10ml) added to 250ml Sodium Chloride Injection 0.9% as an IV infusion over 8 hours.

Administration

Administer in accordance with the prescription. The treatment can be administered by anyone qualified and appropriately trained to give intravenous injections.

Randomisation alert:

Please notify the coordinating centre in Nottingham as soon as possible after the treatment has been administered:

1. Scan the QR code or enter <http://tich-3.ac.uk/alert> in your web browser which will take you to the TICH-3 website. *You do not need to have a TICH-3 investigator account.*
2. Enter the treatment pack ID number.
3. Enter randomisation details as prompted by the system. *Note: If you cannot access the website, please call the trial office on 0115 8231782 with treatment pack ID, participant's initials, date of randomisation and name of person enrolling the participant (voicemail 24/7).*
4. Enter participant details on the IMP accountability log against the allocated pack.



<http://tich-3.ac.uk/alert>

Disposal of IMP packaging can take place only after the following tasks have been completed.

- a. Participant randomisation alert completed on the TICH-3 website.
- b. Participant details added to the IMP accountability log at site.
- c. Prescription written on the participant's drug chart (using the guidance above).

In the event of non-use:

Return any unused ampoules to clinical trials pharmacy AND record reason for non-use on the IMP accountability log.



Randomisation Alert

1. Investigator will enter the treatment pack ID (pack number), participant initials and their own initials to alert the coordinating centre to a new randomisation.

SCAN
QR CODE



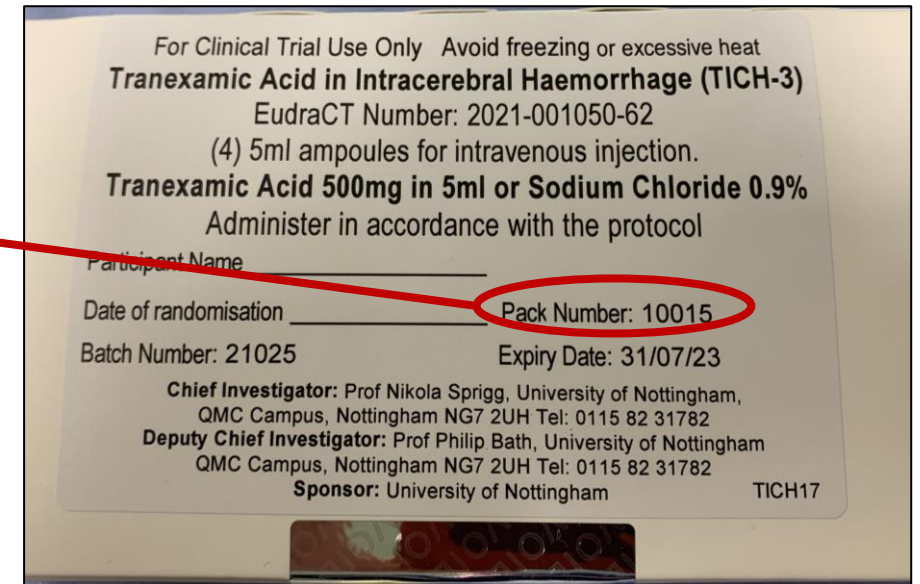
Let us know about a new TICH-3 participant

Treatment pack ID:

Participant's initials:
(2 or 3 letters)

Your initials:
(2 or 3 letters)

For initials, please use first letters from forename then surname and enter a dash (-) if no middle initial



2. Investigator will then confirm that the participant was randomised at the hospital shown in the alert box.

Please confirm that the TICH-3 participant was randomised at the hospital shown below.

Centre ID: **C001**

City/name: **NOTTINGHAM, Nottingham DEMO Hospital**

Country: **United Kingdom**



Standard of care for ICH

- All participants should receive standard care for ICH as per the local clinical pathway and guidelines. This is likely to include:
 - ✓ Referral to stroke unit
 - ✓ **Blood pressure lowering as per clinical guidelines¹ target**
For patients with BP 150-220mmHg aim for BP 130-140mmg
 - ✗ Do not use the same cannula for study drug infusion and blood pressure lowering infusions—need separate IV access line

aiming for a target of BP < 140mmHg as per clinical guidelines, supported by the recent INTERACT -3 Results [https://doi.org/10.1016/S0140-6736\(23\)00806-1](https://doi.org/10.1016/S0140-6736(23)00806-1)

The third Intensive Care Bundle with Blood Pressure Reduction in Acute Cerebral Haemorrhage Trial (INTERACT3): an international, stepped wedge cluster randomised controlled trial



- ✓ Consideration of referral to neurosurgery or critical care if appropriate
- ✓ Prophylaxis of venous thromboembolism with intermittent compression stockings

Please note tranexamic acid is not standard of care for spontaneous ICH



ABC-ICH Bundle of care + TICH-3



- The 'ABC' care bundle for intracerebral haemorrhage (ABC-ICH) was developed and implemented at Salford Royal NHS Foundation Trust (part of the Northern Care Alliance NHS Group) in 2015-16 and reduced 30-day deaths by one-third (35.5% to 24.2%).
- The bundle consists of guideline-recommended interventions:
 - Rapid **A**nticoagulant reversing
 - Intensive **B**lood pressure lowering
 - A **C**are pathway for prompt neurosurgical referral



Patients can be enrolled in TICH -3 if you are delivering the ABC-ICH Bundle of care

PLEASE CONSIDER TICH-3 enrollment IF < 4.5 hours onset (or symptom discovery if onset not known)



Broken vials:



Broken prior to randomisation e.g. upon receipt in pharmacy

- ✓ Inform the Nottingham coordinating centre and dispose of the pack(s) in accordance with WPD (Destruction of IMP).

Broken after randomisation, before treatment:

- ✓ Disregard this pack and use the lowest treatment pack ID that is available at your centre

Broken during treatment i.e. Bolus given but infusion vial breaks:

- ✓ Administer as much drug as possible
- ✓ Record on day 7 form that participant does not receive all of the randomised treatment as per protocol and explain why
- ✗ Do not open another treatment pack

Always record broken vials on the inventory or accountability log as appropriate



SAFETY MONITORING

Safety outcomes

Serious adverse reaction (SAR)

Suspected Unexpected Serious Adverse Reaction (SUSAR)

Serious adverse event (SAE)



Good Clinical Practice (GCP)



- TICH-3 is to be performed in line with all the principles of good clinical practice
- Investigators must adhere to the protocol at all times
- The safety and rights of the participant are paramount
- Training for investigators should be in proportion to their role within the trial and in accordance with their experience and skills
- The participant has the right to withdraw at any time without giving a reason, without it affecting their medical care
- Investigators eligible for NIHR GCP online training learn account

<https://portal.nihr.ac.uk/register>



- **Sponsors SOPS can be found on the document page; see TA016 GCP Breach Reporting**



Safety Events, SARS and SUSARS



TXA has an established safety record – we only collect data on focused **safety outcomes** occurring within the **first 7 days or events suspected to be related to the IMP (SAR or SUSAR)**:

Safety outcomes: ****If a safety outcome (e.g. seizure) occurs during infusion, the infusion must be stopped immediately****

1. Venous occlusive events: VTE (Pulmonary embolism, Deep vein thrombosis)
2. Ischaemic events (arterial thrombosis at any site, ischaemic stroke, transient ischaemic attack peripheral artery embolism, myocardial infarction, acute coronary syndrome)
3. Seizures
4. Fatal events up to discharge from hospital

Serious adverse reactions (SAR) or Suspected Unexpected Serious Adverse Reactions (SUSAR):

- All events suspected to be related to the IMP will be assessed for seriousness, expectedness and causality by local investigator. Section 4.8 of the SmPC, date of last revision 02 February 2021, will act as the **Reference Safety Information:** Tranexamic Acid https://Tranexamic Acid_SmPC_20210202_REVISION.pdf

Serious Adverse Events (SAEs) that are not safety outcomes, SARS or SUSARS should not be reported

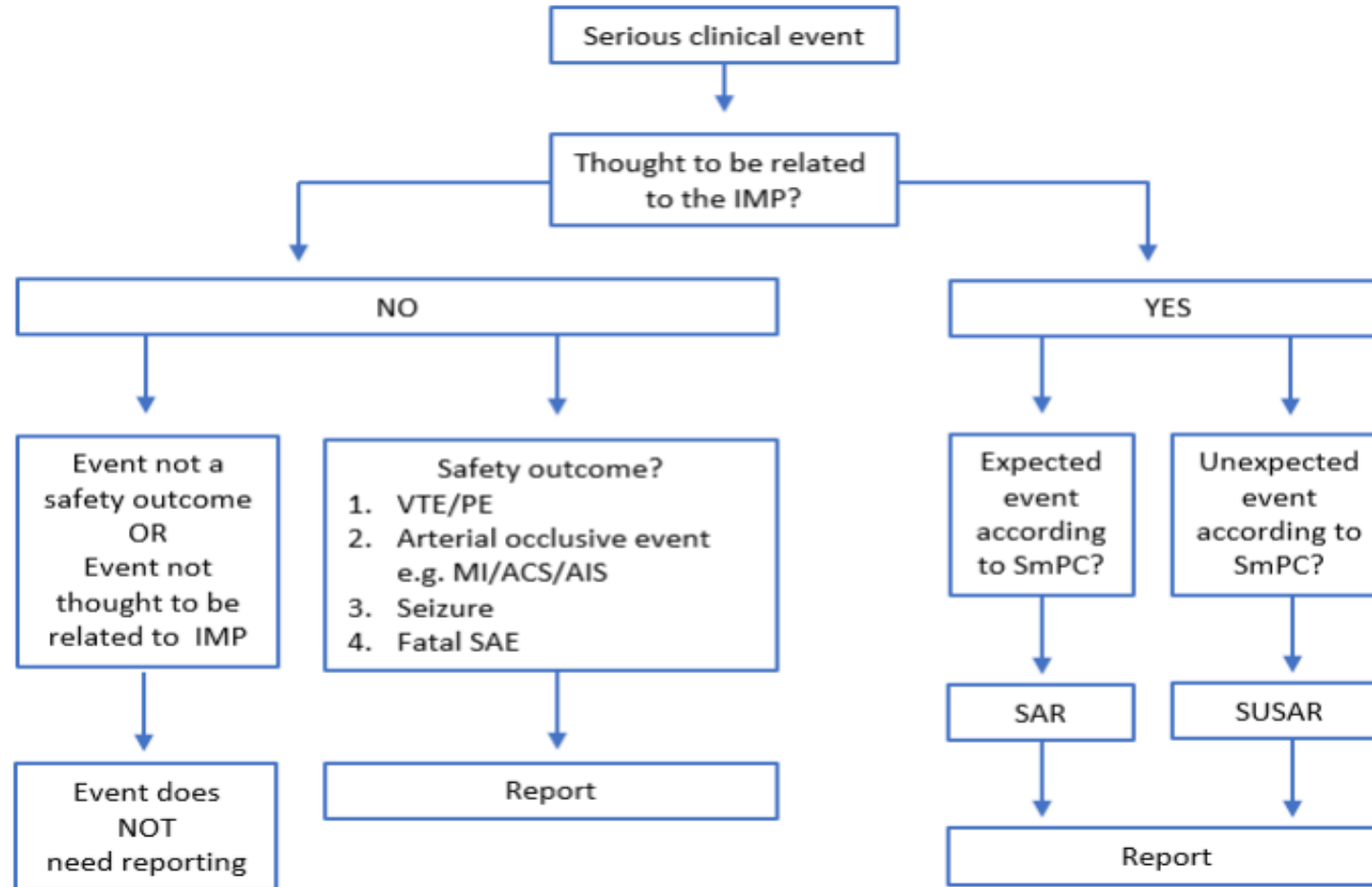
E.g. Neurological deterioration, haematoma expansion, cerebral oedema that is NOT thought to be related to the IMP, and does not result in death does not need to be reported as an SAE



SAE Reporting Flowchart



SAE Reporting Flowchart





REPORTING SAEs (1)



Assessing relation to the study drug

When submitted SAEs or safety events please select possible only if you suspect the IMP may be related to the event. If you think it is unlikely but cannot absolutely exclude a relationship, please select improbable. All events that are reported as probable need to have causality assessed as could be a SAR or SUSAR. If in doubt, please speak to your PI, site medic or contact the coordinating centre.

Event classification

MHRA guidelines are that if you suspect an event to be possibly/probably/defiantly related that the event categorisation must be a SAR or a SUSAR, if you think it is unlikely to be related to the study drug (not related/improbable) then this is an SAE.

A10a Relationship to study drug	<input type="checkbox"/> Not related
	<input type="checkbox"/> Improbable
	<input type="checkbox"/> Possible
	<input type="checkbox"/> Probable
	<input type="checkbox"/> Definite

A10b Please classify the event	<input type="checkbox"/> SAR
	<input type="checkbox"/> SAE
	<input type="checkbox"/> SUSAR
	Please assess if expected according to SmPC.
	Expectedness should only be assessed in events that are thought to be possibly/probably/definitely related to the IMP.



REPORTING SAEs (2)



Ongoing SAEs

If an ongoing SAE submitted e.g. seizure/PE and then patient dies, unless you think the death was related to this event please complete a data correction that this event was resolved and then submit a new SAE for the fatal event.

Cause of death

Please make sure you always provide details in question A4 of what was the cause of death – only use death unattended when patient is found in the community with no known cause

Suspected SUSARs

If you are suspecting a SUSAR please call the emergency helpline phone numbers.

Please remember to update on-going SAEs when resolved if patient dies

A12a Clinical outcome of this event	<input type="checkbox"/> Resolved <input type="checkbox"/> Event ongoing <input type="checkbox"/> Recovered with sequelae <input type="checkbox"/> Died
A12b If event ongoing or recovered with sequelae, please provide details	<input type="text"/>

A4 Please describe the event, e.g. new limb weakness, crushing chest pain, bleeding gums, rash	<input type="text"/>
Note: Death is an end result, not an independent event	

For urgent medical enquiries (including unblinding), and for randomisation problems, you can contact the following emergency mobile numbers.	
+44 (0)7725 580 092	+44 (0)7736 843 592
+44 (0)7798 670 726	+44 (0)7810 540 604



What to do in Case of Emergency



Safety events during the infusion

If seizure, thrombosis or arterial occlusion occurs during infusion, the infusion must be stopped immediately. This will be recorded as part of the trial documentation and safety monitoring.

Emergency Unblinding

In general there should be no need to unblind the allocated treatment. If some contraindication to tranexamic acid develops after randomisation (e.g. clinical evidence of thrombosis), the trial treatment should simply be stopped. Unblinding should be done only in those rare cases when the doctor believes that clinical management depends importantly upon knowledge of whether the patient received TXA or placebo. In those few cases when urgent unblinding is considered necessary, the emergency telephone number should be telephoned, giving the name of the doctor authorising unblinding and the treatment pack number. The caller will then be told whether the patient received TXA or placebo.

Eligibility query or any other emergency query

Call the emergency contact number listed on TICH-3 website.

TICH-3 trial
Tranexamic acid for IntraCerebral Haemorrhage 3

ISRCTN 97695350

Room S/D2123, Stroke Trials Unit
School of Medicine, University of Nottingham
Queen's Medical Centre, Derby Road
Nottingham NG7 2UH, United Kingdom
TICH-3 trial office <tich-3@nottingham.ac.uk>


Log out

Logged in as: Nikola Sprigg <nikola.sprigg@nottingham.ac.uk> ([update_email_address](#))

For urgent medical enquiries (including [unblinding](#)), and for randomisation problems, you can contact the following emergency mobile numbers. Please ensure that you have these written down.

+44 (0)7725 580 092 +44 (0)7736 843 592

+44 (0)7798 670 726 +44 (0)7810 540 604

 The [ABC/2 calculator](#) can be used to calculate haematoma volumes during eligibility checks, without needing to be logged in.



What to do in the event of a Protocol Violation



A protocol violation is a major variation in practice from the trial protocol, for example where a participant is enrolled in spite of not fulfilling all the inclusion and exclusion criteria (e.g. lack of consent, randomisation after 4.5 hours after ICH), or where deviations from the protocol could affect participant safety, the trial delivery or interpretation significantly.

****Important to report any protocol violations to coordinating centre straight away****

All protocol violations must be reported to the Chief Investigator, via the online electronic case report form and/or telephone call. The CI will notify the Sponsor if a violation has an impact on participant safety or integrity of the trial data. The Sponsor will advise on appropriate measures to address the occurrence, which may include reporting of a serious GCP breach, internal audit of the trial and seeking counsel of the trial committees.

Sponsors SOPS on the document page; see TA016 Serious GCP Breach Reporting

IMP AND PHARMACY



Storage of IMP



- Temperature monitoring is not required. The packs will be stored at room temperature and protected from excessive heat and freezing
- TICH-3 treatment packs contain 4 ampoules: Tranexamic Acid **OR** Sodium Chloride (placebo)
- The IMP is stored in a secure, limited access storage area, this could be in the A&E, stroke ward or thrombolysis bag
- Ensure all members of the local team are aware of where the IMP and related documents (consent forms/PIS) are stored
- Local site is responsible for the accountability and monitoring of the IMP
- Research Coordinators will carry out checks monthly to ensure all treatment packs are sealed and accounted for
- TICH-3 drug should **NEVER** be given to patients that are not enrolled in to the TICH-3 trial
- To randomise **open the next lowest numbered treatment pack**





Drug dispatch



- Coordinating centre will order drug for dispatch once site is nearly ready to commence recruitment
- Blinded treatment packs will be randomly assigned to sites in blocks of 6 treatment packs
- Pharmacy informed of dispatch by email
- Delivery after noon next day of ordering
 - > No deliveries out of hours/weekends
- Pharmacy complete inventory log and part of accountability log and pass accountability log and treatment packs to research team for storage
- Investigator (this can be research team or pharmacy team) needs to 'mark available for randomisation' on TICH-3 website
- Coordinating centre will re-order/issue when stock running low or when drug due to expire

**Treatment packs for hospital C002
Derby TEST hospital**

Block	Treatment pack IDs	Dates assigned/ dispatched to centre	Date at pharmacy	Date at stroke unit	Randomised/ remaining	Comments
3	60157 60160 60174 60188 60191 60201	15 Sep 2021 -	15 Sep 2021	<input type="checkbox"/> Mark as available for randomisation	5	-
4	60215 60229 60232 60246 60263 60277	15 Sep 2021 -	15 Sep 2021	31 Jan 2022	1 5	-
5	60280 60294 60304 60318 60321 60335	15 Sep 2021 -	15 Sep 2021	15 Sep 2021	0 6	-
3 blocks	18 packs	18 assigned / 0 dispatched	18 received	11 available	2 used / 16 remaining	



IMP Paperwork (1): Set up, IMP receipt



Assessment and monitoring of remote IMP storage

1

Study Title:	Tranexamic acid for hyperacute spontaneous IntraCerebral Haemorrhage (TICH-3)
EudraCT No:	2021-001050-62
Chief Investigator:	Professor Nikola Sprigg
Site:	
Principal Investigator:	

Description of proposed area for IMP	Suitable for use (Yes/No)	Comments
Security measures in place (location, access controls etc)		
Size and description of proposed storage area (shelves, cupboards etc)		
If not for exclusive use, what controls are in place to segregate IMP from other medicines		
Description of IMP management. The following should be available.		
Dispensing procedure with documented training for research team	Select the next lowest numbered available treatment pack. Prescribing and administration guide to be followed.	
Accountability procedure with documented training for research team	Prescribing and administration guide to be followed.	
A procedure for transfer of IMP between pharmacy and proposed storage facility		
Proposed methods of maintaining pharmacy oversight		

1. Assessment & monitoring of remote IMP storage – Pre-set up:

Pharmacy and trial team to complete form as part of site set up, Pharmacy and local trial team to complete, sign and then return to coordinating centre as part of site set up, before green light can be issued.

2. IMP Inventory Log

Pharmacy to complete inventory upon receipt of the IMP treatment packs (will be sent to sites in blocks of 6 treatment packs). Inventory log to be retained in the pharmacy site file.

Tranexamic acid for IntraCerebral Haemorrhage (TICH-3) IMP Inventory Log Tranexamic acid or placebo, 4 x 5ml ampoule treatment pack							
EudraCT No:	2021-001050-62			Site:			
Principal Investigator:				Storage location:	Stroke unit / ED / other.....		
Date	Block number	Pack number	Do not use after	Received by	Date sent to stroke unit/ED from pharmacy	Initials	Comments

2

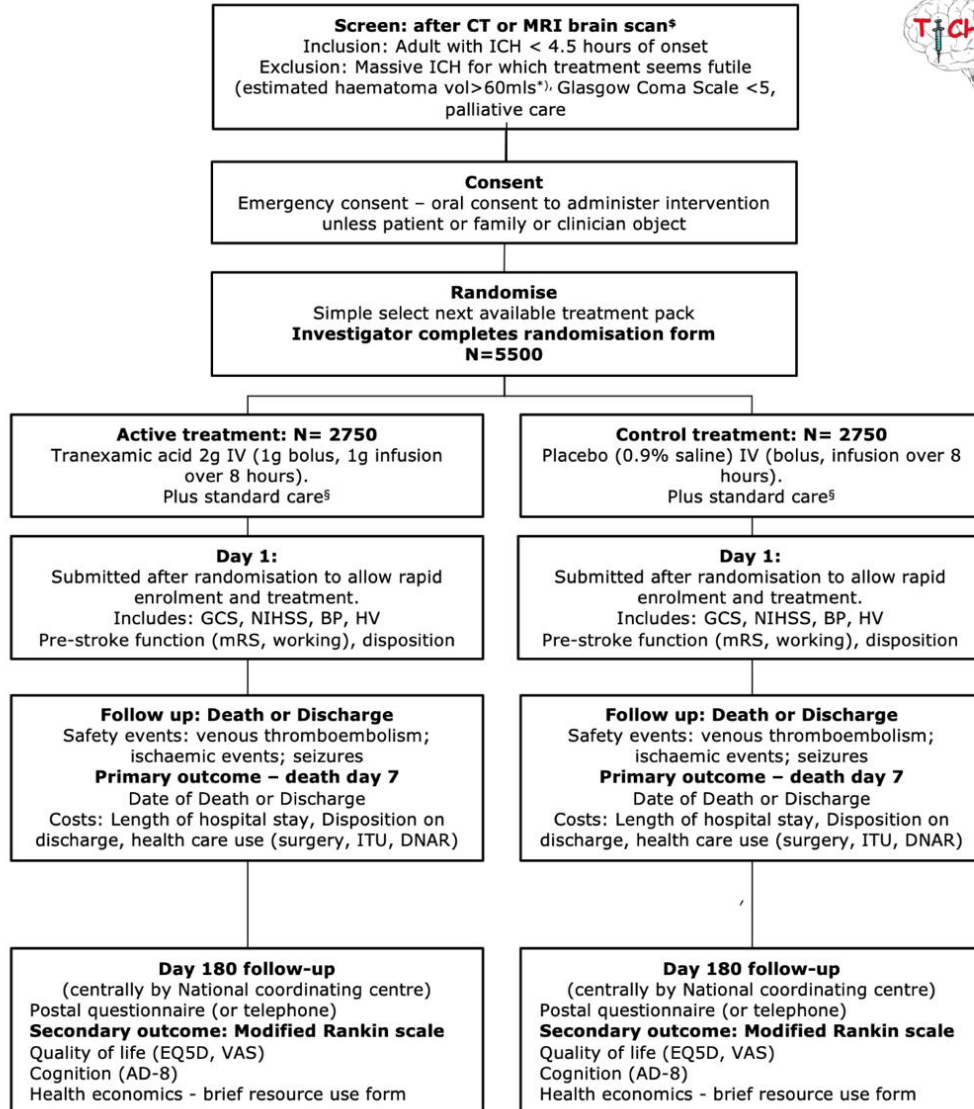
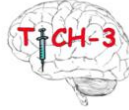
DATA COLLECTION



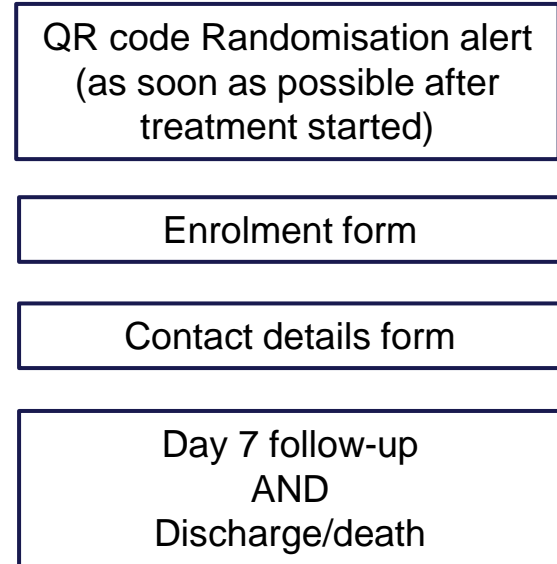
Trial Flow Chart:



TICH-3 Flow chart Protocol v1.3 4.Mar 21



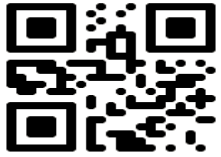
Electronic Case Report Forms (eCRFs) to be completed by local site



(See separate guidance for completion of these eCRFs)



Adding a new participant to the database



http://tich-3.ac.uk/

1. Complete randomisation alert

2. Add new participant

TICH-3 trial
Tranexamic acid for IntraCerebral Haemorrhage 3
 ISRCTN 97695350

Participant list

Queen's Medical Centre, Nottingham Investigator: **Nikola Sprigg**

« [Back to start page](#)

1: Nottingham, Queen's Medical Centre (UK) - BButton

Find centre Filter trial number(s):

Add a new participant [Non-participant protocol violations](#) (0)

Total number of trial participants recruited at this centre: 0 **1: Nottingham, Queen's Medical Centre**

Local time: 24 Mar 2022 10:14 GMT

5. Complete enrollment form

This will be a record of a manual randomisation already performed for treatment pack ID 10015.
 The next available trial number will be used for this participant.

Section A: Inclusion/exclusion criteria and consent

Inclusion criteria

- Adults within 4.5 hours of onset of acute spontaneous ICH (confirmed on brain imaging)
- When onset of symptoms is unknown, patient must be within 4.5 hours of symptom discovery and have no other exclusion criteria

Exclusion criteria

- Patient with a known indication for TXA treatment (e.g. traumatic brain injury)
- Patient with contraindication for TXA treatment
- Patient known to be taking anticoagulation at time of enrolment
- Massive ICH for which haemostatic treatment seems futile (this would ordinarily be when haematoma volume is estimated as larger than 60ml)
- Severe coma (Glasgow Coma Scale less than 5)
- Decision already taken for palliative (end of life) care with withdrawal of active treatment

A1 Did the participant have capacity to consent? Yes No

A2 Please give the name of the investigator taking initial consent for enrolment in the trial

Section B: Participant details

B1 Initials

3 letters from forenames then surname, or 2 separated by a hyphen (-)

B2 Date of birth (dd-mmm-yyyy)

B3 Sex Male Female

B4 Date/time of onset of index stroke (dd-mmm-yyyy hh:mm 24hr)

3. Need treatment pack ID number

1. Please indicate which treatment pack was used

Treatment pack ID

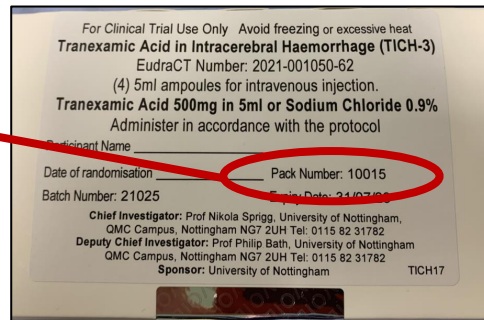
2. Please confirm that the correct hospital has been selected

Hospital C001 **Queen's Medical Centre** Stroke Office
 Room 2149, D Floor, South Block
 Queen's Medical Centre
 Derby Road
 Nottingham
 United Kingdom

Local time **10:10 GMT, 24 Mar 2022**
 (Europe/London)

Yes, randomise at hospital C001. No, select another centre

The enrolment form does not support draft records.
 The form **must** be submitted completely, otherwise the data will be lost.



4. Confirm randomisation site



Enrolment, Day 7 follow-up and Discharge/death eCRF



- The following eCRFs need to be completed in order on the TICH-3 website <http://tich-3.ac.uk/live/>

1. Enrolment form
2. Day 7 follow-up
3. Discharge or death in hospital

Total number of trial participants recruited at this centre: 2 ✓ There are no active data queries

Local time: 6 Apr 2022 13:13 BST

1: Nottingham, Queen's Medical Centre (UK) - BD

Participant ID/age at randomisation	Event date	Treatment pack ID	Randomised	Contacts/documents	Day 7 follow-up	Discharge/death	SAEs
C001-0001-F-G 93	23 Mar 2022	10015	23 Mar 2022	Y NNN	29 Mar 2022	27 Mar 2022	Select 1
C001-0002-F-0 65	29 Mar 2022	10029	29 Mar 2022	Y NNN	4 Apr 2022	-	Select

- Trial team members on the delegation log will have received an investigator ID and password to securely log in to the TICH-3 website
- You will need to enter the participant's date of birth when entering data to confirm correct participant
- The forms can be completed early if the participant dies or is discharged before day 7

****Only trial team members signed off on the delegation log can enter data****



Participant repatriated prior to day 7



Site to site transfer

If participant is transferred to another TICH-3 centre prior to day 7 please complete site to site transfer, this appears as a button on the death/discharge eCRF. Both sites can then complete the day 7 eCRF and discharge/death or submit a data correction to the eCRFs, there will only ever be one death/discharge form per participant.

Repatriated to another site within the same trust but not a TICH-3 site

If the rehab centre is not an active TICH-3 site but is within the same trust do not complete discharge form until the participant is discharged from the trust and do not complete day 7 early. Not technically classed as discharge as within same trust. C&C approvals would be in place for the trust. We ask that the staff at the recruiting site could contact the sister site in the same trust to ask for the data and record it themselves on the eCRFs.

Repatriated to non TICH-3 site and outside trust

If the rehab centre is not an active TICH-3 site and is outside of the trust, then death/discharge would be completed on the day of repatriation and complete day 7 eCRF early. We just ask that if possible if you could try and find out alive and well status on day 7 by contacting the hospital and if they have died enter this data on the day 7 eCRF by completing a data correction.



TICH-3 trial
Tranexamic acid for IntraCerebral Haemorrhage 3

Room S/D2123, Stroke Trials Unit
 School of Medicine, University of Nottingham
 Queen's Medical Centre, Derby Road
 Nottingham NG7 2UH, United Kingdom
 TICH-3 trial office <tich-3@nottingham.ac.uk>

ISRCTN 97695350

Day 7 follow-up form v1.2

Section A: Day 7 follow-up			
A1a	Participant status	<input type="checkbox"/> Alive and in hospital <input type="checkbox"/> Discharged prior to day 7 <input type="checkbox"/> Withdrawn from follow-ups <input type="checkbox"/> Died	
A1b	If died, date of death (dd-mmm-yyyy)	D ____ / M ____ / Y ____	<input type="checkbox"/> Not applicable



Inclusion of DOAC patient

Enrolment form

Section D: Medical history			
D1	History of antiplatelet therapy on admission (aspirin, dipyridamole and/or clopidogrel)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Not known
D2	History of direct oral anticoagulant(s) on admission (edoxaban, rivaroxaban, apixaban, dabigatran)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Not known
D3	History of hypertension?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Not known
D4	History of ischaemic stroke or transient ischaemic attack (TIA)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Not known
D5	History of ischaemic heart disease?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Not known
D6	History of venous thromboembolism?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Not known

On the enrolment forms there is an added question regarding patients taking DOACs (please note patients taking treatment dose LMWH and/or Warfarin are still excluded)

Day 7 follow up form

Section B: Treatment during first 6 hours after stroke onset			
B2	If the participant was taking direct oral anticoagulant(s) on admission, which reversal agents were given?	<input type="checkbox"/> Prothrombin complex concentrate (PCC) <input type="checkbox"/> Idarucizumab <input type="checkbox"/> None	<input type="checkbox"/> Not applicable

On the day seven follow up form we have asked if patients on DOAC received any reversal as a part of standard care



Recent eCRF changes – Nov 2023



- Enrolment eCRF

Added question E2b 'Intraventricular haemorrhage (IVH) present on scan?' This can be found on the CT report or ask a clinician

- Day 7 eCRF

Added questions

- A3a: Was tranexamic acid given open-label as part of clinical care?
- A3b: If yes, please provide explanation.

Tranexamic acid is not standard of care for ICH. If your patient is given tranexamic acid for a clinical reason, please report it to us. Please use the emergency phone numbers if advice is needed regarding emergency unblinding.



Uploading Participant Data - Monitoring





The coordinating centre will complete ongoing monitoring of the eCRF data and consent forms.

Consent forms


Please upload consent forms to the secure vault site via the TICH-3 website as soon as possible after enrolment.

Please do not anonymise consent forms as we need to see who gave and received consent.

 Identifying information **MUST NOT** be entered into this pseudonymised database for TICH-3. You can use the secure vault (see below) to provide us with the participant's contact details and other identifying information, which will be encrypted and stored separately.

 You can also use the secure vault to upload required documents for the selected participant. Please indicate the document type below, or use the 'Multiple document types' option (if you have a mix of documents in one file). If your file isn't a PDF or image, please 'print' it to a PDF first.

Please choose a data type to access the secure vault

 (*) applicable type only

Baseline CT scan images

To be uploaded to the TICH-3 website, not the secure vault (**MUST be anonymised**).

- The scans must include the date/time present at a minimum
- It's also preferable to retain some pseudonymised data - such as date of birth and sex - to allow the system to ensure that the correct scans are being uploaded.
- See CT scan upload guidance and WPD on the TICH-3 documents page <https://stroke.nottingham.ac.uk/sif/docs/?sid=TICH-3>



GP Letter



University of
Nottingham
UK | CHINA | MALAYSIA

To be printed on Trust Headed paper

Tranexamic acid for hyperacute spontaneous Intracerebral Haemorrhage (TICH-3)

Date

GP Address

Dear [name of GP]

Name of patient:	
Date of Birth:	

This is to inform you that the above patient registered under your care is participating in the Tranexamic acid for hyperacute spontaneous Intracerebral Haemorrhage (TICH-3) trial. Add REC and CTA reference numbers when available.

CTA: 03057/0074/001-0001

REC: 21/EM/0243

Consent has been obtained from the patient, or proxy consent has been obtained from their legal representative professional/relative, both for their participation in the trial and to provide you with this information.

This trial will assess the clinical effectiveness of Tranexamic acid after spontaneous Intracerebral Haemorrhage and determine whether Tranexamic acid should be used in clinical practice.

It is aimed that around 5500 patients with spontaneous Intracerebral Haemorrhage worldwide will be randomised into this study.

I enclose a copy of the participant information sheet for your information.

We may contact you to check on the patient's vital status prior to contacting them at 6 months.

If you need any more information or have any questions then please do not hesitate to contact your patient's research team using the contact details below.

Yours sincerely,

Name: *insert name*

Job Title: *insert job title*

RESEARCH TEAM CONTACT DETAILS

Add local research team contact details here

- Please send a letter to the participants general practitioner to inform them of the patients participation in the trial.
- A template for this is available on the TICH-3 documents page <https://stroke.nottingham.ac.uk/sif/docs/?sid=TICH-3>
- File a copy in the local site file with the consent form (both documents are unanonymised) and in the participants medical notes.
- The GP letter and other trial documents (participant information sheets and consent forms) are to be localised by the local site, see WPD W004 Preparing Trial Documentation on the TICH-3 documents page.

LOCAL SITE FILE

Sponsors SOPS can be found on the document page; see TA010 TSF Set up



Local Site File Contents

- Please see the TICH-3 website <http://tich-3.ac.uk/docs/> where you can download a contents page for the local investigator site file.
- The coordinating centre will not be sending local (investigator) hardcopy sites files in the post for reasons due to sustainability and version control.
- All documents will be available on the TICH-3 website <http://tich-3.ac.uk/docs/> – if the local site want to print their own local site file that is their choice and their responsibility to keep the hardcopy site file up to date (this applies to electronic as well).
- The coordinating centre will send any amendment notifications electronically with guidance of if any documents need superseding, we will then put the updated documentation on the TICH-3 website.
- Sites need to ensure that there is an AUDIT trail for monitoring purposes – and all up to date documents are available.
- Safety – file SAE forms in site file after sign off by PI



TICH-3 trial – Tranexamic acid
for IntraCerebral Haemorrhage 3

Trial documents

Emergency contacts

This page does not provide the emergency mobile numbers.

Please [log in](#) to view them, or bookmark the main documents page instead of this one.

Approved protocol

- [Protocol Final v1.0 03.11.2021 fully signed.pdf](#)

Expression of interest

- [Online expression of interest form](#)

Trial documents

- [Contact List 08.03.22.pdf](#)
- [File Note v1.0 01.05.21.docx](#)
- [Poster for ED v1.0 05.01.22.pdf](#)
- [Site File Index v1.0 20.10.21.pdf](#)

UK site training

- [Enrolling Investigator Training Final v1.0 17.03.2022.pdf](#) (updated 3 days ago)
- [Investigator Training Final v1.7 17.03.2022.pdf](#) (updated 3 days ago)
- [Pharmacy Training Final v1.0 02.02.2022.pdf](#)

Information sheets and consent forms

- [Participant Full Consent Form -TICH-3 - Final v1.0 - 03.11.2021.docx](#)
- [Participant Information Sheet - TICH-3 - Final v1.0 - 03.11.2021.docx](#)
- [Participant Short Information Sheet - TICH-3 - Final v1.0 - 03.11.2021.docx](#)
- [Professional \(Legal Rep\) Full Consent Form - TICH-3 - Final v1.0 - 03.11.2021.docx](#)
- [Professional \(Legal Rep\) Information Sheet - TICH-3 - Final v1.0 - 03.11.2021.docx](#)
- [Professional \(Legal Rep\) Short Information Sheet and Consent TICH-3 - Final v1.0 - 03.11.2021.docx](#)
- [Relative \(Legal Rep\) Full Consent Form - TICH-3 - Final v1.0 - 03.11.2021.docx](#)
- [Relative \(Legal Rep\) Information Sheet TICH-3 Final v1.0 - 03.11.2021.docx](#)
- [Relative \(Legal Rep\) Short Information TICH-3 Final v1.0 - 03.11.2021.docx](#)
- [GP letter final v1.0 03.11.2021.docx](#)

Pharmacy documents

- [Assessment and monitoring of remote IMP storage Final v1.0 20.12.2021.docx](#)
- [IMP Final v2.0 09.03.2022.pdf](#)
- [IMP Accountability log Final v1.0 07.12.2021.docx](#)
- [IMP Check Final v1.0 20.12.2021.docx](#)
- [IMP Inventory Log Final v1.0 20.12.2021.docx](#)
- [Information for Pharmacy Final v1.0 20.12.2021.pdf](#)
- [Prescribing and administration guide Final v1.0 17.11.2021.pdf](#)
- [Treatment packs specification.pdf](#)





Electronic Delegation Log



Only people appropriately trained and delegated responsibility on the delegation log can take consent.

Anyone who is involved in the trial needs to be on the delegation log; nurses, admin entering data onto online platform, doctors, pharmacist handling the IMP. Can have as many people on the delegation log as required.

The training and roles delegated should be appropriate to the respective job role.

Completing training log will generate an email to the PI asking them to sign you on to the log

Requirements for the local team member to be able to go on the TICH-3 delegation log;

- Up to date investigator CV
- Evidence of GCP training
- Completion of TICH-3 training relevant to role in trial

It is the local PI's responsibility to check local teams investigator CV and GCP before they can be signed off on the delegation log

New members to the team need adding to the delegation log (meeting the requirements above) before they can start working on the TICH-3 trial.

If staff leave the team the PI is required to sign and date 'role finished' against their name.

[Print this certificate](#) or [go to the TICH-3 start page](#)



For site initiation we require a minimum of the following team members signed off on the delegation log

- Principal Investigator
- Research Nurse/coordinator
- Pharmacist

➤ Please return the training log to us as soon as possible after training completed



Electronic Delegation Log



TICH-3 delegation log for C001 Nottingham, Queen's Medical Centre

Chief investigator: Nikola Sprigg

Principal investigator: Kailash Krishnan

Log ID	Investigator name/ID	Certificate/ date trained	Roles and responsibilities*	Delegation log status
1	Kailash Krishnan <i>Consultant Physician</i> (K Krishnan)	G9L3P7 2 Feb 2022	Principal investigator ABCDEFGHIJKL <u>M</u> NOPQRSTUVWXYZ	7 Mar 2022 08:23 Authorised <i>Kailash Krishnan</i>
2	Nikola Sprigg <i>Professor of stroke medicine</i> (N Sprigg)	L9N9E7 2 Feb 2022	Site investigator BFHIJKL <u>N</u> OPQRSYZ	7 Mar 2022 08:25 Authorised <i>Kailash Krishnan</i>
3	Rachel Facilitator <i>Researcher</i> (R Facilitator)	L3N3F7 2 Feb 2022	Site investigator BFHIJKL <u>N</u> OPQRSTY	7 Mar 2022 08:25 Authorised <i>Kailash Krishnan</i>
4	Clara Researcher <i>Clinical Trials Researcher</i> (C Researcher)	K7H7C6 4 Feb 2022	Site investigator BFHIJKL <u>N</u> OPQRSTY	7 Mar 2022 08:25 Authorised <i>Kailash Krishnan</i>
5	Any Doctor <i>Researcher</i> (A Doctor)	F3C9T7 2 Feb 2022	Site investigator BFHIJKL <u>N</u> OPQRSYZ	7 Mar 2022 08:25 Authorised <i>Kailash Krishnan</i>
6	Zee Pharmacist <i>Pharmacy DTO</i> (Z Pharmacist)	Y7X6Y7 2 Mar 2022	Pharmacist # FHLNPQSY	12 Mar 2022 08:49 Authorised <i>Kailash Krishnan</i>



Delegated roles:

Investigators should only be delegated roles for which they are appropriately skilled and trained.

Staff who work across multiple sites can be on multiple delegation logs as investigators at multiple sites but must be approved by the PI at each site.

Example – doctors providing telemedicine acute stroke cover across sites

PI is responsible for signing investigators on and off the log



- A. Overall responsibility for study at site and responsible for local financial management where appropriate. **PI**
- B. Medical care and supervision of trial patients. **I, PI, DPI**
- C. Obtain local ethics committee and R&D approvals and communication of subsequent amendments. **PI, DPI**
- D. Ensuring all staff delegated to work on the trial are adequately informed as to the protocol requirements and trained in study procedures. **PI, DPI**
- E. Delegation and authorisation of study related duties. **PI, DPI**
- F. Act as document controller for trial related documents. **I, P, PI, DPI**
- G. Set up and maintenance of Site File. **PI, DPI**
- H. Implementation of subject recruitment strategy and obtaining informed consent. **I, P, PI, DPI**
- I. Screening of potential subjects. **I, PI, DPI**
- J. Obtaining consent for enrolment (including oral consent, as appropriate to local policy and practice). **I, PI, DPI**
- K. Randomisation (allocation of trial intervention). **I, PI, DPI**
- L. Completion and return of CRFs, including electronic entries. **I, P, R, PI, DPI**
- M. Authorisation of CRF. **PI, DPI**
- N. Respond to data queries. **I, P, R, PI, DPI**
- O. Prescription of and administration of IMP. **I, PI, DPI**
- P. Be familiar with IMP safety data and disseminate to staff. **I, P, PI, DPI**
- Q. Ensure IMP accountability. **I, P, PI, DPI**
- R. Documentation of adverse events and timely SAE reporting. **I, PI, DPI**
- S. Adhere to CI recommendations in response to SAEs. **I, P, PI, DPI**
- T. Collection of trial related biological samples. (n/a)
- U. Initiation (training) of new trial personnel. **PI, DPI**
- V. Prepare and be available for audit and inspections. **PI, DPI**
- W. Archiving of trial data. **PI, DPI**
- X. Responsibility for data monitoring. **PI, DPI**
- Others as locally applicable or trial specific (list)*
- Y. Destruction of IMP. **I, P, PI, DPI**
- Z. Obtaining follow-on written consent (after initial consent) to continue in the study and for follow-up. **I, PI, DPI**



Training opportunities:



[NIHR Associate PI Scheme Website](#) great for your CV!

Register: [NIHR Associate PI Scheme Applicant Registration Form](#)

We recommend sites consider appointing an associate PI – please discuss if any questions.

FUNDED BY

NIHR | National Institute for
Health and Care Research

Enrolling doctors/clinicians:

Focused training – 20 minutes – eligibility, consent, safety

Pharmacy team:

Focused training – 20 minutes – drug accountability, safety

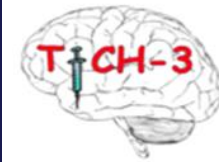
Access training documents page:

<https://stroke.nottingham.ac.uk/sif/docs/?sid=TICH-3>



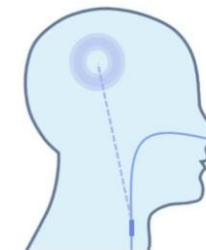


Co-enrolment with TICH-3



Co-enrolment is permitted, and sponsor approved for the following University of Nottingham sponsored trials (contract with site not required)

- MAPS-2 (IC now up-to 24 hours to enrol)
- PhEAST (IC now 2 – 31 days)



PhEAST

Co-enrolment has been agreed with the following non-University of Nottingham sponsored CTIMPs (contract with site REQUIRED before co-enrolment is permitted)

- TRIDENT
- ENRICH-AF (MASTER CONTRACT NOW AGREED)

ENRICH-AF



TRIDENT

Triple therapy prevention of Recurrent Intracerebral Disease Events Trial

If you are taking part in either trial, please let us know so your site (PI and R&I) can document they agree to co-enrolment at your site.

Please let us know if there are any other trials you may wish to co-enrol with so that we can begin the contracts process.

There is a co-enrolment log on the TICH-3 documents page
<https://stroke.nottingham.ac.uk/sif/docs/?sid=TICH-3>



Site requirements before start up



Attendance at training for minimum PI, one research nurse/coordinator and one pharmacist

Paperwork - send documents to coordinating centre via email.

- Signed and dated recent investigator CV and GCP certificate of the local Principal Investigator
- Attendance investigator training log
- Assessment and monitoring of remote IMP storage form
- Fully executed non-commercial agreement and confirmation of local capacity and capability

Electronic delegation log

Local PI to authorise all local team members onto the online delegation log via the TICH-3 website.

Drug dispatch

Drug will be dispatched when the delegation log has been countersigned by the PI, drug needs to be marked as received and then marked as available for randomisation on the TICH-3 website.

Green light

We will advise once everything has been checked and confirm that the site can open to TICH-3 by sending the regulatory green light email from the University of Nottingham sponsor.

- All documents are required to be stored in your local investigator site file (electronic or hardcopy)

****Investigators may only work on the trial once signed off on the delegation log and the site may only begin enrolling participants in the trial after green light has been received from the sponsor****

STUDY WITHIN A TRIAL (SWAT)



SWAT Sub-study



Aim: To reduce inequalities in enrolling participants from minority communities.

Population: All individuals recruited to the TICH-3 trial in the UK.

Intervention: Animated participant video

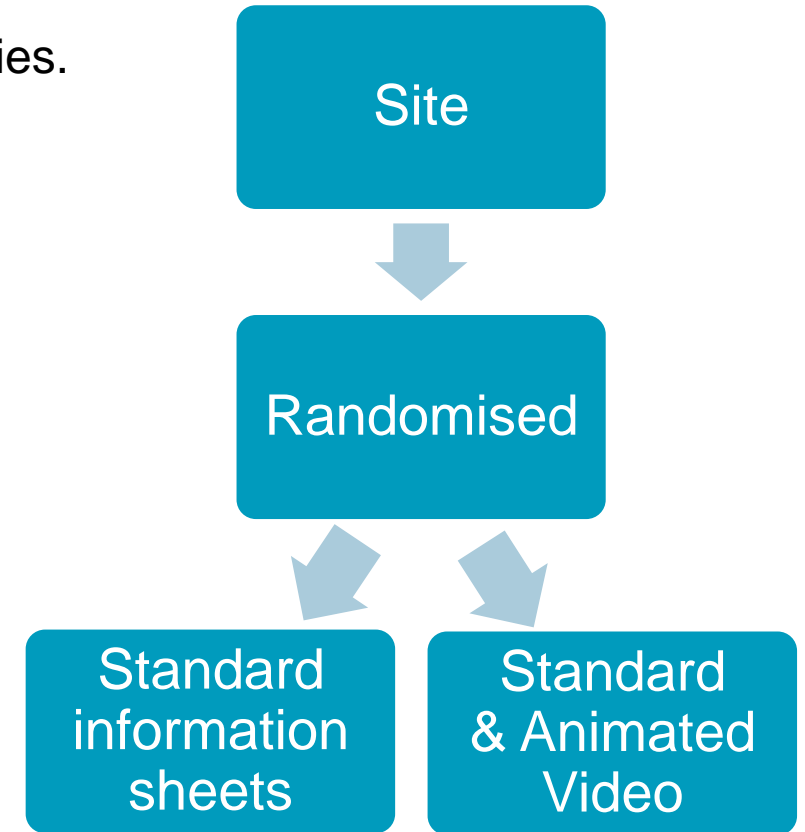
Control: Standard information sheets

Outcome measures:

1. Proportion providing consent for follow up:
 - i. In the TICH-3 UK study population as a whole
 - ii. By ethnic minority groups versus non-ethnic minority groups
2. Follow up completion rates in the control and intervention groups.

Design: Cluster randomisation at site level

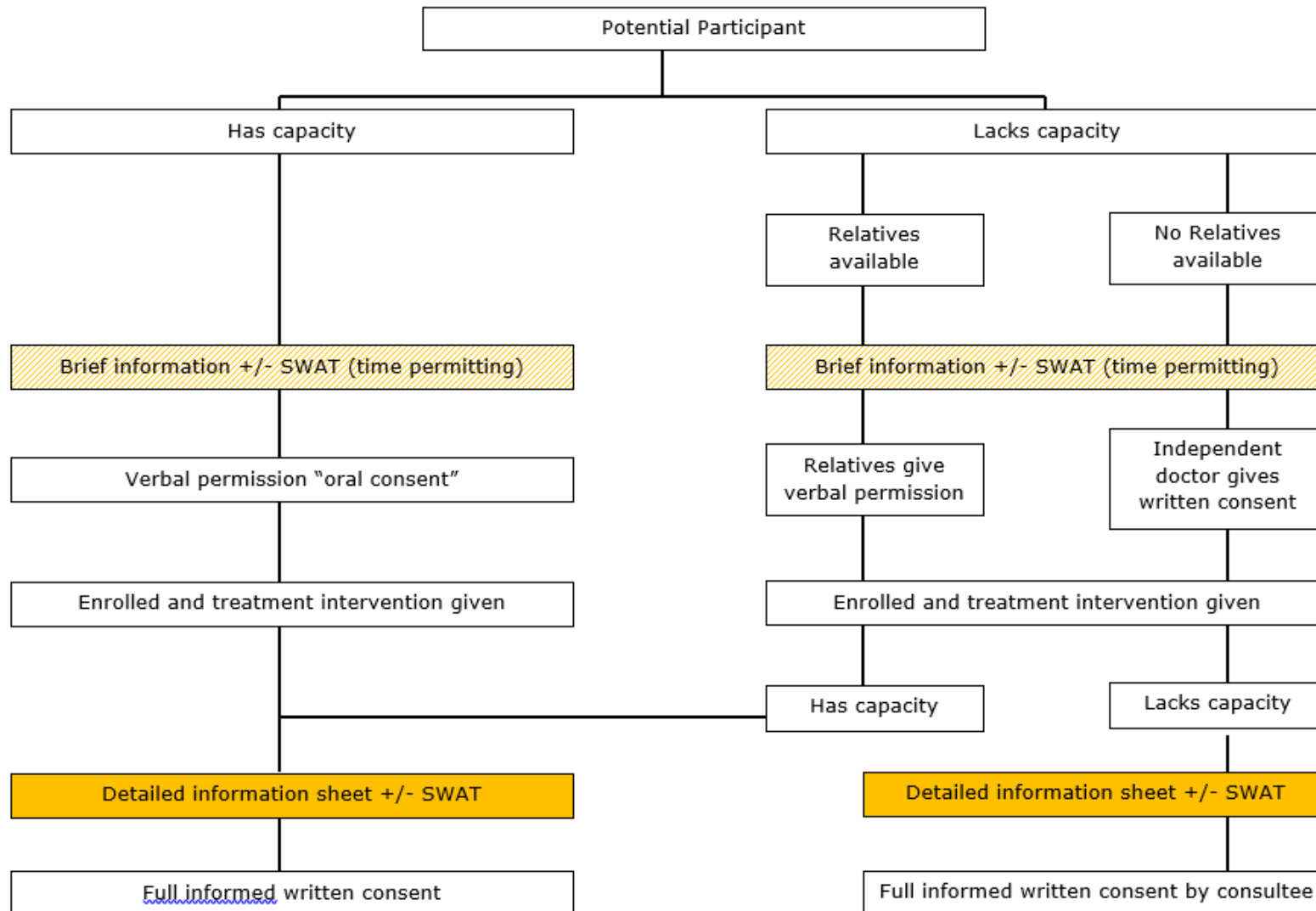
Sites will be informed of their randomisation prior to initiation and Sites will be given training on how to use the video if randomised to animated video



Note: Animated video will be used **in addition** to the standard consent process and information sheets. Given the age and recent stroke, the intervention **may improve understanding of all participants** not just those in ethnic minority groups, we will therefore **include all UK participants** rather than the sub-set from ethnic minority groups in the SWAT.



SWAT Consent Process



- All participants give follow on written consent.
- Sites randomised to the enhanced process will have access to the website with the video in 5 languages.
- On day 7 the eCRF will capture if the video was used.
- The database will also record when the video is accessed.

Only sites randomised to enhance consent will be given access links to the videos



TICH-3 consent

Welcome to TICH-3, which is a clinical trial to assess whether tranexamic acid reduces death and dependency after hyperacute (within 4.5 hours of onset) spontaneous intracerebral haemorrhage.

Please select the most suitable language for the patient

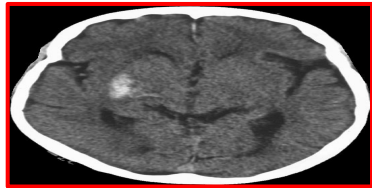
- [English](#)
- [Polish](#) polski polszczyzna
- [Bengali](#) Bangla বাংলা
- [Punjabi](#) Panjabi ਪੰਜਾਬੀ ਪੰਜਾਬੀ
- [Urdu](#) اُردُو



SUMMARY

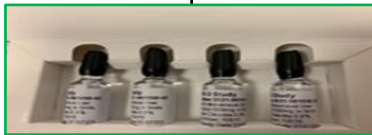


TICH-3 Key Points



Verbal permission

Randomise - open lowest numbered treatment pack



Recruitment Alert



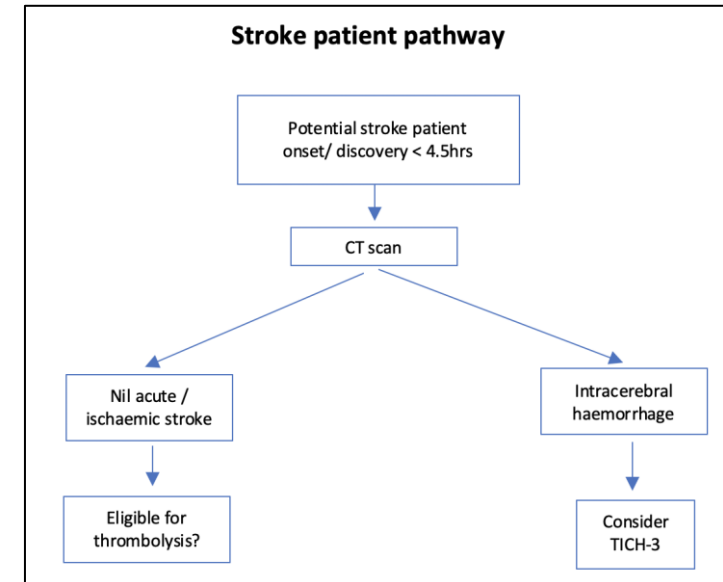
Written consent

Primary outcome:
Mortality day 7

Secondary:
mRS day 180



- Pragmatic design and methods
- Inclusion criteria – ICH < 4.5 hours, Exclusion - massive ICH (low GCS < 5, HV > 60mls), contraindication to tranexamic acid (e.g. seizures)
- Emergency consent – initially oral followed by written consent
- Simple randomisation – use the lowest available treatment pack number and administer treatment
- QR code randomisation alert – inform trial office of enrolment – after treatment started
- Safety monitoring – safety events for 7 days, SAR and SUSAR Venous and arterial occlusive events and seizures
- Central postal/telephone follow up at 6 months





ACTION – Return Training Log



- Please use the self referral form to create your account for the TICH-3 website after training has been completed, this also adds you to the online delegation log for PI approval:

<http://tich-3.ac.uk/?ZSelfRef>

- Team members who could not attend live training can access training slides from TICH-3 website https://stroke.nottingham.ac.uk/tich-3/docs/#UK_site_training

There are 3 versions of the training slides

1. Investigator training which gives a detailed description of the whole trial process, intended for the PI and research nurses/coordinators. There is also a video of this training.
 2. Enrolling investigator training this streamlined training is intended for team members who will only be taking enrolment consent i.e. consultants
 3. Pharmacy training this streamlined training is intended for members of pharmacy team
- A short 3 ½ minute video is available to introduce team members to the TICH-3 trial <http://tich-3.ac.uk/docs/#Videos>

CONTACT INFORMATION



University of Nottingham Trial Team



Name	Role	Contact Information
Brittany Hare	Clinical Trials Manager (UK Site Recruitment)	E: brittany.hare@nottingham.ac.uk
Joseph Dib	Clinical Trials Manager (International Site Recruitment)	E: joseph.dib4@nottingham.ac.uk
Kerry Larkin	Follow Up Coordinator	E: kerry.larkin@nottingham.ac.uk
Solomon Adegbola	Follow Up Coordinator	E: solomon.adegbola@nottingham.ac.uk
Christopher Cheung	Research Coordinator	E: christopher.cheung@nottingham.ac.uk
Kennedy Cadman	Research Coordinator	E: kennedy.cadman@nottingham.ac.uk
Chaamanti Menon	Trial Medic	E: chaamanti.menon@nottingham.ac.uk
Tiffany Hamilton	Senior Trial Manager	E: tiffany.hamilton@nottingham.ac.uk
Nikola Sprigg	Chief Investigator	E: nikola.sprigg@nottingham.ac.uk

Trial Coordinating Centre contact information:



+44(0)115 823 1782



TICH-3@nottingham.ac.uk



University of
Nottingham

UK | CHINA | MALAYSIA



THANK YOU!

Any questions?



Audit list of updates to training presentations



Previous versions

Final version 3.2 18/08/2023

- SAE reporting updated following sponsor audit that if report event such as seizure and ppt dies unless the seizure is attributed to ppt death then the SAE should be updated to resolved (if was classed ongoing) and then separate SAE submitted to report death
- Page 10 added 'IMP treatment should be started within the 4.5 hours inclusion window'
- Added e.g. Seizures to synopsis page
- Deleted one of the DOAC FAQ pages after merging them on to one page
- Consent – added reminder initials not ticks
- Updated TICH-3 trial team

This version 3.3 11/12/2023

- Added to prescribing and admin guide slide do not need to be GCP trained in addition to do not need to be on delegation log
- Updated eligibility slide with image
- Updated HV measurement slide (+/- 10%) and image examples
- Added out of hours recruitment slide
- Added remote recruitment slide
- Added ABC-ICH bundle of care slide
- Replaced associate PI scheme slide with training opportunities slide
- Updated co-enrolment slide PhEAST IC now 2 – 31 days
- Deleted repetition of slide SAE reporting cause of death
- Added eCRF changes slide IVH and open label TXA
- Updated standard of care slide with reference to INTERACT trial
- Updated storage of IMP slide
- Updated University of Nottingham Trial Team
- Removed drug charts and CT scan reports paragraph from slide 'uploading participant data – monitoring'
- Deleted overview slide

ADDITIONAL INFORMATION



Obtaining Oral Consent

The person taking verbal consent must be appropriately trained and delegated by the PI to take consent on the delegation log

- "The responsible doctor or delegate will explain that the patient has had stroke caused by bleeding in the brain known as intracerebral haemorrhage (ICH) and will receive the usual emergency treatments for ICH. That, in addition to the usual care, the patient may be enrolled in a research study that aims to improve the treatment of patients with ICH once confirmed by a brain scan. Whilst we hope that TXA will improve recovery after ICH, at present we cannot be sure about this."
- A brief information sheet will be provided but detailed written information will only be provided if the patient requests at this point.
- We recommend that a maximum of approximately 10 minutes should be taken obtaining initial oral permission (consent) due to emergency nature of treatment administration. If the potential participant does not want to decide in such a short time frame they will not be enrolled.
- The case report form and medical records will record that the patient meets the TICH-3 eligibility criteria and initial oral consent was given.
- If patient lacks capacity - relatives (or close friends) can provide oral consent if they can be contacted rapidly in time frame required. Oral consent can be given over the telephone, bearing in mind emergency nature of the clinical situation.
- Where the doctor assesses the patient via telemedicine, verbal consent will be obtained and witnessed by someone present in the hospital and this will be recorded in the medical notes.



Documenting Consent

Yes



ALL CONSENT PROCESSES NEED TO BE RECORDED IN THE PARTICIPANT'S MEDICAL NOTES

For example:

- Patient meets criteria for TICH-3 and gives oral consent
- Patient meets criteria for TICH-3, but lacks capacity, wife provided oral consent over the telephone, witnessed by staff nurse Mr ED Nurse (Figure 1)
- Patient meets criteria for TICH-3, but lacks capacity, attempt to contact relative with no response so independent doctor provided written consent
- Patient meets criteria for TICH-3 study, oral consent was obtained after discussion over telemedicine with Dr O Call
- Patient meets criteria for TICH-3, but lacks capacity, no relatives available, independent doctor provided written consent via telemedicine – witnessed and recorded on written form (figure 2)

1

21.02.22 1020 Am: ED.
 ICH onset 3 hrs ago.
 Patient meets criteria for TICH-3 trial.
 verbal consent given by wife -
 patient lacks capacity due to stroke.

Dr
 SP1144.
 QWXYZ

2

Professional nominee consent - to be completed if participant does not have capacity to consent

Dr Indi Pendent	01.01.01	electronic
Name of Person giving nominee consent	Date	Signature
Relationship to patient (please tick):	Healthcare Professional	<input checked="" type="checkbox"/>
Name of Person taking consent	Date	Signature
Telemedicine used (please tick if Yes)	<input checked="" type="checkbox"/>	
Ms. Staff Nurse	01.01.01	S. Nurse
Name of Witness if consent taken	Date	Signature

3 copies: 1 for participant, 1 for the project notes and 1 for the medical notes



Inform trial office: Randomisation Alert



Please notify the coordinating centre that a randomisation has taken place as soon as possible after administration of the IMP

EXAMPLE QR CODE



A QR code has been created to go inside the treatment packs, on the prescribing and administration guide, which will take the person scanning the code directly to the TICH-3 website.

Ease of use - generate alerts without needing to log in (do not need a username and password)

- Alternatively, investigators can type in link under QR code without scanning or log in as normal
- The coordinating centre will monitor the alert log and to follow-up sites/participants

QR code not working or unable to access TICH-3 website

If you cannot access the website, please call the trial office on +44 (0)115 823 1782 with treatment pack ID, participant's initials, date of randomisation and name of person enrolling the participant (voicemail 24/7).



Amendments approval



■ SA_01_22

Professor Nikola Sprigg formally reinstated as CI. IMP be defined by active substance only rather than by a specific product.

Submitted – 22/11/2021

Approved - REC 17/12/2021, HRA 19/01/2022, MHRA Approved as part of first clinical trial authorisation received on 03/11/2021 CTA document

■ SA_02_22

SWAT video completed and transcript uploaded for ethical approval.

Submitted – 21/02/2022

Approved – REC and HRA 31/03/2022, MHRA not required

■ SA_03_22

Health economics resource questionnaire and cover letter.

Approved - REC and HRA 21/07/2022, MHRA not required



Amendments approval



■ SA_04_22 approved 30/01/2023

Protocol amendment, the protocol that sites should adhere by is now TICH-3 Protocol Final v2.0 30.01.2023

Summary of changes

1. Patients that are on DOACs at the time of ICH are now eligible to be enrolled into TICH-3
2. Trial background information literature review updated
3. Inclusion of adults clarified to (≥ 18 years)
4. Safety reporting – pregnancies occurring in trial participants or partners of trial participants will not be followed up as TXA has a short half life and TXA is very commonly used during pregnancy.
5. Appendix 1
 - i. Table one wording has been amended to EXPECTED EVENTS NOT SUBJECT TO EXPEDITED **SUSAR** REPORTING. Note: Table one isn't whether the event is to be reported or not but states the events that are expected after tranexamic acid but not subject to expedited reported as they are expected so are not a SUSAR.
 - ii. Table two been removed as they are common side effects after haemorrhagic stroke and are unnecessary to be reported. Table 1's text has been updated so that it is clear the events that should be reported isn't whether the event is to be reported or not but states the events that are expected after tranexamic acid but not subject to expedited reported as they are expected so are not a SUSAR.
6. Health economics outcomes have been moved from the Health economics chapter to secondary outcomes.
7. Layout corrections