# Haemorrhage alleviation with

tranexamic acid - Intestinal system

### **Gastrointestinal haemorrhage**

- A common emergency
- Important cause of mortality and morbidity
- Case fatality is high (10–20% in the UK)



Rockall TA et al. BMJ, 1995. 311(6999): p. 222-6.
Williams JG et al. Gut, 2007. 56 Suppl 1: p. 1-113.

### Most common causes

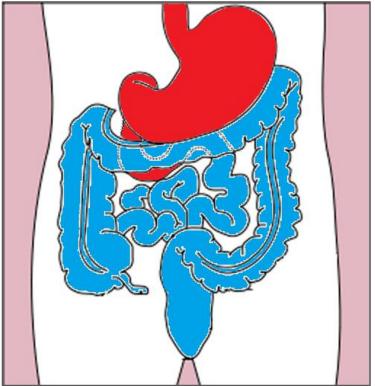
Cause varies by country, but in general:

### Upper GI haemorrhage:

- Peptic ulcer
- Oesophageal varices

### Lower GI haemorrhage:

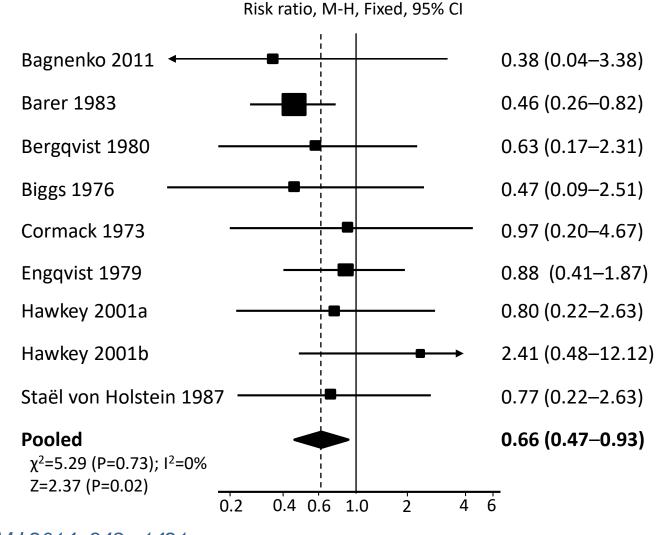
- Diverticular disease
- Colitis
- Cancer



modified from an image in the public domain, Wikimedia Commons

## **TXA in upper GI bleeding**

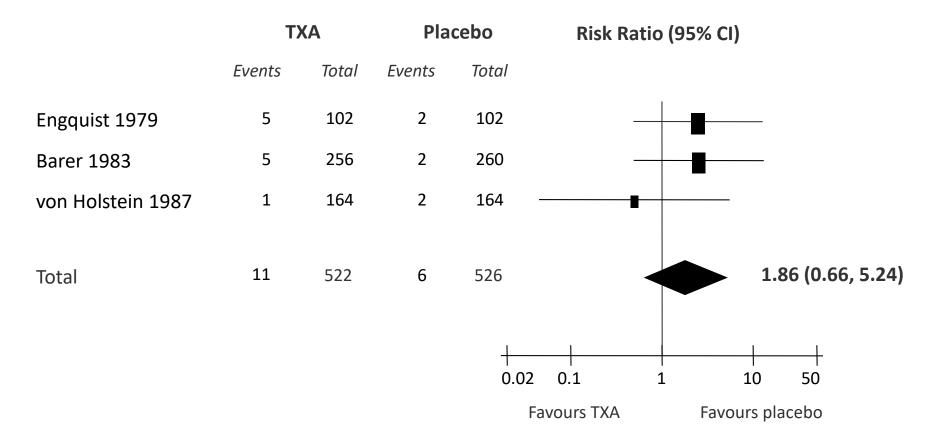
### TXA may reduce death in GI bleeding but the quality of the trials is poor



Manno D et al. BMJ 2014; 348:g1421

## TXA in upper GI bleeding (2)

# Trials are too small to assess the effect of TXA on thromboembolic events



### **Rationale for Halt-it**

- GI bleeding is an important cause of death
- > TXA reduces bleeding in surgery
- > TXA reduces death due to bleeding in trauma patients
- TXA may reduce deaths in GI bleeding but the evidence is poor
- TXA could reduce death and morbidity in GI bleeding



- The HALT-IT trial will provide reliable evidence about the effect of tranexamic acid on mortality and morbidity in patients with significant gastrointestinal bleeding.
- The effect of TXA on the risk of thromboembolic events will also be assessed.

## **Study characteristics**

- Trial design: randomised, double blind, placebo controlled
- Target sample size: 8,000 adults with acute significant upper or lower GI bleeding
- Where? Worldwide: Egypt, Georgia, Malaysia, Nigeria, Pakistan, Papua New Guinea, Romania, United Kingdom



### Aims

To quantify the effect of TXA on mortality and morbidity

Primary outcome: death in hospital within 28 days of randomisation (cause-specific mortality will also be recorded)

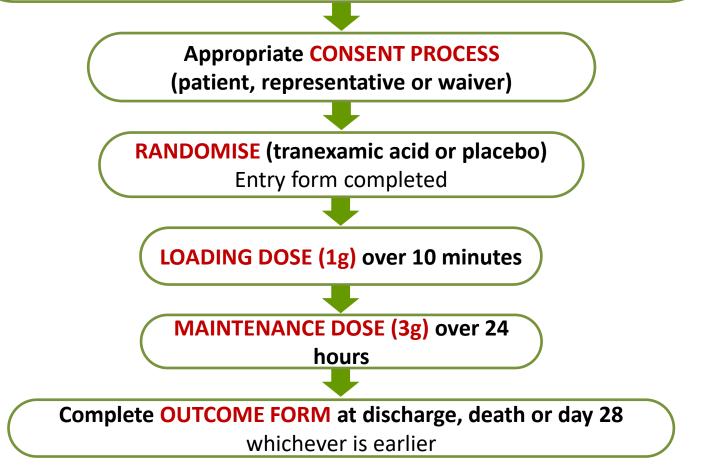
### Secondary outcomes:

- Re-bleeding
- Need for surgery or radiological intervention
- Blood product transfusion
- Thromboembolic events
- Other adverse medical events
- Patient's selfcare capacity
- Days spent in ICU or HDU
- Patient status (death, hospital readmission) at 12 months\*

### **Overview**

### **ELIGIBILITY** (data collected on entry form)

Adults with significant acute upper or lower gastrointestinal bleeding
 Responsible clinician is substantially uncertain as to the appropriateness of tranexamic acid in a patient



All clinically indicated treatment is given in addition to trial enrolment

Adverse events are reported up to day 28

If prior consent waiver used, consent from patient or relative required after emergency is over

# **Entry form**

| 1. Country  |                 |              |  |  |             |                             |
|---|-----------------|--------------|--|--|-------------|-----------------------------|
| 2. Hospital code (in your Study File)             |                 |              |  |  |             |                             |
| ABOUT THE PATIENT (please ensure all in)          | formation below | v is contair | ed in the me                                   | dical records)   |             |                             |
| 3. Patient's initials                             | first           |              | last   |  |             |                             |
| 4. Sex (circle)                                   | MALE            |              | Female   |  |             |                             |
| 5. Do you know the date of birth? (orde)          | YES             | day ma       | пті укал                                       | NO – appro   | oximate age | years                       |
| 6. Time since onset of GI bleed symptoms          | bours           | in in        | lation to THIS act                             | ite episode only   |             |                             |
| 7. Suspected location of GI bleed (circle one)    | UPPER           |              | LOWER  |  |             |                             |
| 8. Haematemesis or coffee-ground vomitus (circle) | YES             |              | NO   | Also circle YES if presence of blood in nasogastric<br>aspirate  |             |                             |
| 9. Melaena or fresh blood per rectum (circle)     | YES             |              | NO   | Also circle VES if accult or gross blood present on<br>rectal examination  |             |                             |
| 10. Suspected variceal bleed? (circle)            | YES             |              | NO   | NO   |             |                             |
| 11. Systolic blood pressure                       | mmHg            | Mos          | Most recent measurement prior to randomisation |  |             |                             |
| 12. Heart rate                                    | beats per min   |              | t recent measure                               | oment prior to rande   | omisation   |                             |
| 13. Signs of shock present? (circle)              | YES             |              | NO   | Shock assessment based on clinical signs (eg law<br>BP, tachycardia, failing write output) that requires<br>intervention (eg intravenous fluids) |             |                             |
| 14. Suspected current active bleeding? (circle)   | YES             |              | NO   | Clinical judgement after considering history, signs<br>and symptoms  |             |                             |
| 15. Other co-morbidities? (circle all that apply) | CARDIOVASCULAR  | RESPIRATOR   | W LIVER  | RENAL  | MAUGNANCY   | OTHER MAJOR<br>CO-MORBIDITY |
| 16. On anti-coagulant therapy? (circle)           | YES             |              | NO   | UNKNOW   | N           |                             |
| 17. Emergency admission? <i>teirclei</i>          | YES             |              | NO   | if patient already hospitalised, circle 'No'   |             |                             |

| 18. Eligible? (orde)   |                 | YES                   | NO<br>do not randomise, record an screening io |                    |  |
|--|-----------------|-----------------------|--|--------------------|--|
| 19. Consent for entry obtained from (orcie)                              | WAIVER          | RELATIVE              | OTHER<br>REPRESENTATIVE                        | PATIENT            |  |
| 20. Treatment pack number<br>Take lowest available number treatment pack | BOX             | BOX                   |  | РАСК               |  |
| 21. Date of randomisation  | day             | manth                 | year   |                    |  |
| 22. Time of randomisation (24-hour clock)                                | hours           | minutes               |  |                    |  |
| 23. a) Name of person randomising patient                                |                 | first name            | last nome                                      |                    |  |
| b) Signature   |                 |                       |  |                    |  |
| PLEASE SEND THESE DATA TO THE COORDINA                                   | TING CENTRE IMP | MEDIATELY AFTER RANDO | MISATION - SEE GUIDAN                          | CE OVERLEAF        |  |
| Protocol Code:   | Page            | 1 of 2                | Draft Ve                                       | rsion 0.1c Entry F |  |

### One page only

- Complete questions 1–18 to assess eligibility
- If eligible, follow appropriate consent process
   – complete 19

RANDOMISE: Use next lowest available pack number STRICT NUMERICAL ORDER

### **Outcome form**

|  | Śit 👘   |   |   |                                       | COME   | Attach tr<br>pack stick<br>box/pack                  | er or wri                                |  |
|--|---|---|---|---------------------------------------|--|--|--|--|
|  |   | •   |   | -                                     | n the randomising hospital,  | box/pack   | I I                                      |  |
|  | death i   | n hospital o  | or 28 da  | ys after ra                           | andomisation, whichever occurs first   |  |  |  |
| L. HOSPITAL  |   |   |   |                                       | 8. BLOOD PRODUCTS TRANSFUSION (if  |  |  |  |
| a) Country   |   |   |   |                                       | a) Were blood products transfused?   | YES  | NC                                       |  |
| <b>b)</b> Hospital code  |   |   |   |                                       | b) Units whole blood/red cells (part unit = 1 un   | nit)   | u  |  |
| 2. PATIENT DETA  | ILS   |   |   |                                       | c) Frozen plasma (part unit = 1 unit)  |  | u  |  |
| a) Initials  |   | first   |   | last                                  | d) Platelets (part unit = 1 unit)  |  | u  |  |
| <ul> <li>b) Age at entry</li> </ul>  |   | Jirst   |   | IDSE                                  | 9. MANAGEMENT (if none enter 0)  |  |  |  |
| c) Written consent   | obtained from   |   |   | a) Days in Intensive Care Unit (ICU)  |  |  |  |  |
| patient or representative? YES   |   |   | NO  | b) Days in High Dependency Unit (HDU) |  |  |  |  |
| d) If no written   |   |   |   |                                       | 10. COMPLICATIONS (circle one option on  | aach lina)   |  |  |
| consent, give rea  |   |   |   |                                       | a) Re-bleeding   | YES  | N  |  |
| B. PATIENT STAT  |   |   |   | 1                                     | b) Deep vein thrombosis  | YES  | N  |  |
| 3.1 Death in hosp  | ital (if yes compi  | lete below – if ne  | o complete  | 3.2)                                  |  | YES  | N  |  |
| a) Date of death   |   | dd  | mm  | 29929                                 | c) Pulmonary embolism<br>d) Stroke   | YES  | NO                                       |  |
| b) Time of death (24   | 1-hr clock)   | hours   | minutes   |                                       | <ul> <li>a) Stroke</li> <li>e) Myocardial infarction</li> </ul>  | YES  | N  |  |
|  | Haemorrhag  | ge □I   | Valignanc   | y                                     |  |  |  |  |
| c) Main cause<br>of death (tick one  | Myocardial  | infarction 🗆  | neumoni   | a                                     | f) Other significant cardiac event   | YES  | N  |  |
| option only)   | □ Stroke  |   | Pulmonary   | embolism                              | g) Sepsis  | YES  | N  |  |
|  | Other (descr  | ribe, 1 diagnosi  | s only)   |                                       | h) Pneumonia   | YES  | N  |  |
|  |   |   |   |                                       | i) Respiratory failure   | YES  | N  |  |
| 3.2 Patient alive (  | if yes complete <b>o</b> l  | ne section below  | – if no cor   | mplete 3.1)                           | j) Liver failure   | YES  | N  |  |
| ) Discharged from h  | ospital? (Date)   | dd  |   | yyyy                                  | k) Renal failure   | YES  | N  |  |
| ) Still in hospital at (   | day 282 (Date)  | 00  | IIIII   | 7777                                  | I) Seizures  | YES  | N  |  |
| , star ar rospitar at t  | ady 20. (Dute)  | dd  | mm  | 7399                                  | Any complications not listed above – plea<br>protocol using an Adverse Event Reportin  | ise report as<br>1g form.                            | per                                      |  |
| A. PROCEDURES  |   |   |   |                                       | 11. PATIENT'S SELF CARE CAPACITY   |  |  |  |
| <ul> <li>a) Diagnostic endoscopic procedure</li> </ul>   |   | YES   | NO  | (circle one option on each line)      | INDEP  | ENDENT   |  |  |
| b) Therapeutic endo  | scopic procedu  | re  | YES   | NO                                    | <ul> <li>a) Bathing (sponge bath, tub bath, or shower)</li> <li>– Receives either no assistance or assistance in</li> </ul>  | YES  | N  |  |
| <li>c) Diagnostic radiolo</li>   |   |   | YES   | NO                                    | bathing only one part of body  | TES  |  |  |
| <ul> <li>d) Therapeutic radio</li> </ul>   | ological procedu  | re  | YES   | NO                                    | b) Dressing - Gets clothed and dressed without   |  |  |  |
|  |   |   |   |                                       |  | YES  | N  |  |
| e) Surgical intervent  | ion:  |   | YES   | NO                                    | assistance except for tying shoes  | YES  | N  |  |
| e) Surgical intervent  |   | (tick one option  |   | NO                                    | assistance except for tying shoes<br>c) Toileting – Goes to toilet room, uses toilet,<br>arranges clothes, and returns without assistance  | TES  |  |  |
|  | SE OF BLEED   |   |   |                                       | assistance except for tying shoes<br>c) Toileting – Goes to toilet room, uses toilet,<br>arranges clothes, and returns without assistand<br>(may use cane or walker for support and  | TES  |  |  |
| 5. PRIMARY CAU<br>UPPER GI   | SE OF BLEED<br>BLEED  |   | only)<br>ER GI BLEE   |                                       | assistance except for tying shoes<br>c) Toileting – Goes to tailet room, uses toilet,<br>arranges clothes, and returns without assistant<br>(may use cane or walker for support and<br>bedpan/urinal at night)<br>d) Transferring – Moves in and out of bed and  | YES  | N  |  |
| 5. PRIMARY CAU<br>UPPER GI   | SE OF BLEED<br>BLEED  | Low   | only)<br>ER GI BLEE   |                                       | assistance except for tying shoes<br>c) Toileting – Goes to toilet room, use stoilet,<br>arranges clothes, and returns without assistan<br>(may use cane or walker for support and<br>bedpan/urinal at might)<br>d) Transferring – Noves in and out of bed and<br>chair without assistance (may use cane or walk   | YES  | N  |  |
| 5. PRIMARY CAU<br>UPPER GI   | SE OF BLEED<br>BLEED  | Low Diverticula Colitis Vascular le                                 | only)<br>ER GI BLEE<br>r disease<br>sion  |                                       | assistance except for tying shoes<br>c) Toileting – Goes to toilet room, uses toilet,<br>arranges clothes, and returns without assistan<br>(may use cane or walker for support and<br>bedpan/unial at night)<br>d) Transferring – Moves in and out of bed and<br>chair without assistance (may use cane or walk<br>e) Continence – Controls bowel and bladder  | ce YES   | N  |  |
| 5. PRIMARY CAU<br>UPPER GI   | SE OF BLEED<br>BLEED  | Low Diverticula Colitis Vascular le Malignancy                      | only)<br>ER GI BLEE<br>r disease<br>sion  |                                       | assistance except for tying shoes<br>c) Toileting – Goes to toilet room, uses toilet,<br>arranges clothes, and returns without assistan<br>(may use cane or walker for support and<br>bedpan/urinal at night)<br>d) Transferring – Moves in and out of bed and<br>chair without assistance (may use cane or walk<br>e) Continence – Controls bowel and bladder<br>completely by self (without accessional 'acciden<br>f) Feeding – Feeds self without assistance (exce   | ce YES<br>(er) YES<br>(ts') YES                      |  |  |
| PRIMARY CAU     UPPER GI     Erosion or peptic     Varices     Vascular lesion     Malignancy  | SE OF BLEED<br>BLEED  | Low Diverticula Colitis Vascular le Malignancy Infection            | only)<br>ER GI BLEE<br>r disease<br>sion  |                                       | assistance except for tying shoes<br>c) Toileting – Goes to toilet room, uses toilet,<br>arranges clothes, and returns without assistan<br>(may use cane or walker for support and<br>bedpan/unial at night)<br>d) Transferring – Moves in and out of bed and<br>chair without assistance (may use cane or walk<br>e) Continence – Controls bowel and bladder<br>completely by self (without accasional 'acciden<br>of Feeding – Feeds self without assistance (exce<br>for help with cutting meat or buttering bread)   | ce YES<br>(ce) YES<br>(ter) YES<br>(tsr) YES         | NO                                       |  |
| 5. PRIMARY CAU<br>UPPER GI<br>Erosion or peptic<br>Varices<br>Vascular lesion  | SE OF BLEED<br>BLEED  | Low Diverticula Colitis Vascular le Malignancy                      | only)<br>ER GI BLEE<br>r disease<br>sion  |                                       | assistance except for tying shoes<br>c) Toileting – Goes to toilet room, uses toilet,<br>arranges clothes, and returns without assistan<br>(may use cane or walker for support and<br>bedpan/unial at night)<br>d) Transferring – Moves in and out of bed and<br>chair without assistance (may use cane ar walk<br>e) Continence – Controls bowel and bladder<br>completely by self (without accasional 'acciden<br>f) Feding – Feeds self without assistance (exc<br>for help with cutting meat ar buttering bread)<br>UK ONLY – PATIENT IDENTIFIERS  | ce YES<br>(ce) YES<br>(ter) YES<br>(tsr) YES         | NO                                       |  |
| PRIMARY CAU     UPPER GI     Erosion or peptic     Varices     Vascular lesion     Malignancy  | SE OF BLEED<br>BLEED  | Low Diverticula Colitis Vascular le Malignancy Infection Other/unkt | only)<br>ER GI BLEE<br>r disease<br>sion<br>r   | D                                     | assistance except for tying shoes<br>c) Toileting – Goes to toilet room, uses toilet,<br>arranges clothes, and returns without assistan<br>(may use cane or walker for support and<br>bedpan/unial at night)<br>d) Transferring – Moves in and out of bed and<br>chair without assistance (may use cane or walk<br>e) Continence – Controls bowel and bladder<br>completely by self (without accasional 'acciden<br>of Feeding – Feeds self without assistance (exce<br>for help with cutting meat or buttering bread)   | ce YES<br>(ce) YES<br>(ter) YES<br>(tsr) YES         | N  |  |
| S. PRIMARY CAU<br>UPPER GII     Constant Sector | SE OF BLEED<br>BLEED<br>: ulcer   | Low Diverticula Colitis Vascular le Malignancy Infection Other/unkt | only)<br>ER GI BLEE<br>r disease<br>sion<br>r   | D                                     | assistance except for tying shoes<br>c) Toileting – Goes to toilet room, uses toilet,<br>arranges clothes, and returns without assistan<br>(may use cane or walker for support and<br>bedpan/unial at night)<br>d) Transferring – Moves in and out of bed and<br>chair without assistance (may use cane ar walk<br>e) Continence – Controls bowel and bladder<br>completely by self (without occasional 'acciden<br>f) Feding – Feeds self without assistance (exc<br>for help with cutting meat ar buttering bread)<br>UK ONLY – PATIENT IDENTIFIERS  | ce YES<br>(ce) YES<br>(ter) YES<br>(tsr) YES         | N  |  |
|  | SE OF BLEED<br>BLEED<br>: ulcer<br>IENT (only circle  | Low Diverticula Colitis Vascular le Malignancy Infection Other/unkt | only)<br>ER GI BLEE<br>r disease<br>sion<br>r<br>nown<br>e dose giv   | en)                                   | assistance except for tying shoes c) Toileting – Goes to toilet room, uses toilet,<br>arranges clothes, and returns without assistan<br>(may use cane or walker for support and<br>bedgan/unial at night) d) Transferring – Moves in and out of bed and<br>chair without assistance (may use cane or walk<br>e) Continence – Controls bowel and bladder<br>completely by self (without assistancal cacience<br>for help with cutting meat or buttering bread)<br>UK ONLY – PATIENT IDENTIFIERS a) Name   | ce YES<br>(ce) YES<br>(ter) YES<br>(tsr) YES         | N I N I                                  |  |
|  | SE OF BLEED<br>BLEED<br>: ulcer<br>IENT (only circle<br>en<br>ee given  | Low Diverticula Colitis Vascular le Malignancy Infection Other/unki | only)<br>ER GI BLEE<br>r disease<br>sion<br>rown<br>ee dose giv<br>YES<br>YES   | en)                                   | assistance except for tying shoes         () Toileting - Goes to toilet room, uses toilet, arranges clothes, and returns without assistant (may use cane or walker for support and bedgan, urindi at night)         d) Transferring - Noves in and out of bed and chair without assistance (may use cane or walker)         e) Continence - Controls bowel and bladder completely by self (without accasional 'acciden')         e) Continence - Controls bowel and bladder (f) Feeding - Feed self without accasistance lexces for help with cutting meat or buttering bread)         UK ONLY - PATIENT IDENTIFIERS         a) Name       fert name         b) Date of birth       at   | ce YES<br>(ce) YES<br>(ter) YES<br>(tsr) YES         | N I N I                                  |  |
| S. PRIMARY CAU UPPER GI Frosion or peptic Strossion or peptic Vascular lesion Malignancy Other/unknown TRIAL TREATM a) Loading dose give b) Maintenance dos V. OTHER TREATI  | SE OF BLEED<br>BLEED<br>: ulcer<br>IENT (only circle<br>an<br>ie given<br>MENTS (circle of  | Low Diverticula Colitis Vascular le Malignancy Infection Other/unki | only)<br>ER GI BLEE<br>r disease<br>sion<br>rown<br>ee dose giv<br>YES<br>YES   | en)                                   | assistance except for tying shees         () Toileting - Goes to toilet room, uses toilet,<br>arranges clothes, and returns without assistant<br>(may use cane or walker for support and<br>bedpan/urindi at night)         d) Transferring - Noves in and out of bed and<br>chair without assistance (may use cane or walk<br>e) Continence - Controls bowle and bladder<br>completely by self (without accasional facciden<br>f) Feeding - Feeds self without assistance (exc<br>for help with cutting meat or buttering bread)         UK ONLY - PATIENT IDENTIFIERS         a) Name       for name         b) Date of birth       and         add       mate         b) Date of birth       and         add       mate   | res<br>ver) ves<br>ver) ves<br>ver) ves<br>ver) ves  | NI N |  |
|  | SE OF BLEED<br>BLEED<br>: ulcer<br>IENT (only circle<br>en<br>e given<br>MENTS (circle of<br>rri eradication  | Low Diverticula Colitis Vascular le Malignancy Infection Other/unki | only)<br>ER GI BLEE<br>r disease<br>sion<br>rown<br>e dose giv<br>YES<br>YES<br>ach line)   | en)<br>NO<br>NO                       | assistance except for tying shoes         c) Toileting - Goes to citiler room, uses toilet, arranges clothes, and returns without assistanc (may use cane or walker for support and bedgan/urinal at night)         d) Transferring - Moves in and out of bed and chair without assistance (may use cane or walker for support and bladder completely by self (without accessional facciden f) Feeding - Feeds self without accessional facciden for help with cutting meat or buttering bread)         UK ONLY - PATIENT IDENTIFIERS         a) Name       fort nome         b) Date of birth       dut         c) Post code       d) NHS number         12. PERSON COMPLETING FORM (P! Is net  | res<br>ver) ves<br>ver) ves<br>ver) ves<br>ver) ves  | NI N |  |
|  | SE OF BLEED<br>BLEED<br>: ulcer<br>: ul | Low Diverticula Colitis Vascular le Malignancy Infection Other/unki | r disease<br>sion<br>r disease<br>r disease<br>sion<br>r disease<br>r dise    | en)<br>NO<br>NO                       | assistance except for tying shees         () Toileting - Goes to toilet room, uses toilet,<br>arranges clothes, and returns without assistant<br>(may use cane or walker for support and<br>bedpan/urindi at night)         d) Transferring - Noves in and out of bed and<br>chair without assistance (may use cane or walk<br>e) Continence - Controls bowle and bladder<br>completely by self (without accasional facciden<br>f) Feeding - Feeds self without assistance (exc<br>for help with cutting meat or buttering bread)         UK ONLY - PATIENT IDENTIFIERS         a) Name       for name         b) Date of birth       and         add       mate         b) Date of birth       and         add       mate   | res<br>ver ves<br>ver ves<br>ves ves<br>ves ves      | N N N N N N N N N N N N N N N N N N N    |  |
|  | SE OF BLEED<br>BLEED<br>: ulcer<br>: ulcer<br>DENT (only circle<br>en<br>se given<br>MENTS (circle of<br>ments<br>gonists<br>ibitors  | Low Diverticula Colitis Vascular le Malignancy Infection Other/unki | r disease<br>sion<br>r disease<br>r disease<br>sion<br>r disease<br>r di<br>disease<br>r disease<br>r disease<br>r disease<br>r disease<br>r d | en)<br>NO<br>NO<br>NO                 | assistance except for tying shoes         c) Toileting – Goes to toilet room, uses toilet, arranges clothes, and returns without assistant (may use cane or walker for support and bedpan/unitial at night)         d) Transferring – Moves in and out of bed and chair without assistance (may use cane or walker for support and bladder completely by self (without accasiance (excet for help with cutting meat or buttering bread)         e) Continence – Controls bowel and bladder completely by self (without accasiance (excet for help with cutting meat or buttering bread)         UK ONLY – PATIENT IDENTIFIERS         a) Name       for anowe         b) Date of birth       difference         c) Post code       MIS number         12. PERSON COMPLETING FORM (PI is real or buttering or protocol) | res<br>res<br>res<br>res<br>res<br>res<br>res<br>res | N N N N N N N N N N N N N N N N N N N    |  |
|  | SE OF BLEED<br>BLEED<br>: ulcer<br>: ulcer<br>MENTS (circle of<br>me given<br>gonists<br>ibitors<br>alogue  | Low Diverticula Colitis Vascular le Malignancy Infection Other/unki | e GIBLEE<br>r disease<br>sion<br>r disease<br>r disease   | en)<br>NO<br>NO<br>NO<br>NO<br>NO     | assistance except for tying shoes         c) Toileting - Goes to cilder room, uses toilet, arranges clothes, and returns without assistance (may use cane or walker for support and bedgan, uninal at night)         d) Transferring - Moves in and out of bed and chair without assistance (may use cane or walker for support and bladder completely by self (without accasional 'acciden for help with cutting meat or buttering bread)         UK ONLY - PATIENT IDENTIFIERS         a) Name       first nowe         b) Date of birth       arrowe         c) Post code       d) NHS number         12. PERSON COMPLETING FORM (Pt is ref         a) Name       first nowe  | res<br>res<br>res<br>res<br>res<br>res<br>res<br>res | NI N |  |
|  | SE OF BLEED<br>BLEED<br>: ulcer<br>: ulcer<br>MENTS (circle of<br>me given<br>gonists<br>ibitors<br>alogue  | Low Diverticula Colitis Vascular le Malignancy Infection Other/unki | r disease<br>sion<br>r disease<br>r disease<br>sion<br>r disease<br>r di<br>disease<br>r disease<br>r disease<br>r disease<br>r disease<br>r d | en)<br>NO<br>NO<br>NO<br>NO           | assistance except for tying shoes         c) Toileting - Goes to toilet room, uses toilet, arranges clothes, and returns without assistance (may use cane or walker for support and bedgan, uninal at night)         d) Transferring - Moves in and out of bed and chair without assistance (may use cane or walk completely by self (without accasional 'acciden')         e) Continence - Controls bowel and bladder completely by self (without accasional 'acciden')         for help with cutting meat or buttering bread)         UK ONLY - PATIENT IDENTIFIERS         a) Name       for any or the set of birth dt' mean         b) Date of birth       dt' may         c) Post code       dt         d) NHS number       12. PERSON COMPLETING FORM (Pt is respondent)         b) Position       for near     | res<br>res<br>res<br>res<br>res<br>res<br>res<br>res | NI N |  |

No extra tests required – a short single page Outcome form completed 4 weeks (28 days) after randomisation, at discharge, or at death (whichever occurs first)

Outcome to be collected even if the trial treatment is interrupted or is not actually given

Form to be sent to the TCC as soon as possible

# **Rationale for eligibility**

- Adult with significant upper or lower GI bleeding
- Uncertainty principle: the responsible clinician is substantially uncertain as to whether or not to use TXA

If the clinician believes there is a clear indication for, or clear contraindication to, tranexamic acid use, the patient should not be randomised.



# JOIN THE GLOBAL COLLABORATION OR REGISTER FOR THE TRIAL RESULTS

## haltit.Lshtm.ac.uk

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