



# Blood and Transplant

National Comparative Audit of  
Blood Transfusion

## AUDIT of REVERSAL of WARFARIN ASSOCIATED BLEEDING in TRAUMA PATIENTS

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ID. Hospital Login (4 digit number)  
name

This audit template should only be completed for patients presenting with trauma related bleeding who at presentation were taking a vitamin K antagonist as anticoagulation (e.g. Warfarin / Acenocoumarol)

Note: some questions will appear depending on answers to previous questions

Q1 Name of Hospital

Q2 Please indicate if you are a.....

- Major Trauma Centre
- Trauma Unit
- District General Hospital **with** Accident and Emergency department
- District General Hospital **without** Accident and Emergency department
- Other facilities for dealing with trauma patients not indicated above

Please state name of facility

Q3 For THIS patient which vitamin K antagonist was the patient taking?

- Warfarin
- Acenocoumarol
- Phenindione

Q4 What is the indication for the drug (select the most important first if multiple indications)?

	VTE prophylaxis	VTE treatment	Stroke prevention	Metallic heart valve
VTE prophylaxis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VTE treatment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stroke prevention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Metallic Heart Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q5 What was the gender of the patient at birth?

- Female
- Male

Q6 What is the age of the patient in years?

- < 18
- 18 - 30
- 31 - 50
- 51 - 70
- 71 - 90
- > 91

Q7 Was the patient also on an antiplatelet agent?

- Yes
- No

Q8 If yes was this a dual antiplatelet agent?

- Yes
- No

Q9 Did this patient present with (tick all that apply)...

- Head injury
- Life threatening bleeding from other injuries
- Haemoglobin drop >20g/L

Q10 Did this patient have comorbidities that may have delayd the diagnosis of bleeding?

- Yes
- No
- Maybe/not sure

Q11 What was the Glasgow coma scale (GCS)?

- 3 - 8
- 9 - 12
- 13 - 15
- Not recorded

Q12 Estimated time of injury?

- 09:00 - 17:00 Monday to Friday
- 17:00 - 09:00 Monday to Friday
- Weekend (including BH)

Q13 Please indicate the time of arrival in the Emergency Department

- Within 1 hour of injury
- Within 4 hours of injury
- Within 6 hours of injury
- Other

Indicate elapsed time in hours

Q14 Was a blood sample taken for POCT testing (e.g. COAGCHECK, TEG/ROTEM)?

- Yes
- No

Q15 Please indicate the time of arrival in the Emergency Department to initial blood tests being taken (i.e. FBC/Clotting/INR)?

- < 15 minutes
- < 30 minutes
- < 1 hour
- < 2 hours
- < 3 hours
- < 4 hours
- > 4 hours

Q16 Please indicate the time taken for FBC results to be authorised?

- < 15 minutes
- < 30 minutes
- < 1 hour
- < 2 hours
- < 3 hours
- < 4 hours
- > 4 hours

Q17 Please indicate the time taken for clotting results to be authorised?

- < 15 minutes
- < 30 minutes
- < 1 hour
- < 2 hours
- < 3 hours
- < 4 hours
- > 4 hours

Q18 Please indicate the time taken from arrival in the Emergency Department to a CT scan?

- < 15 minutes
- < 30 minutes
- < 1 hour
- < 2 hours
- < 3 hours
- < 4 hours
- > 4 hours
- Not applicable (didn't have a scan)

Q19 Please indicate the time taken from arrival in the Emergency Department to a first dose of Tranexamic Acid (TXA)?

- < 3 hours
- > 3 hours
- Contraindicated
- Not indicated
- Unable to find information

Q20 Was a second dose of TXA given?

- Yes
- No
- Contraindicated
- Not given
- Unable to find information

Q21 Was PCC given?

- Yes
- No
- Contraindicated
- Not given
- Unable to find information

Q22 Please indicate the time taken from arrival in the ED to PCC administration?

- < 1 hour
- 1 - 2 hours
- 2 - 3 hours
- > 3 hours
- Indicated but omitted

- Q23 Please indicate the time taken from arrival in the ED to Vit K administration?
- < 1 hour
  - 1 - 2 hours
  - 2 - 3 hours
  - > 3 hours
  - Indicated but omitted

- Q24 Was treatment commenced before results were available?
- Yes - Vit K
  - Yes - PCC
  - No - Vit K
  - No - PCC

- Q25 Was the patient transfused with RBCs?
- Yes
  - No

State how many units transfused

- Q26 Was the patient transfused with platelets?
- Yes
  - No

State how many units transfused

- Q27 Was the patient transfused with FFP?
- Yes
  - No

State how many units transfused

- Q28 Was the patient transfused with Cryoprecipitate?
- Yes
  - No

State how many units transfused

Q29 Please insert your email address (only for the purposes of contacting you in the event of any queries regarding this patient)

**Thank you for completing details for this case. You will be directed to a new form for the next patient once you save or submit the current one**

**For any queries, please contact in the first instance:  
Sue Katić (Tuesday/Wednesday) - [sue.katic@nhsbt.nhs.uk](mailto:sue.katic@nhsbt.nhs.uk)**

**Grace Brennan (Monday/Thursday/Friday) - [grace.brennan@nhsbt.nhs.uk](mailto:grace.brennan@nhsbt.nhs.uk)**