

Background

- ABUHB Policy states standard transfusions should be administered over 90 – 120 minutes following a pre transfusion assessment.
- Common practice is to administer transfusion over 120 – 180 minutes throughout ABUHB.
- This audit was undertaken to;
 - Trial 90 minutes as the new standard practice to *eligible* patients
 - Determine time saved through transfusion duration reduction
 - Monitor any adverse reaction to the decreased duration
 - Implement TACO checklist into our existing patient proforma to increase compliance with pre-transfusion assessment

Blood Component Clinical Management Plan

Date: _____
 Consultant: _____
 Diagnosis: _____
 Allergies: _____

Blood Requirements
 Type: Blood Platlets
 Frequency: _____
 Special Requirements: _____
 Transfuse when Hb

Notes:

IVIG Requirements
 Brand: _____
 Frequency: _____
 Weight: _____ kg
 Dose: _____ Rate: _____ ml/hr

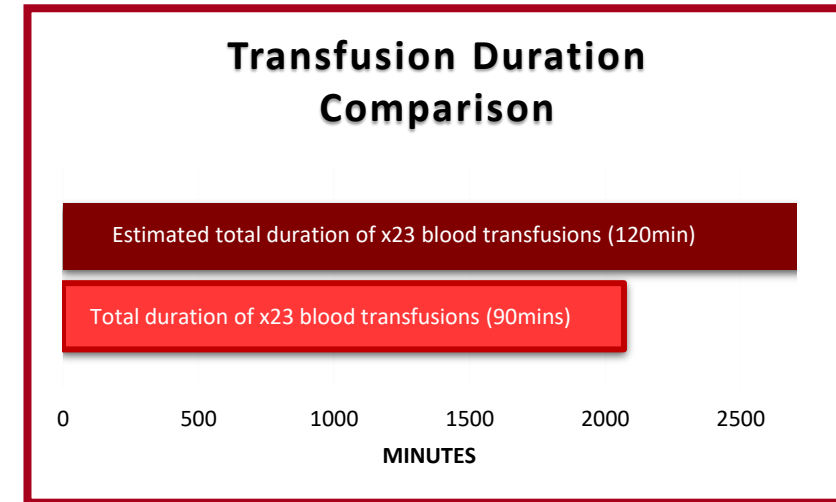
Form completed by: _____ **CMP Review Date:** _____
 Nurse Name: _____ Consultant Name: _____
 Date: _____ Date: _____
 Signature: _____ Signature: _____

Modified TACO Checklist:

	YES	NO
Heart Failure		
On Diuretics		
Renal Impairment		
Supporting Drugs (Specify with Doses)		
Any Other Relevant PMH:		

Results

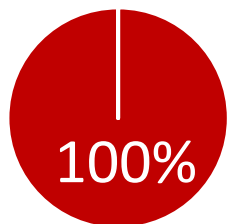
- The results of this audit showed a 100% compliance with pre assessment and appropriate prescription of the blood products.
- Data collection showed that there were no adverse effects on patients and no reported complications.
- Total transfusion time was 6870 minutes. Previous practice would have been 7560 minutes minimum, therefore *at least* 690 minutes (11.5 hours) were saved
- This is equivalent to the transfusion time of 7-8 units of blood, a significant benefit to the day unit chair capacity.



Conclusion & Next steps

- Following guidelines, and prescribing minimum duration per unit and utilising standards like the TACO check list, departments can increase their occupancy, efficiency of workload and patient satisfaction.
- Next steps are to link in with haematology practitioners across our health board and other Health Boards across Wales to unify practice.
- We will re-audit compliance with the implemented document and use this audit to educate practitioners who prescribe and administer blood transfusions to review their part in this process.
- As part of this re-audit, we will also conduct a questionnaire to review patient satisfaction and their view on shorter transfusions.

Number of transfusions given without adverse event



Method

- All transfusions within 8 week period regardless of their Haematology disease from the Haematology Day unit were included in this audit.
- There were 63 blood transfusions given over this period
- 23 of which were transfusions given over 90 minutes due to pre assessment eligibility.
- The adapted proforma was utilised to encourage compliance of pre transfusion assessment in the day unit setting.
- Pre assessment included TACO checklist, but also Haematology specific factors such as hyper viscosity or raised paraprotein. (This audit was prior to the incorporation of TACO checklist into the All Wales Transfusion Record)

