

Summary of SHOT educational materials

All resources can be found from the central SHOT website www.shotuk.org

SHOT App: The SHOT App is free and can be downloaded on iPhone and Android phones- this allows easy access to all resources on the SHOT website. It can be downloaded by scanning one of these barcodes or searching for 'SHOT UK' in the Apple App Store or Google Play Store.



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SHOT resources

https://www.shotuk.org/resources/current-resources/

- Safe Transfusion Checklist: • (https://www.shotuk.org/wp-content/uploads/myimages/Safe-Transfusion-Practice-Transfusion-Checklist-July-2020.pdf)
- Transfusion Associated Circulatory Overload (TACO) checklist: (https://www.shotuk.org/wp-content/uploads/myimages/TACO-checklist.pdf)
- Anti-D aide memoire . https://www.shotuk.org/wp-content/uploads/myimages/Anti-D-Aide-Memoire-July-2020.pdf
- **Email signature illustrations** • https://www.shotuk.org/resources/current-resources/email-signature-shot-lessons/
- SHOT videos (webinar recordings and short educational videos) • https://www.shotuk.org/resources/current-resources/videos/

SHOT Bites (short 2-page guides on a range of transfusion topics)

https://www.shotuk.org/resources/current-resources/shot-bites/

Incident investigations • https://www.shotuk.org/wp-content/uploads/myimages/SHOT-Bite-1a-Investigatingincidents.pdf https://www.shotuk.org/wp-content/uploads/myimages/SHOT-Bite-1b-Investigatingincidents.pdf



- Massive Haemorrhage <u>https://www.shotuk.org/wp-content/uploads/myimages/SHOT-Bites-No8-Massive-Haemorrhage-Delays-1.pdf</u>
- Component compatibility <u>https://www.shotuk.org/wp-content/uploads/myimages/SHOT-Bites-No-9-Component-Compatibility-July-2020.pdf</u>
- Why 2 samples? <u>https://www.shotuk.org/wp-content/uploads/myimages/SHOT-Bite-No-10-Why-2-Samples-July-2018.pdf</u>
- Introduction to cognitive Bias <u>https://www.shotuk.org/wp-content/uploads/myimages/SHOT-Bite-12-Cognitive-Bias-1.pdf</u>

SHOT casts

These are short discussions with experts on haemovigilance topics: https://www.shotuk.org/resources/current-resources/shot-casts/

SHOT Human Factors Investigation Tool

https://www.shotuk.org/reporting/human-factors-tuition-package/

SHOT illustrations from reports

All reports can be found at: <u>https://www.shotuk.org/shot-reports/</u>

• A-E decision guide (high resolution pdf on page 19 in below document)

https://www.shotuk.org/wp-content/uploads/myimages/Figures-From-Annual-SHOT-Report-2019v1.2.pdf



Figure 4.2: The A-E decision tree to facilitate decision making in transfusion



Assess patient Any avoidable blood loss (frequent, unnecessary tests/interventions)

Blood results (all) reviewed including trends – valid and reliable? Best treatment option—is transfusion the best treatment option? If yes, what components needed, how many, what order and any specific requirements needed?

Consent/Communication (adequate patient information—both verbal and written) to patients and where appropriate to families and carers Correctable factors to be addressed like bleeding, haematinic deficiency

Do not forget other measures (vitamin K, tranexamic acid, cell salvage, etc) Do not hesitate to question colleagues regarding decisions made and ask for rationale Do not forget to document in patient's notes and in discharge summaries

Ensure timely communications to laboratory- need to be clear, concise and accurate Ensure all relevant transfusion checklists including TACO risk assessment and actions arising thereafter have been completed Evidence based decisions made weighing risks, benefits and options available

Ensure patient receives adequate post transfusion information if transfusion given as a day case

 UPTAKE Competency assessment (high resolution pdf on page 54 in below document) <u>https://www.shotuk.org/wp-content/uploads/myimages/Figures-From-Annual-SHOT-Report-2019-v1.2.pdf</u>



Figure 14.4: UPTAKE areas to be covered in a robust competency assessment



-SHOT resources in development

• Informed consent checklist (not yet published on SHOT website)

Transfusion Informed Consent Checklist				
1	Discussed the reason for the transfusion	Yes 🗖	No 🗆	
2	Discussed the benefits of the transfusion	Yes 🗖	No 🗆	
3	Discussed the risks of transfusion – both short and long-term risks	Yes 🗖	No 🗆	
	(and including any additional risks pertinent to long term multi-			
	transfused patients)			
4	Discussed the risks and benefits of NOT accepting blood	Yes 🗖	No 🗆	
	transfusion			
5	Discussed transfusion issues specific to the patient	Yes 🗖	No 🗆	
6	Discussed alternatives options available, and how they might	Yes 🗖	No 🗆	
	reduce their need for a transfusion			
7	Discussed the possible consequences of refusing a blood	Yes 🗖	No 🗆	
	transfusion			
8	Explained the transfusion process	Yes 🗖	No 🗆	
9	Discussed regarding need for any specific requirements for blood	Yes 🗖	No 🗆	
	components and rationale, including need for anti-D Ig as			
	appropriate			
10	Informed patient that once transfused, they are no longer eligible	Yes 🗖	No 🗆	
	to donate blood			



11	Patients and carers/family were given the opportunity and	Yes 🗖	No 🗆
	encouraged to ask questions		
12	Patient is aware that if he/she/they change their mind at any point	Yes 🗖	No 🗆
	before the transfusion, they are entitled to withdraw their consent,		
	and this should be documented and managed appropriately		
13	Specify whether consent was obtained privately or with family	Yes 🗖	No 🗆
	members/others present		
14	Patient and family/carer have been provided with relevant	Yes 🗖	No 🗆
	information about blood transfusions that would help in their		
	decision-making process		
15	Synopsis of discussions and decisions taken documented in	Yes 🗖	No 🗆
	patient's clinical notes		