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.

Download on the App Store
https://apps.apple.com/gb/app/shot-uk/id1534545119

GET IT ON Google Play
https://play.google.com/store/apps/details?id=cc.conferences.shot

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-Investigating-incidents.pdf
  https://www.shotuk.org/wp-content/uploads/myimages/SHOT-Bite-1b-Investigating-incidents.pdf

- Massive Haemorrhage
  https://www.shotuk.org/wp-content/uploads/myimages/SHOT-Bites-No8-Massive-Haemorrhage-Delays-1.pdf

- Component compatibility
  https://www.shotuk.org/wp-content/uploads/myimages/SHOT-Bites-No-9-Component-Compatibility-July-2020.pdf

- Why 2 samples?
  https://www.shotuk.org/wp-content/uploads/myimages/SHOT-Bite-No-10-Why-2-Samples-July-2018.pdf

- Introduction to cognitive Bias
  https://www.shotuk.org/wp-content/uploads/myimages/SHOT-Bite-12-Cognitive-Bias-1.pdf

SHOT casts

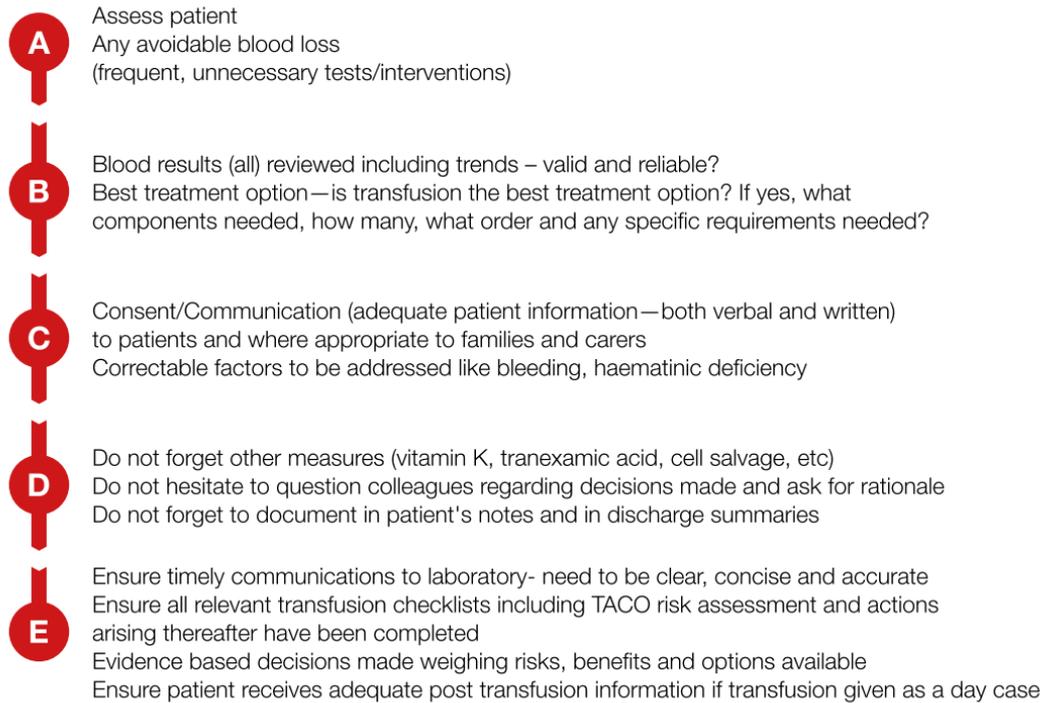These are short discussions with experts on haemovigilance topics:
https://www.shotuk.org/resources/current-resources/shot-casts/

SHOT Human Factors Investigation Tool

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

SHOT illustrations from reports

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

- A-E decision guide (high resolution pdf on page 19 in below document)
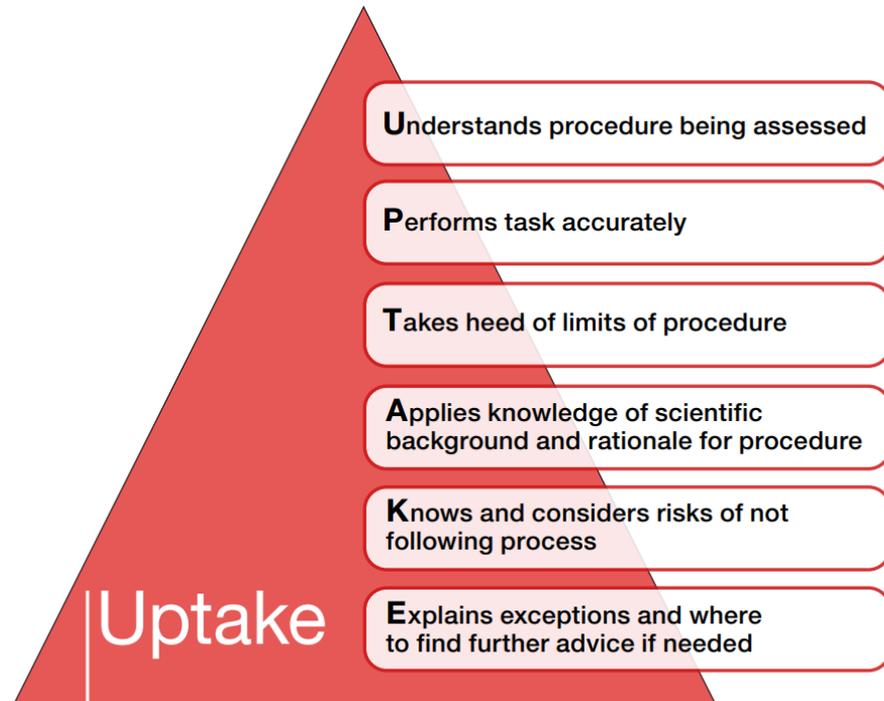
https://www.shotuk.org/wp-content/uploads/myimages/Figures-From-Annual-SHOT-Report-2019-v1.2.pdf

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

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

B — 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?

C — 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

D — 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

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

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

Uptake

- **U**nderstands procedure being assessed
- **P**erforms task accurately
- **T**akes heed of limits of procedure
- **A**pplies knowledge of scientific background and rationale for procedure
- **K**nows and considers risks of not following process
- **E**xplains exceptions and where to find further advice if needed

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

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