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Platelet management

- To address improved implementation for platelet transfusion imperatives as identified by SHOT, NCA's and LoPAG
- Reduce wastage
- Reduce inappropriate use of platelets
- Reduce night time transfusions

What is a Platelet co-ordinator?

- Reengineer processes and integrate
 - Laboratory data
 - Clinical decisions
 - Ordering of appropriate products
 - Stock management of platelets by blood bank
 - Post-transfusion monitoring
- Proactively streamline the process

2010 Platelet Audit

National Comparative Audit Data indicated -

- 3296 transfusions over 172 sites (38 at RFH)
- 59% platelet transfusions for Haematology patients



28% of platelet transfusions were deemed to be inappropriate when considered alongside current guidelines

Key recommendations –

- Local guidelines based on BCSH Guidelines (2003)
- Double dose platelet transfusions should not be used routinely
- Reason for transfusion should be clearly documented
- A recent platelet count performed prior to transfusion
- Assessment of response to platelet transfusion (particularly pre-procedure)

2013 Platelet Audit RFH

- **Significant lack of compliance with BCSH Guidelines and current policies**
 - 27% of prophylactic platelet transfusions potentially avoidable
 - 42% of pre-procedure platelet transfusions potentially avoidable
 - Poor documentation
 - Transfusion above guidelines
 - Double dose transfusions
- **Considerable scope for improvement of practice**

What does a platelet co-ordinator do?

- Update and add local Guidelines where appropriate
 - Personalise guidelines for different clinical needs
- Process engineering
 - How to improve documentation
 - Pre/post transfusion platelet counts
 - Why are we using double dose transfusion?
 - How can we improve use of HLA matched platelets
- Consider POCT to help rationalise platelet use
 - Timing of platelet transfusion and counts
 - Platelet function tests
 - Intra-procedure monitoring
 - Improved pre-operative assessment to include a thorough assessment of co-morbidities

*Le platelet police
C'est arrive!*