

REGIONAL SOUTH WEST PBM GROUP

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Intraoperative Cell salvage

- ▣ PBM group have agreed collection data headings

- ▣ November 2016 first collected data from
 - Royal Devon and Exeter
 - North Bristol Trust
 - Derriford Hospital
 - Royal Cornwall Hospital

ICS Outcome Data

- ▣ 568 ICS cases reviewed
- ▣ X1 hospital = 1 month data
- ▣ X2 hospitals = 2 months data
- ▣ X1 hospital = 3 months data

Potential numbers for a year – Approx 4500

Data cont

- ▣ Obs collectively employed ICS -191times (data from three hospitals, one hospital didn't report obs).
- ▣ Orthopaedic showed 212 cases (two hospitals had 93% of the cases)
- ▣ Trauma cases showed 33 cases between the 4 hospitals?
- ▣ The rest of the numbers were split between a range of specialities.

Data Cont

- ▣ Average pre op Hb
- ▣ 112 gL, 120 gL, 124 gL (one hospital had no data)
- ▣ Elective vs Emergency use
- ▣ 73% vs 27%, 68% vs 32% (two hospitals didn't supply data)

Tranexamic Acid

- ▣ Only one hospital supplied data
- ▣ 25/93 cases (26%)
- ▣ Specialities - Ortho, Urology, Spinal, Obs, Vascular, Trauma

Process or not to Process?

- ▣ One hospital didn't supply ICS processing data

- ▣ Processing rates Average Reinfusion volume
 - 56% - 403 mls
 - 51% - 280 mls
 - 51% - 252 mls

ICS Problems

- ▣ Consumable failure
- ▣ User error
- ▣ Collection of non IV fluids - Chlorhexidine
- ▣ Patient reaction to blood – LDF
- ▣ Concerns over quality of blood
- ▣ Machine faults

Snapshot PBM (optimisation) Audit

- ▣ 7 hospitals took part in the snapshot audit – this was undertaken before the start of the SWPBM meeting.
- ▣ Hospitals -

RCHT - Royal Cornwall Hospital

Exeter - Royal Devon and Exeter

St Michaels Obstetrics - Bristol

UHBT / StMichaels Bristol Gynae

RUH - Bath

Southmead - Bristol

Torbay and South Devon

Questions

- ▣ *Do you have a surgical pre optimisation programme?*
- ▣ 6 hospitals have a programme, 1 does not
- ▣ *Do you have an anaemia / IDA algorithm?*
- ▣ 5 hospitals have an algorithm, 1 has a algorithm for hips, knees and GI, 1 does not

- ▣ *Do the referrals come from pre op clinic?*
- ▣ 2 hospitals could confirm yes, 1 no, the rest were a mixed answer.

- ▣ *Are bloods taken to confirm anaemia / IDA?*
- ▣ All confirmed the above

- ▣ *What bloods are taken to confirm anaemia / IDA?*
- ▣ FBC, Ferritin, CRP (some also added iron studies and TSAT)

- ▣ *Do you target certain surgical specialities?*
- ▣ 3 hospitals said yes, 2 no

- ▣ *If so what ones?*
- ▣ Orthopaedics, GI in the main, also urology, gynecology and obstetrics

- ▣ *Do you target all pre op patients?*
- ▣ 2 hospitals said yes, 5 no.

- ▣ *What operations do you target?*
- ▣ *All major operations, not day cases.*

- ▣ *Is the anaemia / IDA flagged up?*
- ▣ *All said yes*

▣ *If so to whom?*

PBM Nurse

Anaesthetists - GP

Midwife with special interest

Surgeon via pre op

TP

PBM - POAC Nurses - OP Nurses

Clinical Leads POAC - DSU

- ▣ *What do you treat the anaemia pre operatively with?*

Oral / IV iron - Iron and EPO - Transfusion - Peri op iron

Oral / IV Iron - Transfusion

Oral / IV iron

Oral or IV iron - (No formal service) Transfusion - rarely

Oral / IV iron- IV iron and Epo

Oral / IV Iron - IV Iron and Epo - Transfusion - Peri op iron

Oral / IV iron

- ▣ *If so do you have a dedicated area to treat?*
- ▣ **5 have dedicated area, 2 no.**
- ▣ *If so where?*

Ward
Ward - GI patients IV suite
Day Assessment
Ward
Ambulatory Care - Medical therapies unit
Pre op clinic
Pre op clinic - Ward - IV infusion suite

- ▣ *Do you follow up interventions?*
- ▣ *All said yes apart from one*

- ▣ *If so when?*
- ▣ *2/4 weeks*

- ▣ *What bloods do you request*
- ▣ *FBC, Ferritin, CRP, and reticulocyte count*

▣ *Do you record/Audit intervention outcome?*

Yes
Yes - When you have time!
Yes
No
Yes
Yes
Yes - Record