

## Blood Health National Oversight Group (BHNOG) ICS Workstream

### Wales Intraoperative Cell Salvage (ICS) Standards and Key Performance Indicators

#### Standards

1. Intraoperative Cell Salvage (ICS) should be performed for surgical (non-obstetric) procedures in adults where there is an anticipated blood loss >500mL<sup>1,2</sup>, unless contra-indicated.
2. There should be an ICS clinical lead for every Health Board/hospital carrying out surgical procedures where ICS is being used, or ICS use is indicated<sup>1</sup>.
3. ICS salvaged red cells should have a patient ID label attached to the reinfusion bag at the point of processing (or before)<sup>1</sup>.
4. There should be a comprehensive record detailing specific of ICS use in the patients notes.
5. Every ICS use should be audited<sup>1</sup>, which should include volume of salvaged blood for reinfusion.
6. ICS operators should be trained and competency-assessed<sup>1</sup>.
7. ICS use should be governed by an organisational policy.
8. Adverse events involving ICS should be reported to SHOT (Serious Hazards of Transfusion haemovigilance scheme).

<sup>1</sup> [AoA Guideline: Cell salvage for peri-operative blood conservation \(2018\)](#)

<sup>2</sup> [NICE Guideline: Blood Transfusion \[NG24\] \(2015\)](#)

#### Key Performance Indicators (KPIs)

1. ICS use should be governed by an organisational policy;  
KPI target: 100% compliance;  
Measured by: annual audit
2. There should be an ICS clinical lead for every Health Board/hospital carrying out surgical procedures where ICS is being used, or ICS use is indicated;  
KPI target: 100% compliance;  
Measured by: annual audit
3. Every ICS use should be audited using the All Wales ICS Data Collection Form  
KPI target: 100% compliance;  
Measured by: 6 monthly audit of completion
4. Adults undergoing surgical (non-obstetric) procedures with an anticipated blood loss >500mL should be offered ICS, unless contra-indicated;  
KPI target: 95% compliance;  
Measured by: ICS data collection forms

KPI 4 will be measured by data collection form completion for locally agreed procedures, against the number of cases of that procedure completed by the Health Board/hospital.