

Beaumont

Origination 5/31/2022
Last 5/16/2022
Approved
Effective 5/31/2022
Last Revised 5/16/2022
Next Review 5/15/2024

Document Contact Kelly Sartor
Area Laboratory-Blood Bank
Applicability Dearborn

Review of the Surgery Schedule - Dearborn Blood Bank

Document Type: Procedure

I. PURPOSE AND OBJECTIVE:

This document will be used to describe the Surgical Blood Order Schedule and to define the policies and procedures used by the Blood Bank in collaboration with the Anesthesia Pre-Screening Department (PAS) and surgical services to anticipate and meet the potential Blood Bank needs for patients scheduled for surgery / procedures.

II. CLINICAL SIGNIFICANCE:

- A. The Surgical Blood Order Schedule (SBOS) identifies standard blood orders based on the type of surgical procedure being performed. It is approved and is subject to correction and updating by the Department of Surgery.
- B. PAS uses the SBOS as a guide when determining whether to arrange for the pre-surgical collection of Blood Bank samples from patients. In addition to the SBOS, other factors are considered by PAS when making this determination including the patient's history, directions from the surgeon, antibody history, record of autologous or directed donations, etc.
- C. The Blood Bank notifies PAS and the pre-operative anesthesia areas of patients on the next-day surgery schedule who have a history of unexpected antibodies. The Blood Bank reviews the surgery schedule each day to verify that a Blood Bank sample has been collected on all patients who are currently admitted to the hospital and are having a surgery the next day for which the SBOS indicates that Blood Bank testing is required. The Blood Bank also reviews the surgery schedules each morning for all patients that will be undergoing a lead extraction or an aortic heart procedure (e.g. Aortic valve replacement, aortic root procedure, aortic aneurysm, aortic dissection, etc.)

III. DEFINITIONS/ACRONYMS:

- A. SBOS: Surgical Blood Order Schedule
- B. T & S: Type and Screen
- C. NSNO: No specimen required, no blood ordered
- D. XM: Crossmatch
- E. HIS: Hospital Information System; currently EPIC Onechart
- F. O.R: Operating Room
- G. "Ignore SBOS" or "Override SBOS": Statements that may be used by the ordering physician to notify Blood Bank that expected blood needs are significantly different than amount listed on SBOS.
- H. Current sample: a sample that was collected no more than 3 days before the date of surgery. For example, if a sample is drawn on Monday (day 0), then the sample remains "current" all day Mon., Tues., Wed., and Thur.

IV. PROCEDURE:

- A. Each afternoon the blood bank receives copy of the surgery schedule from the PAS department.
 - 1. The surgery schedule can also be printed for the NEXT DAY using the Blood Bank CDM - Viewing/Printing the Surgery Schedule.
- B. For each patient, review the CASE NOTES (which may indicated patient's scheduled arrival time) & PROCEDURE DESCRIPTION FIELD.
 - 1. Highlight all patients undergoing a surgical procedure listed on the SBOS
 - 2. Access Softbank for each patient by name to determine if there is a record of
 - a. duplicate records/medical record numbers
 - b. current/historical antibodies
 - c. autologous/directed donations
 - 3. Access Softbank or the patient's hospital chart to determine if blood bank sample has been collected within 72hrs or is ordered for collection.
 - 4. If necessary blood bank will call patient caregiver to request orders be placed for any inpatient that undergoing a surgical procedure listed on the SBOS without specimen/orders.
- C. For any patient with antibody history please confirm that the "RBC antibody" comment appears in the Special Needs column of the schedule. If the comment is not present call the OR Boarding office @ 313-593-7797 and request that the comment be added to the Special Needs section for the patient.
- D. Repeat the above steps for the OB Surgery Schedule.
- E. The surgery schedule will be saved on the Communication bench until the next day where it

will be reviewed and discarded after blood availability for each patient is verified.

Attachments

Surgical Blood Order Schedule

Approval Signatures

Step Description	Approver	Date
	Jeremy Powers: Chief, Pathology	5/16/2022
Policy and Forms Steering Committe (if needed)	Gail Juleff: Project Mgr Policy	5/12/2022
Policy and Forms Steering Committe (if needed)	Kelly Sartor: Supv, Laboratory	5/12/2022
	Kimberly Geck: Dir, Lab Operations B	5/12/2022
	Kelly Sartor: Supv, Laboratory	5/12/2022
	Kelly Sartor: Supv, Laboratory	5/12/2022

SURGICAL BLOOD ORDER SCHEDULE

Type & Screen:	Type & Cross 2 units (unless indicated otherwise)
Cardiac Surgery	Cardiac Surgery
	Coronary bypass
	Valve surgery
	TAVR's (4 units)
	Pericardial window
	Sternal rewiring
	Thoracic aortic resection
Cardiology	Cardiology
	Laser lead extraction (4 units)
	Covergent endoscopic Epicardial Ablation without Pulmonary Bypass
Otolaryngology	Otolaryngology
Mandibular surgery – open reduction & fixation	Laryngectomy
	Maxillectomy
	Radical neck dissection
General Surgery	General Surgery
Colectomy/colostomy closure or revision	Abdominoperineal resection
Exploratory laparotomy	Adrenalectomy
Gastric bypass; Lap Ban removal	Esophagogastrectomy
Gastrectomy	Hepatic lobectomy
Gastrojejunostomy	Ligate esophageal varices/TIPS
Hernia – hiatal	Sigmoid resection
Ileostomy & revision	Splenectomy
Low anterior resection	Whipple
Nissen Fundoplication	
Proctectomy	
Small bowel resection	
Tumor debulking	
Vagotomy & pyloroplasty	
Zenker's diverticulum	
Gynecology	Gynecology
Vaginal hysterectomy	Radical hysterectomy
D&C for missed abortion/molar pregnancy/suction curettage	Total abdominal hysterectomy (if lymph nodes or staging involved)
Myomectomy	Staging laparotomy
Oophorectomy – open	Pelvic lymphadenectomy
Salpingectomy	Radical vulvectomy
Vulvectomy	Tumor debulking
C-section	
Neurosurgery	Neurosurgery
Anterior cervical fusion	Craniotomy
Cranioplasty	Ant/post thoracolumbar fusion and/or instrumentation (excludes cervical)
Discectomy – lumbar/anterior	Stroke patient for mechanical thrombectomy
Kyphoplasty	
Laminectomy – thoracic/lumbar	
Laminectomy	
Pituitary tumor	
Spinal fusion	
Transphenoidal surgery	
Ventriculostomy	

Type & Screen:	Type & Cross 2 units (unless indicated otherwise)
Orthopedics	Orthopedics
Open reduction internal fixation tibia, humerus	Open reduction internal fixation (ORIF) femur
Prosthesis removal	Open reduction internal fixation (ORIF) pelvis
Total joint replacement	Tibia/Fibula osteotomy
	Free fibular graft
Pediatric Surgery	Pediatric Surgery
Plastic Surgery/Oral Surgery	Plastic Surgery/Oral Surgery
	Free flap tissue transfer/graft
Thoracic Surgery	Thoracic Surgery
Mediastinoscopy	Decortication of lung
Thoracoscopy (VATS)	Lobectomy – segmental resection
	Pneumectomy
	Thoracotomy
	Esophagectomy
Urology	Urology
Nephrolithotomy	Nephrectomy
Prostate photovaporization, XPS laser, cryoablation	Radical prostatectomy
Prostatectomy – retropubic/Davinci	Suprapubic prostatectomy
Pyeloplasty	Ileal conduit
Renal exploration	
Ureteroneocystostomy	
Ureterolysis	
TUR Prostate	
Vascular Surgery	Vascular Surgery
Amputation (above knee/below knee/revision)	Abdominal aortic aneurysm
Axillofemoral bypass	Aortoiliac/aortofemoral bypass
Arteriogram, Angiogram, Angioplasty	
Femoral-femoral bypass	
Femoral – popliteal bypass	
Femoral-tibial bypass	
Iliofemoral bypass	
Pseudo aneurysm repair	
Carotid endarterectomy	