



SURGICAL CROSSMATCH GUIDELINES v1.0

Type: Procedure

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Organization Bassett Medical Center Lab

Comments for version 1.0

Initial version moved from SofTech

Approval and Periodic Review Signatures

Type	Description	Date	Version	Performed By	Notes
Approval	Lab Director	12/6/2023	1.0	John Fisk MD Clinical Laboratory Director (M08480)	
Approval	Lab Director	12/5/2023	1.0	Ghazala Nathu MD Clinical Laboratory Director (S00134)	
Approval	Lab Director	12/5/2023	1.0	Samantha Davenport MD Service Line Chief (M03764)	
Approval	Lab Director	12/4/2023	1.0	Timothy Chapman MD Clinical Laboratory Director (M11669)	

Version History

Version	Status	Type	Date Added	Date Effective	Date Retired
1.0	Approved and Current	Initial version	12/1/2023	12/6/2023	Indefinite



SURGICAL CROSSMATCH GUIDELINES

RCP = Type and Antibody Screen and Crossmatch

TSC = Type and Antibody Screen

CRCP = Cardiac Type and Antibody Screen (includes Cold Agglutinin Screen) and Crossmatch

CTS = Cardiac Type and Antibody Screen (includes Cold Agglutinin Screen)

SEP = Separate and Hold

For additional information, refer to policy on Providing Blood for Perioperative Patients.

GENERAL SURGERY

Amputation A/K, B/K	RCP x1
Adrenelectomy	RCP x1
Colon Resection, Partial	None or TSC if normal Hct /RCPx2 if Hct low
Total Colectomy	RCP x2
APR	RCP x2
Exploratory Laparotomy	TSC
Gastrectomy	RCP

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	x2
	RCP
Liver Resection	x6
Needle Biopsy, Liver	TSC
Needle Biopsy, Kidney	TSC
Parotidectomy	TSC
	RCP
Portocaval Shunt	x6
	RCP
Radical Neck Dissection	x4
	RCP
Splenectomy	x2
Thyroid Exploration	TSC
Vagotomy and Pyloroplasty	TSC
Whipple Procedure	RCP x 2-Stay 2 ahead
	RCP
Distal Pancreatectomy	x2
Lymph Node Biopsy	TSC

THORACIC SURGERY

Bronchoscopy	TSC
Cardiac Pacemaker	TSC
	RCP
Diaphragmatic Hernia	x 2
	RCP
Embolectomy	x 2
	RCP
Esophageal Resection	x 6
	RCP
Lung Biopsy	x 1
	RCP
Thoractomy	x 2
Tracheostomy	TSC

NEUROSURGERY

Craniotomy	TSC	(Example Cases: Subdural, epidural hematoma)
	RCP	
Crainotomy for aneurysm or AVM	x 2	
Lumbar Fusions	TSC	

OBSTETRICS and GYNECOLOGY SURGERY

	TSC For Rhogam Treatment
Abortion	
Induction of Labor	TSC
Normal Delivery*	TSC
Cesarean Section*	TSC
*Any patient with antibodies	RCP x 2

ORTHOPEDIC SURGERY

Total Hip Replacement	RCP x 2
Total Knee Replacement	TSC
Hip Revision	RCP x 3

PLASTIC SURGERY

Skin Graft	TSC
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UROLOGIC SURGERY

Cystectomy, Partial	RCP x 2
Cystectomy, Radical	RCP x 4
Nephrectomy	RCP x 2
Radical Prostatectomy	RCP x 2

VASCULAR SURGERY

Aneurysm Resection (Elective)	RCP x 2
Aorto-Femoral Bypass	RCP x 2
Femoral-Popliteal Bypass	TSC
Cardiac Catheterization	SEP
Carotid Endarterectomy	TSC

Coronary Artery Bypass Graft:

(CABG) (includes off pump)	CRCP x 2-Stay 2 ahead
Replacement Ascending Aortic Aneurysm	CRCP x 4-Stay 4 ahead
Reimplanting Coronary Artery	CRCP x 2-Stay 2 ahead
Replacement Aortic Valve	CRCP x 2-Stay 2 ahead
Replacement Aortic Root	CRCP x 4-Stay 4 ahead
Replacement/Repair Mitral Valve	CRCP x 2-Stay 2 ahead

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