

CATEGORY 1

Low Bleeding Risk Procedure

Non-tunneled venous catheter, Dialysis access interventions, Central line removal, IVC filter placement, Venography, Catheter exchange Thoracentesis, Paracentesis, Thyroid biopsy Joint aspiration/injection, Superficial aspiration, drainage and/ or biopsy

CATEGORY 2

Moderate Bleeding Risk Procedure

Angiography, Venous interventions, Chemoembolization/radioembolization, Uterine fibroid embolization, Transjugular liver biopsy, Tunneled venous catheter, Subcutaneous port device placement, Abscess drainage, Biopsy (other than superficial or renal), Percutaneous cholecystostomy, Enteric tube placement, Spinal procedures

CATEGORY 3

High Bleeding Risk Procedures

TIPS, Renal biopsy, Radiofrequency ablation, Nephrostomy tube placement, Biliary interventions



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PRE-PROCEDURE ANTI-COAGULANT GUIDELINES



BREVARD PHYSICIAN ASSOCIATES INTERVENTIONAL RADIOLOGY



CATEGORY 1

Low Bleeding Risk Procedure

PROCEDURE RECOMMENDATIONS:

TESTS/THRESHOLDS:

- INR (correct to <2.0)
- aPTT
- Transfuse if platelets <50,000/L

MEDICATIONS TO WITHHOLD*

(time period to withhold prior to procedure):

- Warfarin/Coumadin (3-5days; INR<2.0)
- Heparin (check aPTT)
- LMWH (1 dose or 12 hours)
- Blood thinners (0-5 days)
- Long acting platelet inhibitors/ReoPro (12-24 hours; aPTT<50, ACT<150)
- Short acting platelet inhibitors/Integrelin/Aggrastat (immediately)

**If not indicated (e.g. aspirin, NSAIDs), not necessary to withhold.*

CATEGORY 2

Moderate Bleeding Risk Procedure

PROCEDURE RECOMMENDATIONS:

TESTS/THRESHOLDS:

- INR (correct to <1.5)
- aPTT (correct if > 1.5 times normal)
- Platelet count (transfuse if platelets <50,000/L)

MEDICATIONS TO WITHHOLD*

(time period to withhold prior to procedure):

- Warfarin/Coumadin (5 days; INR<1.5)
- Heparin (correct if aPTT > 1.5 times normal)
- LMWH (1 dose or 12 hours)
- Arixtra (2-3 days if CrCl > 50mL/min; 3-5 days if CrCl < 50mL/min)
- Blood thinners (5 days, except Ticlid which should be withheld 7 days)
- Long acting platelet inhibitors/ReoPro (24 hours; aPTT<50, ACT<150)
- Short acting platelet inhibitors/Integrelin/Aggrastat (4 hours)
- Direct thrombin inhibitors (Defer procedure until off medication. If emergent, please call).

**If not indicated (e.g. aspirin, NSAIDs), not necessary to withhold.*

CATEGORY 3

High Bleeding Risk Procedure

PROCEDURE RECOMMENDATIONS:

TESTS/THRESHOLDS:

- INR (correct to <1.5)
- aPTT (correct if > 1.5 times normal)
- Platelet count (transfuse if platelets <50,000/L)

MEDICATIONS TO WITHHOLD

(time period to withhold prior to procedure):

- Warfarin/Coumadin (5 days; INR<1.5)
- Aspirin (5 days)
- Heparin (2-4 hours, correct if aPTT > 1.5 times normal)
- LMWH (2 doses or 24 hours)
- Arixtra (2-3 days if CrCl > 50mL/min; 3-5 days if CrCl < 50mL/min)
- Blood thinners (5 days, except Ticlid which should be withheld 7 days)
- Ibuprofen and other short acting NSAIDs (24 hours)
- Naproxen and other intermediate acting NSAIDs (2-3 days)
- Meloxicam and other long acting NSAIDs (10 days)
- Long acting platelet inhibitors/ReoPro (24 hours; aPTT<50, ACT<150)
- Short acting platelet inhibitors/Integrelin/Aggrastat (4 hours)
- Direct thrombin inhibitors (Defer procedure until off medication. If emergent, please call).