Diagnostic Imaging / Interventional Radiology
PRE-PROCEDURE COAGULATION REQUIREMENTS

Category 1 **No lab test required except for patients on Coumadin and/or have liver disease.**

- Heparin to be held for 2 hours prior to the procedure.
- Fragmin (Dalteparin) and Lovenox (Enoxaparin) and Savaysa or Lixiana (Edoxaban) to be held 12 hours prior to the procedure.
- Pradaxa (Dabigatran), Xarelto (Rivaroxaban), Eliquis (Apixaban), Arixtra (Fondaparinux) to be held 48 hours prior to procedure.
- Coumadin (Warfarin) to be held 5 days prior to the procedure.

INR less than or equal to 2.0 for patients on Coumadin.
Platelet count greater than or equal to 50,000.

- Anti-platelet agents such as Aspirin, Effient (Prasugel), Brilinta (Ticagrelor), Aggrenox (Dipyridamole) and Plavix (Clopidigrel) can be maintained.

Category 1 Procedures -Dialysis Non-Tunneled Catheter -Dialysis Shunt Intervention -IVC Filter -IVC Gram -Drainage Catheter Exchange - Lymph Node Biopsy (Superficial) - PICC Line –Thoracentesis/ Paracentesis -Thyroid Biopsy -Joint Aspiration / Injection -Venography

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Category 2 Need INR less than or equal to 1.5 to 1.7.
Need platelets greater than or equal to 50,000

- Aspirin and Aggrenox may be continued.
- Plavix, Brilinta and Arixtra to be held for 5 days prior to the procedure.
- Pradaxa, Xarelto, Eliquis and Savaysa/Lixiana and to be held 2 days (5 days if CRI, GFR < 30) prior to the procedure.
- Effient to be held 7 days prior to the procedure.
- Hold anticoagulants (Heparin, Fragmin, Lovenox, Coumadin as above)

Anticoagulants should be held after the approval of the patient's primary MD. Restart in 6 hours.

Category 2 Procedures -Angiography (Dx/Tx) (Anti-platelets OK) - Biopsy (All except Renal) - Venous Intervention -Port - Tunneled Dialysis Catheter (new/exchange) –Drainages -G/J Tube Placemen -Cholecystostomy - LP/Myelopgrams -Epidurals/Facet Injections -Vertebroplasty / Kyphoplasty -Suprapubic catheter

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Category 3 Need INR, PTT, (if on Heparin), Platelet Count and Hematocrit.
Lab abnormalities should be corrected so that:

- INR is less than or equal to 1.5
- Platelet count is greater than or equal to 50,000
- PTT is less than or equal to 1.5 time control

- Aspirin, Plavix, Brilinta, Aggrenox, Coumadin, and Arixtra should be held 5 days prior to the procedure.
- Effient (Prasugrel) should be held 7 days prior to the procedure.
- Pradaxa (Dabigatran), Xarelto (Rivaroxaban), Eliquis (Aprixaban), and Savaysa/Lixiana (Edoxaban) to be held 2 days (5 days if CRI, GFR < 30) prior to the procedure.
- Heparin should be held for 4 hours while Loxenox and Fragmin should be held for 24 hours.

Anticoagulants should be held after the approval of the patient's primary MD. Restart in 24 hours.

Category 3 Procedures -TIPS -Renal Biopsy -RFA -Nephrostomy (New) -Biliary catheter (New)
**Change of Biliary and Nephrostomy Catheters do not require labs and anticoagulants do not need to be stopped (Category 1)

May restart PO, IM, SUBQ meds the next dose; IV drugs restart in 4 hours unless Category 3.
Repetitive patients do not need labs unless specifically requested by physician, if labs less than 30 days old.
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