

Biliary (PTC/PTHC) Drain Placement

- **Includes:** biliary drain placement; percutaneous transhepatic catheter placement
- **Rads that do procedure:** Agrait (MA), Cohen (DC), Edwards (JE), Parsons (CP), Rezaei (AR), Sherard (DS)
- **Need imaging/radiologist review:** yes
- **Need H&P:** yes updated within 30 days of procedure date (must include heart & lungs exam)
- **Need to hold blood thinners:** yes (per chart on next page)
- **Need to hold diabetes / weight loss medications:** only if general anesthesia will be used
 - 24 hours - Rybelsus (semaglutide), Victoza (liraglutide), Januvia (sitagliptin), Tradjenta (linagliptin), Onglyza (saxagliptin)
 - 4 days - Farxiga/Xigduo/Qtern (dapagliflozin), Jardiance/Synjardy/Glyxambi (empagliflozin), Invokana/Invokamet (canagliflozin), Steglatro (ertugliflozin), Brenzavvy (bexagliflozin), Inpefa (sotagliflozin)
 - 7 days - Ozempic/Wegovy (semaglutide), Mounjaro/Zepbound (tirzepatide), Saxenda (liraglutide), Byetta (exenatide), Trulicity (dulaglutide)
- **Need to hold other meds:** no
- **Need to be NPO:** yes (2 hrs for clear liquids, 6 hrs for light meals & dairy products, 8 hrs for fatty meals)
- **Need a driver:** yes
- **Need bed in Short Stay / PACU:** yes
- **Arrival time:** 2 hrs prior to appointment
- **Need an IV:** yes
- **Need blood work:** CBC w/o differential & PT/INR within 30 days of procedure date (usually done day of procedure)
BMP the day of procedure (only in patients with renal disease)
- **Receive moderate sedation:** yes
- **Stay after procedure:** 2 hrs after procedure

Biliary (PTC/PTHC) Drain Exchange & Removal

- **Rads that do procedure:** Agrait (MA), Cohen (DC), Edwards (JE), Parsons (CP), Rezaei (AR), Sherard (DS)
- **Need imaging/radiologist review:** yes
- **Need H&P:** yes updated within 30 days of procedure date (must include heart & lungs exam)
- **Need to hold blood thinners:** yes (per chart on next page)
- **Need to hold other meds:** no
- **Need to be NPO:** yes (2 hrs for clear liquids, 6 hrs for light meals & dairy products, 8 hrs for fatty meals)
- **Need a driver:** yes
- **Need bed in Short Stay / PACU:** yes
- **Arrival time:** 2 hrs prior to appointment
- **Need an IV:** yes
- **Need blood work:** depends on case
- **Receive moderate sedation:** depends on case
- **Stay after procedure:** 1 hr after procedure
- Biliary drain must be in place for 6 weeks prior to removal.

	Higher Risk Procedures	
	Hold	Resume
Aspirin (81 mg & 325 mg)	3-5 days	24 hrs
Short-Acting NSAIDs (ibu/ketoprofen, diclofenac, indomethacin)	24 hrs	immediately
Intermediate-Acting NSAIDs (naproxen, celecoxib, sulindac, diflunisal)	48 hrs	immediately
Long-Acting NSAIDs (meloxicam, piroxicam, nabumetone)	10 days	immediately
Heparin	4-6 hrs (IV) 6 hrs (SQ)	6-8 hrs
Enoxaparin (Lovenox)	12 hrs (30-40 mg dose) 24 hrs (higher doses)	12 hrs
Dalteparin (Fragmin)	24 hrs	12 hrs
Warfarin (Coumadin)	hold until INR $\leq 1.8^*$	24 hrs*
Clopidogrel (Plavix)	5 days	6 hrs (75 mg dose) 24 hrs (higher doses)
Ticagrelor (Brilinta)	5 days	24 hrs
Prasugrel (Effient)	7 days	24 hrs
Aspirin/Dipyridamole (Aggrenox)	3-5 days	24 hrs
Cilostazol (Pletal)	no hold	immediately
Fondaparinux (Arixtra)	2-3 days (GFR ≥ 50) 3-5 days (GFR < 50)	24 hrs
Argatroban (Acova)	2-4 hrs	4-6 hrs
Bivalirudin (Angiomax)	2-4 hrs	4-6 hrs
Apixaban (Eliquis)	48 hrs (GFR ≥ 50) 72 hrs (GFR < 50)	24 hrs
Dabigatran (Pradaxa)	48 hrs (GFR ≥ 50) 72-96 hrs (GFR < 50)	24 hrs
Rivaroxaban (Xarelto)	48 hrs (GFR ≥ 30) 72 hrs (GFR < 30)	24 hrs
Betrixaban (Bevyxxa)	72 hrs	24 hrs
Edoxaban (Savaysa)	48 hrs	24 hrs
Ticlopidine (Ticlid)	7 days	24 hrs
Desirudin (Iprivask)	4 hrs	1 hr
Abciximab (ReoPro)	24 hrs	per Cardiology
Eptifibatide (Integrilin)	4-8 hrs	per Cardiology
Tirofiban (Aggrastat)	4-8 hrs	per Cardiology