	ELECTIVE SURGERY	MEDICATION INSTRU	JCTIONS Updated 03012024	
MEDICATION CLASS	MEDICATION	INSTRUCTIONS	RATIONALE	SOURCE
Antiplatelet and anticoagulant Instructions: Refer to specialty service protocols				
Antiplatelets	ASA		Check with surgeon if need to stop	
Check with Cardiologist on perioperative antiplatelet therapy by outweighing risk of bleeding with that of stent thrombosis	Clopidogrel		Check with surgeon/generally stop 5 days prior	
	Prasugrel		Check with surgeon/generally stop 5 days prior	
	Ticagrelor		Check with surgeon	
	Ticlodipine		Check with surgeon	
	Dipyridamole/risk of bleed vs ischemia		Check with surgeon/gen stop 2 days prior	
	Aggrenox (combo asa/dipyridamole)		Check with surgeon/gen stop 7-10 days prior	
	Cilostazol/used for claudication		Check with surgeon/generally stop 5 days prior	
Anticoagulants	Coumadin		Check with surgeon/bridge if necessary	
	Dabigatran		Genereally stop 2 days prior	
	Rivaroxiban		Genereally stop 2 days prior	
NSAIDS	NON COX SELECTIVE IBUPROFEN, NAPROXEN	STOP 7 DAYS PRIOR		
10.1105	INDOMETHACIN, SULINDAC	JIOI / DAIISTRIOR		
	COX 2 INHIBITOR-celecoxib	may be maintained for pain per surgeon	minimal effect on pts	
NONACETYLATED NSAIDS	Diflunisal, salsalate,choline mag tricalicylate	can be continued periop	used for pain management	
			If used for CHF or poorly controlled HTN can give. Discuss w/anesthesia. Recent evidence suggests risk for	
CARDIOVASCULAR	ACE INHIBITOR "PRILS" Lisinoprils,ramipril,benazep	HOLD AM of surgery	intraoperative hypotension morbidity significantly higher if continued AM of surgery.	ICSI Healthcare Guideline Perioperative

enalapril, captopril, fosinopril	HOLD AM of surgery	If used for CHF or poorly controlled HTN can give. Discuss w/anesthesia. Recent evidence suggests risk for intraoperative hypotension morbidity significantly higher if continued AM of surgery.	2014 ACC/AHA guideline on perioperative cardiac evaluation and maangement of patients undergoing noncardiac surgery: https://www.ahajournals.org/doi/epub/10.1161/CI R.00000000000000106
ANGIOTENSIN RECEPTOR BLOCKERS-"ARBS"	HOLD morning of surgery	If used for CHF or poorly controlled HTN can give. Discuss w/anesthesia. Recent evidence suggests risk for intraoperative hypotension morbidity significantly higher if continued AM of surgery.	

			If used for CHF or poorly controlled	
			HTN can give. Discuss w/anesthesia.	
			Recent evidence suggests risk for	
			intraoperative hypotension morbidity	
			significantly higher if continued AM	
	Losartan, valsartan,		of surgery.	
	irbisartan, candasartan	HOLD morning of surgery	or surgery.	
	BETA BLOCKER			
	"OLOL"			
	ATENOLOL,			
	METOPROLOL	Take up am of surgery		
	ALPHA 2 AGONIST	1 2 3	Abrupt withdrawl of drug can	
	Clonidine		precipitate rebound hypertension	
	Cionidine	Take am of surgery	precipitate resound hypertension	
	CALCIUM CHANNEL			
	BLOCKERS- Nifedipine,			
	diltiazem, amlodipine,			
	verapamil			
	1	Take am of surgery		
	DIURETICS - HCTZ		May take if prescribed for CHF	
	furosemide,		especially if fluid balance difficult	
	chlorthalidone	Hold am of surgery	control	
			<b>Y</b>	
	STATIN	Continue	May prevent vascular events	
	NON STATIN LIPID			
	LOWERING-Niacin,			
	fenofibrate, trilipex,		M 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	gemfibrozil,exetimibe	1 :	May cause rhabdomyolysis/interfere	
	,	day prior surgery	with absorption of other meds	
	BP/DIURETIC COMBO	Take unless ACE/ARB		
	ANTI-ARRYTHMICS-			
	Digoxin, amiodarone,			
	flecanide, quinidine	T.1 C		
		Take am of surgery		
	VASODILATADOR-			
	Hydralazine	Take am of surgery		
	NITRATES-Imdur,			
	isosorbide, nitroglycerin			
	patch	Take/Wear patch the am of		
	Paten	surgery		
ENDOCRINE AGENTS				
			Continue all day and evening prior.	
			Consider metformin discontinuation	
			24-	
			48 hrs for renal dysfunction/contrast	
DIABETES	ORAL AGENTS	Hold am of surgery	dye	

			1	
	NON INCLUDE			
	NON - INSULIN INJECTABLE		Day prior-routine meal plan and take	
	Byetta, victoza	Hold am of surgery	as usual insulin dose	
	RAPID ACTING			
	INSULIN-			
	Novolog, Humalog,	Holdom of support	Day prior-routine meal plan and take as usual insulin dose	
	Apidra Novolin R or Humulin R	Hold am of surgery	as usuai iiisuiiii dose	
	Novolin R or Humulin R			
				Anesthesiology.
				Wanderer, P., Rathmell, J.P. (2017).
				January.
	INTERMEDIATE			Infographics in
	ACTING- Taken twice			Anesthesiology. Vol.126, A21.
	daily Novolin N, Humulin N (NPH)	Hold am of surgery		doi:http://doi.org/10.109 7/ALN.0000000000001477
DIABETES/WEIGHT LOSS	GLP-1 Receptor Agonists	Hold am of surgery	For CETA PAGE	
DIADETES/WEIGHT EUSS	(daily dosing)	Thola all of surgery	For GETA or MAC	https://www.apsf.org/article/are- serious-anesthesia-risks-of-
	(daily dosilig)		Day of the Procedure:	semaglutide-and-other-glp-1-
			If GI symptoms such as severe	agonists-under-recognized/
			nausea/vomiting/retching,	
			abdominal bloating, or abdominal	
			pain are present, consider delaying elective procedure, and discuss the	
			concerns of potential risk of	
			regurgitation and pulmonary	
			aspiration of gastric contents with	
			the proceduralist/surgeon and the patient.	
			If the patient has no GI symptoms,	
			and the GLP-1 agonists have been	
			held as advised, proceed as usual.	
			If the patient has no GI symptoms, but the GLP-1 agonists were not held	
			as advised, proceed with "full	
			stomach" precautions or consider	
			evaluating gastric volume by	
			ultrasound, if possible, and if proficient with the technique. If the	
			stomach is empty, proceed as usual.	
			If the stomach is full or if gastric	
			ultrasound is inconclusive or not	
			possible, consider delaying the	
			procedure or treat the patient as "full stomach" and manage	
			accordingly. Discuss the concerns of	
			potential risk of regurgitation and	
			pulmonary aspiration of gastric	
			contents with the proceduralist/surgeon and the	
			patient.	
DIABETES/WEIGHT	GLP-1 Receptor	DIABETES/WEIGHT	For GETA or MAC	https://www.asahq.org/about-
LOSS	Agonists	LOSS	Day of the Procedure:	asa/newsroom/news-
2033		1000	,	releases/2023/06/american-
	(weekly dosing)		If GI symptoms such as severe	society-of-anesthesiologists-
			nausea/vomiting/retching,	<u>consensus-based-guidance-on-</u>
			abdominal bloating, or	<u>preoperative</u>
			abdominal pain are present,	
			consider delaying elective	
			procedure, and discuss the	

concerns of potential risk of
regurgitation and pulmonary
aspiration of gastric contents
with the proceduralist/surgeon
and the patient.
If the patient has no GI
symptoms, and the GLP-1
agonists have been held as
advised, proceed as usual.
If the patient has no GI
symptoms, but the GLP-1
agonists were not held as
advised, proceed with "full
stomach" precautions or
consider evaluating gastric
volume by ultrasound, if
possible, and if proficient with
the technique. If the stomach is
empty, proceed as usual. If the
stomach is full or if gastric
ultrasound is inconclusive or not
possible, consider delaying the
procedure or treat the patient as
"full stomach" and manage
accordingly. Discuss the concerns
of potential risk of regurgitation
and pulmonary aspiration of
gastric contents with the
proceduralist/surgeon and the
patient.

LONG ACTING INSULIN- Glargine, Determir	Continue am of surgery		Anesthesiology. Wanderer, P., Rathmell, J.P. (2017). January. Infographics in Anesthesiology. Vol.126, A21. doi:http://doi.org/10.1097 /ALN.00000000000001477
Once daily dosing in morning is their routine	Take 50% of usual morning dose am of surgery	Day prior Take usual morning dose	
Once daily dosing in the evening is their routine	Do not take any insulin am of surgery	Day prior-Take 75% of usual evening dose	
Taken twice daily	Take 50% of usual morning dose am of surgery	Day prior-Take usual morning dose, 75% of evening dose	
PRE-MIXED INSULINS 70/30, 75/25, 50/50, Taken bid	Take 50% of usual morning dose am of surgery	Day Prior Take usual morning dose and 75% of evening dose	
INSULIN PUMP	Maintain basal rate	Day Prior- Take usual meal plan & basal rate	

	Continue meds for hyperthyroid and			
THYROID	hypothyrodism	Take the am of surgery	Consult endocrine for concerns	
GASTROINTESTINAL	Acid blockers	Take the am of surgery		
	Proton Pump inhibitors	Take the am of surgery		
HERBALS/VITAMINS	ALL TYPES	Stop 7 days prior to surgery	7	
NEUROLOGIC	Provigil (Narcolepsy)	Hold the am of surgery		
	SUBOXONE (OPIOID			
OPIOID DEPENDENCE	ANTAGONIST)	Per prescriber	May taper over week prior	
			Should be discontinued preoperatively	
			48-72 hours if by mouth, and multimodal approach to pain. If medicaiton is IM,	
			then discontinue 4 weeks preoperatively or refer to prescriber.	
	NATEDEVONE	Dan a maranik an	of ferer to prescriber.	
	NALTREXONE	Per prescriber	Either Continue or Lower dose	
			preoperatively, 1mg morphine=15-35	
			mcg buprenorphine. If preoperative Buprenorphine at or under 8mg, then	
			continue. If 9mg and above, then lower	
			dose preoperatively over 1-4 weeks.	
			Best to defer to prescriber if above 8mg.	
	BUPRENORPHINE	Per prescriber		
	METHADONE	Take am of surgery	Monitor QT interval	
	TRAMADOL,			
	TAPENTADOL, MEPERIDINE	Hold AM of surgery	lowers seizure threshold, epileptogenic effect.	ICSI healthcare: Perioperative
			Risk of thrombosis-consider stop in	
ORAL CONTRACEPTIVES	ORAL MEDS	PER SURGEON	med/high risk if stop 4 weeks in advance/other birth control method	
			SERUM PREGNANCY TESTING	
OSTEOPOROSIS/OSTEOPENI	A BIPHOSPHONATE USE	Hold am of surgery		
	BIPHOSPHONATE		check with dental surgeon regarding hold	
	USE/dental surgery			
	BIPHOSPHONATE			
	USE/bone surgery, long term use of drug,			
	concomitant glucocorticoid/chemo		chack with emergen regarding hald	
	giucocorucoid/cnemo		check with surgeon regarding hold	
			MED/HIGH RISK FOR	
POST MENOPAUSAL			VTE>CONSIDER	
HORMONES	ESTROGEN	PER SURGEON	STOP	

SELECTIVE ESTROGEN RECEPTOR MODULATORS	TAMOXIFEN AND RALOXIFENE	PER SURGEON	MED/HIGH RISK FOR VTE>CONSIDER STOP1-2 WEEKS IN ADVANCE	
MODULATORS	INHALED BETA AGONIST	PER SURGEON	STOPT-2 WEEKS IN ADVANCE	
PULMONARY AGENTS	(ALBUTEROL, SALMETEROL	USE AM OF SURGERY		
	FORMOTEROL			
	INHALED ANTICHOLINERGIC (IPATROPIUM, TIOTROPIUM)	USE AM OF SURGERY		
	INHALED AND SYSTEMIC GLUCOCORTICOIDS	CONTINUE AM OF SURGERY	PERIOP STRESS DOSING FOR SYSTEMIC	
			R CAN CAUSE ARRYTHMIA WITH	
	THEOPHYLLINE	TO SURGERY	PERIOP MEDS	
	LEUKOTRIENE INHIBITORS (ZAFIRLUKAST, MONTELUKAST	CONTINUE AM OF SURGERY		
	GLUCOCORTICOIDS	CONTINUE BOTH INHALED AND SYSTEMIC		
			EVIDENCE BASED GUIDELINES LACKING/IN GENERAL MAINTAIN	
PSYCHOTROPICS	TRICYCLICS	Continue	FOR SOME ADVISED TRYCICLIC BE	
			DISCONTINUED>BEST TO CHECK WITH PRESCRIBER	
	SSRI	Continue	may increase bleeding risk 2/2 effect on platelet/MIGHT QUESTION SURGEON FOR HIGH BLOOD LOSS ANTICIPATION SURGERY. Abrupt withdrawal may cause dizzines, chills, muscle aches, anxiety	
	SNRI AND BUPROPION	Continue	HIGH RISK SURGERY MAY QUESTION 2/2 POTENCION RENAL DYSFUNTION	
	MAO INHIBITORS (ISOCARBONAXID, PARGYLINE, PHENELZINE, TRANYCPROMINE)		REQUIRES PSYCHIATRIST COLLABORATION WITH Anesthesia Provider	
	ANTIPSYCHOTICS (OLANZAPINE, RISPERIDONE)	PER PRESCRIBER	MAY BE HELD IF THE EKG SHOWS PROLONGED qt/CONSULT PRESCRIBER	
	MOOD STABILIZING LITHIUM AND VALPROATE	Continue	INCREASED ATTENTION TO ELECTROLYTES PERIOPERATIVELY/CHECK TSH	
	ANTIANXIETY AGENTS (BENZODIAZEPINE, BUSPAR)	Continue		
	PSYCHOSTIMULANTS		MAY INCREASE RISK OF	
	(ADHD MEDS)	HOLD DAY OF SURGERY	HYPERTENSION/ARRYTHMIAS	

		Hold methylphenedinate am of surgery		
				https://www.ncbi.nlm.nih.
WEIGHT LOSS MEDICATIONS		HOLD 7 days prior to surgery		gov/pubmed/30204622
GOUT THERAPY	COLCHICINE	HOLD AM OF SURGERY		
	ALLOPURINOL	TAKE AM OF SURGERY		
	TERAZOSIN, DOXAZOSIN, TAMSULOSIN,	SURGEON IF OPTHALMOLOGY	MAY CAUSE INTRAOPERATIVE FLOPPY IRIS SYNDROME/CHECK WITH EYE	
BPH MEDICATIONS	ALFZOSIN	PROCEDURE  TAKE OTHERWISE IF TAKES IN AM	DOCS	
STEROIDS		continue, consider stress dosing		
IN GENERAL ALL OTHER MEDICATIONS ARE ALLOWABLE. DEFER TO PRESCRIBER WHEN QUESTIONED				
Sources:				

PERIOPERATIVE MEDICATION

MANAGEMENT/UP TO DATE

03/01/2024

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