## Galway: GAPP - Galway Antimicrobial Prescribing Policy / Guidelines (GAPP): Cardiothoracic Surgery

Antibiotics for Cardiothora		N St Ling Antibiotic	In penicillin allerev	Number & Timing of Decor
Type of Surgery	Procedure	1 <sup>st</sup> Line Antibiotic	In penicillin allergy See_penicillin hypersensitivity	Number & Timing of Doses
rophylaxis in	Coronary artery bypass	CefUROXime** IV 1.5g every	Immediate or severe	1 <sup>st</sup> dose within 60 minutes
ardiothoracic Surgery	graft (CABG)	β hours for a total of 3 doses <sup>1</sup>	delayed reaction only:	before incision & continued
		(24 hour cover)		for 24 hours.
ee Note Regarding Risk			Teicoplanin IV 10mg/kg* (Max	
actors for MRSA		+	800mg) every 12 hours for a	
Note Described			total of 2 doses (24 hour	
ee Note Regarding		If risk factors for or colonised	cover)	
ulti-drug Resistant		with <u>MRSA</u> Add Teicoplanin		
Organisms <u>(MDRO)</u>		IV 10mg/kg * (Max 800mg)	+	
		every 12 hours for a total of		
		2 doses (24 hour cover)	Gentamicin IV	
			ONE dose only, dose per	
			GAPP App calculator (24 hour	
			cover)	
	** Additional intra-operative de	ose of cefUROXime IV 1.5g rec	quired if duration of procedure >	4 hours or >1.5L
	intra-operative blood loss - Se	e Antibiotics requiring additiona	al intra-operative doses	
	Prosthetic valve surgery	As for CABG	· · · · ·	
	Transcatheter aortic valve	Co-amoxiclay IV 1.2g every 8	I eicoplanin IV 10mg/kg* (Max	1 st dose within 60 minutes
	implantation (TAVI)	hours for a total of 3 doses (24		before incision & continued
	(TAT)		total of 2 doses (24 hour	for 24 hours
		hour cover).	``	ior 24 nours
			cover)	
			±	
			T	
			Gentamicin IV	
			ONE dose only, dose per	
			GAPP App calculator (24 hour	
			cover)	
			,	
	Cardiovascular Implantable	-	Any history of penicillin	1 <sup>st</sup> dose within 60 minutes
		continue 1g PO every 6 hours		before incision & continued
	(including permanent	for another 3 doses (24 hour	Teicoplanin IV 10mg/kg* (Max	for 24 hours.
	pacemakers and	cover)	800mg) every 12 hours for a	
	Implantable		total of 2 doses (24 hour	
	cardioverter-defibrillator	If risk factors for or colonised	cover)	
	(ICD))	with MRSA Replace	,	
	(102))	Flucloxacillin with Teicoplanin		
		IV 10mg/kg * (Max		
		800mg) every 12 hours for a		
		total of 2 doses (24 hour		
		cover)		
	Thoracotomy, Pulmonary	CefUROXime** IV 1.5g every	Immediate or severe	1 <sup>st</sup> dose within 60 minutes
	resection	8 hours for a total of 3 doses	delayed reaction only:	before incision & continued
		(24 hour cover)		for 24 hours.
			Teicoplanin IV 10mg/kg *(Max	
			800mg) every 12 hours for a	
			total of 2 doses (24 hour	
			cover)	
			+	
			Gentamicin IV	
			ONE dose only, dose per	
		1	GAPP App calculator (24 hour	
			cover)	
	Video-assisted	CefUROXime** IV 1.5g (one	Immediate or severe	One dose within 60 minutes
	thoracoscopy (VATS)	dose only)	delayed reaction only:	before incision.
			Teicoplanin IV 10mg/kg * (Max	
			800mg) (one dose only)	
			+	
		1	Gentamicin IV	
			ONE dose only, dose per GAPP App calculator	

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