

601 FIRST STAGE MICROTIA RECONSTRUCTION WITH COSTAL CARTILAGE GRAFT

NOTE: Rib graft comes from opposite side of surgical ear.

Operation involves 4 phases:

- Preparation of ear pocket
- Harvest of rib graft and closure of pleural leak
- Sculpting rib graft into ear framework on separate table
- Insertion of framework into pocket

updated December 17, 2011

	OPERATIVE TIME: 4-5 HOURS	LOCATION: MAIN O.R. ONLY
	ICD9 CODE:	744.23 MICROTIA
	CPT CODES:	69320 MICROTIA REC 21230 RIB CARTILAGE GRAFT 21208 SCULPTING FRAMEWORK 32095 REPAIR PLEURAL LEAK 14060 CREATION OF CUTANEOUS POCKET
	ANESTHESIA NOTES	General, ETT, Cefazolin 25mg/kg, will rotate table 180°
	PATIENT POSITION SETUP	Supine on OR table, lower leg if child is small. Rolled towel under shoulder blades, large round gel doughnut. Folded towel under chest. Multi access Baer hugger <u>or</u> Upper extremity Baer. May need Foley. For girls with long hair: 4" Coban, hair bands, 2" silk tape
	TABLE POSITION	Turn table 180°. Lower leg for small child. Rib graft harvested from <u>opposite</u> side as ear. IV started on <u>same</u> side as ear.
	ROOM SETUP	Pre-warm bed.
	EQUIPMENT	Headlight with two light sources, Pump-up chair. Upper body Bear Hugger
	SPECIALS	Ear templates - Dr. Cuadros will bring. Soak in PCMX/Technicare [1] On-Q Painbuster ref# PM015A, 270ml, 2.5". [1] Additional bulb - ref # P270X4D (Jeff Blackwell cell 400-2979). Bring up dosing chart . Fill with 60-240cc Ropivacaine depending on weight.
	PREP	Technicare or PCMX to face and ears, CHG to chest. Soak templates in Technicare or PCMX.
	DRAPING	Head drape w/ green towels, 1000 drape, [2] pack stickies, split sheet, bottom sheet. Drape head and opposite chest
	CAUTERY	<ul style="list-style-type: none"> • Valleylab silver flat E1450X • Saf-T-Vac, [2] Holsters • Megadyne 0118A needle tip • Settings: 10/10 pure
	SUCTION	[2] suctions and tubing, 10fr Frazier, baby Yankauer, Saf-T-Vac
	SOLUTIONS IRRIGATION	Plain saline 2 L for wounds, Kefzol irrigation for graft. Blue bulb syringe and Asepto syringes
	NEEDLES SYRINGES	<ul style="list-style-type: none"> • 10cc syringe 25g 1½" needle and 27g 1½" needle • 50/50 mixture lidocaine epi and Ropivacaine - <u>for chest wall</u> • 3cc syringe 30g ½" needle - Lidocaine w/ epi - <u>for incisions</u> • 30cc syringe with 14g angiocath for irrigation
	LOCAL ANESTHETIC	1% Lidocaine w/epi 50cc, 0.5% Ropivacaine 50cc For On-Q pain buster: 60-240cc Ropivacaine depending on weight
	MEDICATIONS	Cefazolin for irrigation, Bacitracin ointment 2 oz

	SETS TO OPEN		Plastic set				
	INSTRUMENTS ON MAYO STAND for creating pocket and harvesting rib graft.						
	■ FORCEPS		Adson dissector, 05 / 03 / 01 Adson, smooth Adson, Cushing, Debakey, Adson-Brown				
	■ SCISSORS		cud & str Iris, cud & str Stevens, cud & str Metz, Reynolds, str Mayo				
	■ NEEDLE HOLDERS		smooth Webster, smooth & serrated Crile Wood, Mayo Hagar				
	■ RETRACTORS		Bunnel, Senn, Army Navy, 5mm 7mm skin hooks, Weitlaners, "L" retractor				
	■ KNIFE BLADES		[2] No 15. and [8] No 10 scalpels for carving				
	■ OTHER		Dr. C carving tools and board, Carroll tendon passer				
	INSTRUMENTS placed on <u>SEPARATE TABLE FOR SCULPTING CARTILAGE GRAFT</u>						
	<ul style="list-style-type: none">■ carving tools and board■ [2] knife handles■ [6] No 10 blades■ [6] 4-0 CLEAR nylon PS2■ 03 Adson forceps		<ul style="list-style-type: none">■ [2] round basins: one for saline, one for cefazolin irrigation■ kidney basin for cartilage■ [4] green towels■ blue bulb syringe		<ul style="list-style-type: none">■ Adson-Brown forceps■ Webster needle holders■ Crile-Wood needle holders■ Str and curved Iris scissors■ Curved tenotomy scissors		
	STERILE SUPPLIES		[4] marker pens with rulers, hard light handles, 8 fr Red Rubber catheter with 5-1 connector [hold] Scalpels:[2] No 15. [8] No 10 for carving Additional bovie holster #2400 Mag pad #416, 1000 drape				
	SPONGES		Raytec, Chest sponges				
	NON-STERILE SUPPLIES		4" Coban for long hair, girls				
			No	Type	SN	status	
	SUTURES	●	[4]	0 Vicryl CT-1	J260	open 2	hold 2
		●	[2]	2-0 Vicryl CT-1	J259	open	
		●	[2]	3-0 Vicryl SH	J416	open	
		●	[1]	4-0 Vicryl PS-2	J426	open	
		●	[6]	4-0 CLEAR Nylon PS-2	1611	open	
		●	[4]	4-0 Nylon P-3		open 2	hold 2
		●	[2]	5-0 Nylon PC-3	1855		hold
		●	[3]	4-0 Prolene P-3	8699		hold
		●	[2]	6-0 Chromic G-1	796	open	
		●	[2]	4-0 Monocryl PS-2	Y426	open	
		●	[2]	5-0 Monocryl P-3	Y493		hold
		●	[2]	6-0 Monocryl P-1	Y489		hold
			DRAINS		[1] 10 fr round Blake drain ref # 072186 /connectors and bulbs. [1] 8 fr red rubber catheter w/connector to suction pleura [hold]		
DRESSINGS			for chest: 3"x4" Tegaderm, ABD, 6" Ace, 2" paper tape for head: Bacitracin ointment, 3 x 18 Vaseline gauze, 4x4's, Large Glasscock ear cup, 9" Spandage, scissors				
POSTOPERATIVE			call for bed peds 6 th floor, will order postop chest Xray in PACU				
	COMMENTS		Look up Dr. Burt Brents website http://www.earsurgery.com/ for details on technique See Burt Brent Article: Microtia Reconstruction				
	DATE LAST MODIFIED		Nov 2007, Nov 2008, May 2009, August 2009, October 2009, Nov 2009, Mar 2010, Apr 2010, May 2010, Dec 2011				