

## **Nissen Fundoplication, Open—G. Gollin**

43324.1002 (Nissen), 43800.1001 (Pyloroplasty), 43831.1003 (Gastrostomy)

**Description of procedure:** “Nissen fundoplication is the wrapping of the fundus of the stomach around the esophagus at the gastric-esophageal junction. Nissen fundoplication is indicated for infants and children who suffer from severe gastroesophageal reflux (GER).” Alexander’s Care of the Patient in Surgery, Ninth edition, p.988.

**Gloves:** 7 1/2½ Regular

**Music:** 93.1 His personal radio is in OR 6 under writing deck.

**Room Set-Up:** WARM ROOM  
K-Thermia @ 40, Heat lamp prn, Bair Hugger prn,  
Suction, Bovie at head of bed.  
Shorten bed for infants.

**Bovie:** Blue Valleylab—Blend 1  
10 Coag, 10 Cutting to start  
Needle tip and protector  
Premie Bovie Pads (OR6 cabinet above writing desk)

**X-Ray:** None

**Blood:** None, check with anesthesia

**Remind Anes:** None

**Position:** Supine, arms tucked

**Foley:** Ask

**Skin Prep:** Prep ABOVE nipples to pubis, bed line to bed line.  
If patient comes with gastrostomy tube, Dr. will remove prior to prep.  
Surgeon will place sterile foley into gastrostomy opening after draping.  
Clean old gastrostomy tube, as surgeon will replace after surgery.

Under 1 year: Square off w/ 1000 drapes before prep

Warm Betadine paint

Over 1 year: Dura Prep (Remover lotion in Peds Suture Cart)

**Drapping:** Paper “Sticky drapes” X4  
Peds laparotomy drape

**Special Equipment, Instruments and Supplies:**

Peds Suture Carousel  
 Pediatric laparotomy tray  
 Dr. Gollin's specials  
 Peds Bookwalter  
 Adult Bookwalter  
 Hurst esophageal dilators  
 Extra long instruments—XL clamps PLUS  
     XL Crile needleholders  
     9" Debaquey forceps X2  
     Long Metz scissors  
     7" Tuttle forceps  
 CAPD catheter stylet  
 Assorted Malecot catheters  
 Unsterile 1 1/2" strip Reston foam  
 11 blade  
 Peanuts  
 1/4" Penrose

**Drugs:** 0.25% Marcaine, plain, AVAILABLE for possible injection at end  
 Appropriate syringe (1cc per kilogram of body weight) 27 Ga. needle

**Sutures:****Infant:**

Usage	Type	Needle	Code #	Quantity
Ties	4-0 Vicryl	None	J903T	1
Crux:	3-0 Ethibond	RB-1	MX553	1
Plication:	3-0 Ethibond	RB-1 DA	MX552	6 stitches
	L Pledgets			14 pledgets
Pyloroplasty	4-0 PDS	RB-1	Z304	8
Gastrostomy	4-0 PDS	RB-1 SA	MX552	4
Fascia	3-0 PDS	RB-1	Z305H	1
Secure gastrostomy	4-0 Ethibond	SH		1
Skin	5-0 Monocryl	PC-1	Y834G	1

**Child:**

Usage	Type	Needle	Code #	Quantity
Ties	3-0 Vicryl	None	J904T	1
Crux:	2-0 Ethibond	RB-1	MX553	1
Plication:	2-0 Ethibond	RB-1 DA	MX552	6 stitches
	L Pledgets			14 pledgets
Pyloroplasty	4-0 PDS	RB-1	Z304	8

Gastrostomy	4-0 PDS	RB-1 SA	MX552	4
Fascia	2-0 PDS or 0 PDS	SH	Z317H	1
Secure gastrostomy	3-0 Ethibond	SH		1
Skin	4-0 Monocryl	PS-2	Y496G	1

**Specimens:** None

**Dressings:** Abdomen--Mastisol, steri-strips, Lg. Tegaderm  
Gastrostomy--2 x 2, Reston foam

**Disposition of Patient:** PACU or ICU

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**Tips for Circulators:**

If patient comes with gastrostomy tube, Dr. will remove prior to prep.  
Surgeon will place sterile foley into gastrostomy opening after draping.  
Clean old gastrostomy tube, as surgeon will replace after surgery.

Have tall lifts available for assistants.  
Maxon and PDS are interchangeable.  
Peds Bookwalter uses adult Bookwalter also.  
Rusch Pediatric Foley catheters (6 & 8 Fr.) are kept under writing desk in OR6

**Tips for Scrubs:**

Hints for pledget placement: Fold pledget in half crosswise, clamp with mosquito on the middle. Pass one needle on one side of pledget. Pull till in middle of suture. Use long Ryder needleholder. Clamp second pledget in half in same manner. Hand second pledget in after first stitch is placed. Will usually use 8 sutures. Prepare in advance.

Feeding tube: Prefers Malecot catheter over MIC tube. Lubricate CAPD catheter stylet and put into Malecot of choice. At end of case, put bronch trap on end of catheter and leave open to air. Wrap catheter at skin line with unsterile Reston foam.

Does one layer abdominal closure plus skin.

**Special Notes:**

**Sterile Supplies:**

5348	Bovie tip protector	1
1600367	Bovie pencil	1
1600375	Needle tip	1
1603070	Bovie extension	1
1602159	Bovie scratch pad	1
1600745	Suction tubing	1
1603117	Marking Pen	1
1604060	10cc syringe	1
	5 cc syringe	1
1605055	27 Ga. Needle	1
1603025	Peanuts	1
1603137	Pediatric Lap Sponges	1
1605535	Lap sponges	1
1603270	Sterile lube packet	1
3007132	10 Fr. Malecot	1
3007133	12 Fr. Malecot	1
3007134	14 Fr. Malecot	1
1601234	¼ in. Penrose	1
1600160	Urinometer	1
	6 Fr. Foley	1
	8 Fr. Foley	1
1601362	14 Fr. Foley	1
1600527	Bronch trap	1
575	Reston foam	1
3141391	Bair hugger, peds small	1
1601213	Gloves, reg. 7 ½	3

**Sterile Drapes and Linens:**

1602536	Peds pack	1
1005	Sterile blue towels	4
	XX Lg. gown	1
1602221	X Lg. gown	1
1601881	Lg. gown	1
1601721	Mayo Stand cover	1
1603027	Back Table cover	1
1600143	1000 drapes	2

**Dressings:**

1601021	Steri strips ½ “	1
	Lg. Tegaderm	1
1601168	2x2	1

**Equipment:**

5506	Bovie	1
1801005	K-thermia	1
3017828	Heat lamp	1
	Head light	1
5608	Bair hugger	1

**Instruments:**

2040	Peds Lap Tray	1
	Dr. Gollin’s Specials	1
	Peds Bookwalter	1
	Adult Bookwalter	1
4270	Forester sponge stick	1
3022	Hurst esophageal dilators	1
4014	Crile needleholder, XL	1
4020	9” Debaquey forceps	2
4040	Long Metz scissors	1
3008105	7” Tuttle forceps	1
	CAPD catheter stylet	1
4068	Pedicle clamp, small	1

**Drugs:**

	Betadine paint	1
1603030	Mastisol	1
1771084	Water 1000cc	1
1771085	Water 2000cc	1
1771211	Saline 1000cc	2
	K-Y jelly	1
	Bupivacaine 0.25%, plain	1

**Prep:**

1601679	Prep sponges	1
1602546	Dura prep	1

**Sutures:**

7011	Peds Suture Cart	1
1601230	11 Blade	1
3004219	L Pledget	2
3098201	3-0 Vicryl 18" ties	1
	4-0 Vicryl ties 18"	1
3090025	2-0 Ethibond RB-1 DA	1
	3-0 Ethibond RB-1 DA MX552	2
	2-0 PDS SH Z317D	2
	3-0 PDS RB-1 Z305	1
3095937	3-0 PDS SH Z316H	1
3121883	4-0 PDS RB-1 Z304H	8
3146577	4-0 Monocryl PS-2 Y496G	1
3110702	5-0 Monocryl PC-1 Y834G	1

**Unsterile Supplies:**

1600558	K-Thermia, peds	1
	K-Thermia, adult	1
1603942	Bovie pad, peds	1
1605539	Bovie pad, adult	1
1601720	Exam gloves	20
1603540	Suction canister	1
	Diaper, Toddler	1
	Diaper, medium	1
	Diaper, small	1