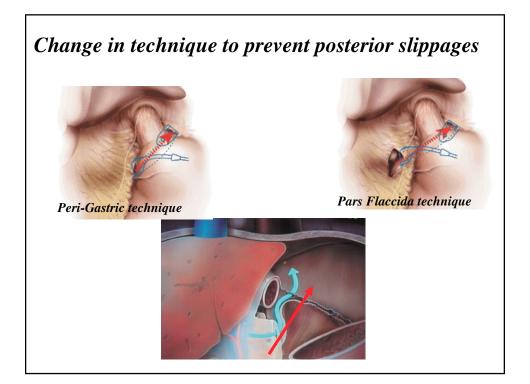
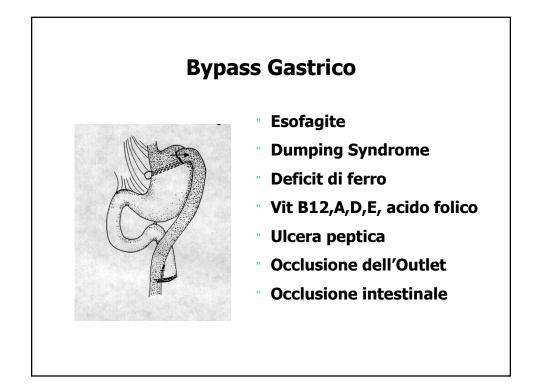
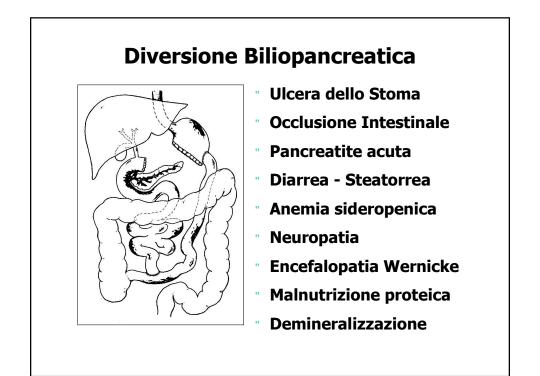


Initial Approach	Current Approach
3cm below EG	1cm below EG
Greater curve dissection 1st short gastric	Greater curve dissection at Angle of His
Lesser curve dissection: <i>perigastric</i>	Lesser curve dissection: <i>pars flaccida</i>
Gastrostenometer to determine initial inflation	Not used, band left empty
Gastric pouch 25-30cc	"Virtual" pouch just below







Valutazione delle opzioni Complicanze chirugiche tardive

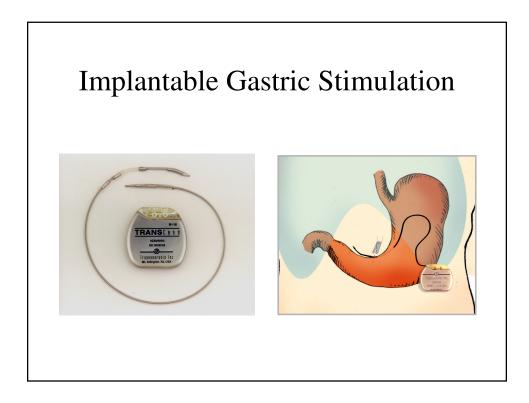
- LAP-BAND :
 - Erosione (0.5%)
 - Dilatazione Tasca/Scivolamento (2.8 %)
- BYPASS GASTRICO :
 - Occlusione Outlet (Funzionale 7.6% o Anatomica 3.4%)
 - Ulcera peptica (1-25%)
 - Occlusione del piccolo intestino (4.7%)
- DIVERSIONE BILIOPANCREATICA :
 - Ulcera dello Stoma (3.2%)
 - Occlusione Intestinale (1%)

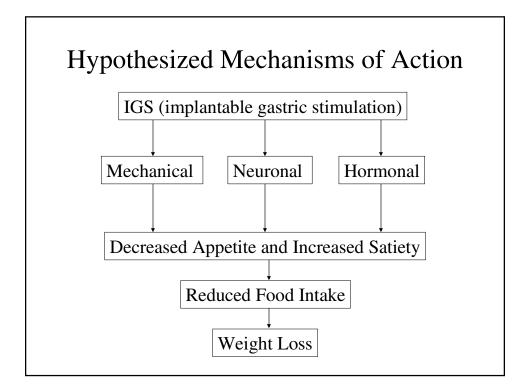


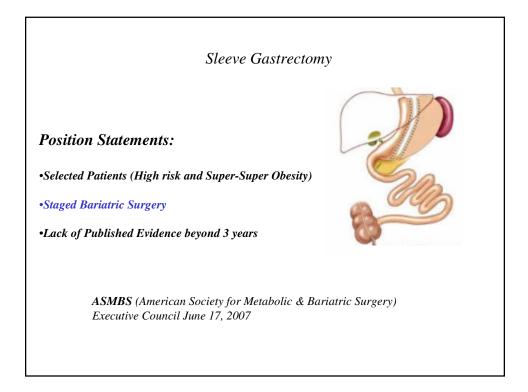
- LAP-BAND :
 - Vomito e Intolleranza al cibo solido.
- BYPASS GASTRICO :
 - Vomito, Dumping Syndrome, Diarrea, Ipoglicemia.
 - Deficit di ferro, Vitamine B12-A-D-E, Acido Folico.

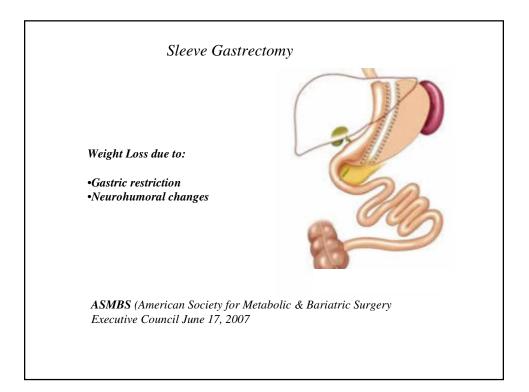
• DIVERSIONE BILIOPANCREATICA :

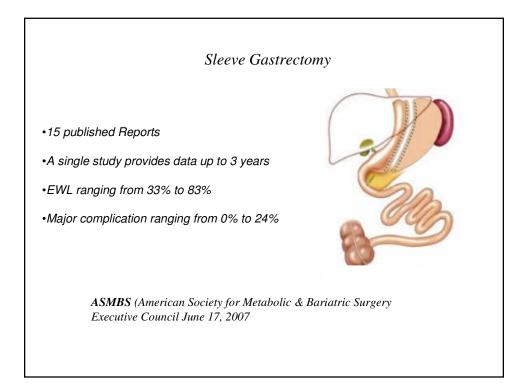
- Vomito, Diarrea, Steatorrea.
- Anemia da deficit di ferro.
- Deficit vitaminici gravi (Neuropatia Wernicke).
- Malnutrizione Proteica (15.1% \Rightarrow 3.0%).
- Demineralizzazione ossea.

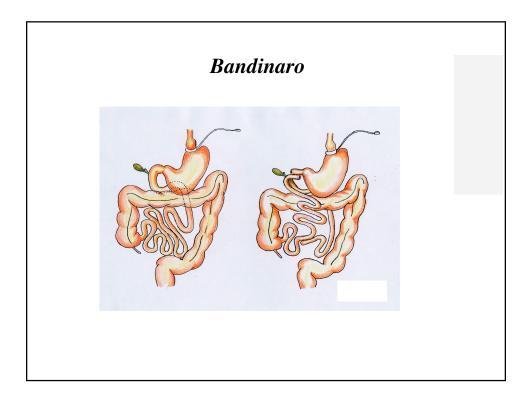










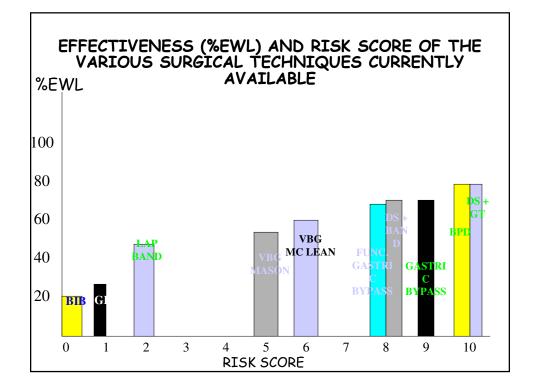


Which Surgery for Which Patient ?

EFFECTIVENESS (% EWL) OF THE VARIOUS SURGICAL TECHNIQUES CURRENTLY AVAILABLE

OPERATION	% EWL
Intragastric Balloon (BIB)	20
Gastric Pacing	25
Lap-Band	50
Vertical Banded Gastroplasty (Mason)	55
Vertical Banded Gastroplasty (Mc Lean)	60
"Functional" Gastric By-pass	70
Duodenal switch + Lap-Band (Band inaro)	75
Gastric By-pass	75
Bilio Pancreatic Diversion	80
Duodenal Switch + Gastric Tubulisation	80

OPERATION	General Anesthesia	Invasiveness Opening G.I.	Anatomical Reversibility	Functional Reversibility	Morb	Risk Score
Intragastric Balloon (BIB)	0	Tract	0	_	0	0
Gastric Pacing			0	-	0	1
Lap-Band	1	0	0	-	1 2	2 5
Vertical Banded Gastroplasty (Mason)	1	1	-	1		
Vertical Banded 1 Gastroplasty (Mc Lean) ''Functional'' Gastric By- pass 1		2	-	1	2 3	6 8
		3	-	1		
Duodenal Switch + Lap Band (Band inaro)	1	3	-	1	3	8
Gastric By pass	1	3	-	1	4	9
Bilio Pancreatic Diversion	1	4	-	1	4	10
Duodenal switch + Gastric Tubulisation	1	4	-	1	4	10



Kral John G

"...<u>staged</u> operation might be the solution to the problem of selecting and appropriate bariatric operation since it was not possible to predict which patients would be well served by pure gastric restrictive operation and which patients would need the addition of malabsorption..."

National Institute of Health (NIH) Consensus Development Conference on Gastrointestinal Surgery for Severe Obesity 1991

> Inter-disciplinary European Guidelines on Surgery of Severe Obesity (IFSO-EC, EASO, IOTF, ECOG)

Assigning a patient to a particular bariatric procedure:

"At this moment, there are insufficient evidence-based data to suggest how to assign a patient to any particular bariatric procedure".

Int J Obesity 2007;31:569-77

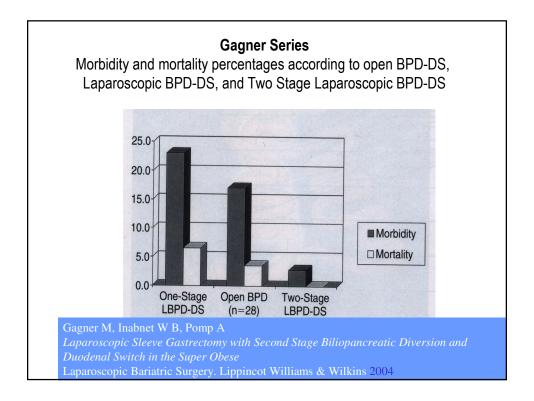
Weight Loss and Risk Score in Lap Band (LAGB), Vertical Banded Gastroplasty (VBG) and Roux-en-Y Gastric Bypass (RYGB): A Systematic Literature Review.

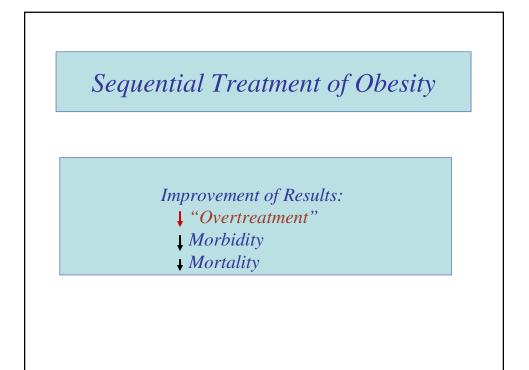
(64 studies LAGB; 57 studies comparative procedure)

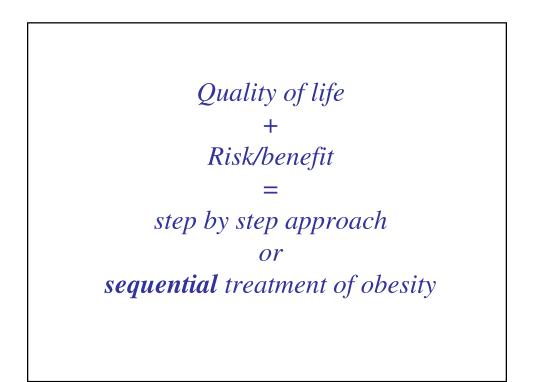
	N. of patients	Mortality rate	Morbidity rate		s Weight oss
				0-2 years	2-4 years
LAGB	5780	0.05%	11.3%	<u>ተ</u> ተ	<u>ተ</u> ተ
VBG	2858	0.31%	25.7%	<u>ት ት ት</u>	<u>ት</u> ተ
RYGB	9258	0.50%	23.6%	$\uparrow \uparrow \uparrow$	<u>ት</u> ተ

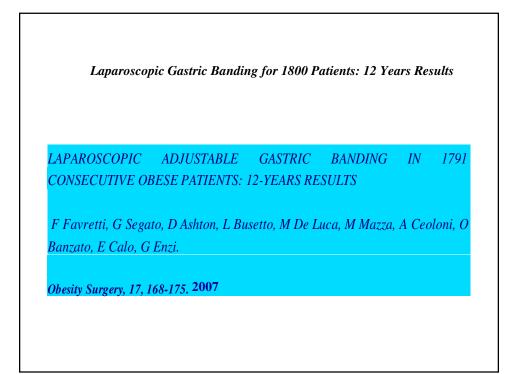
Chapman AE

Laparoscopic Adjustable Gastric Banding in the Treatment of Obesity: A Systematic Literature Review Surgery 135; 326-351, 2004







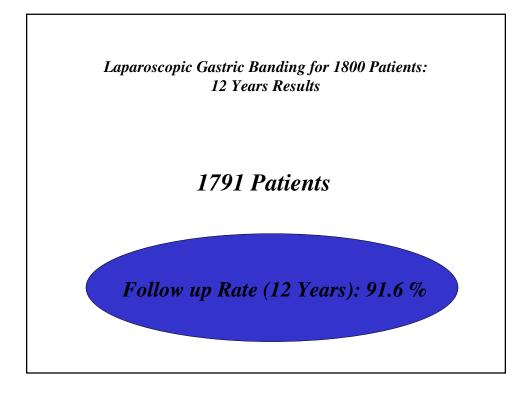


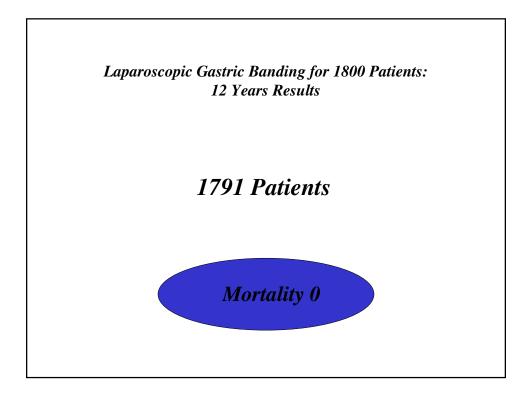
Laparoscopic Gastric Banding for 1800 Patients: 12 Years Results

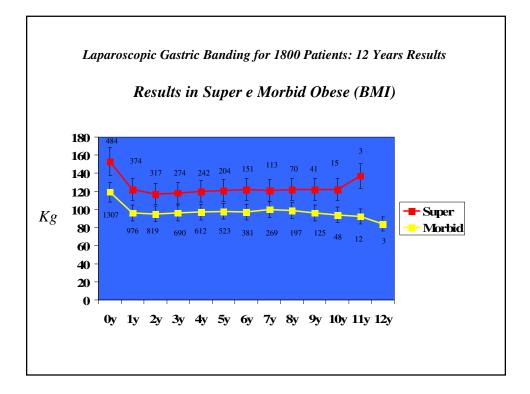
Our Series

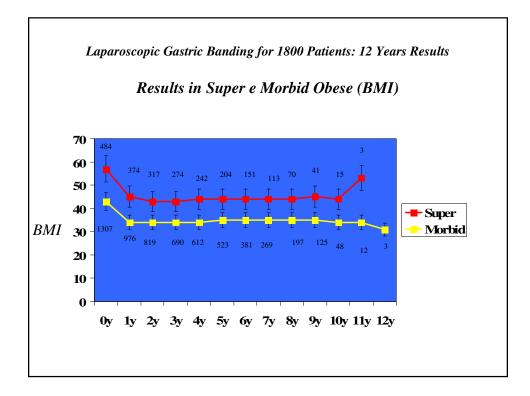
(Septembre 1993/ December 2005)

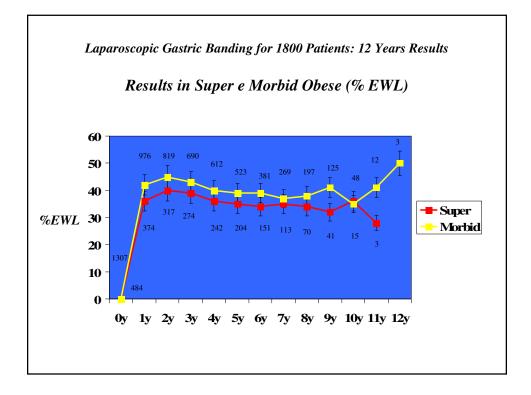
1791 Patients (F/M 1345/446)



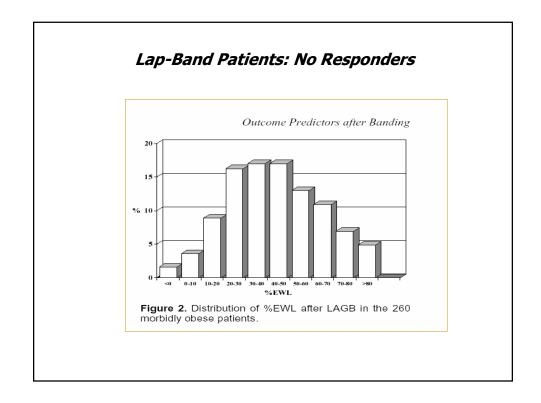


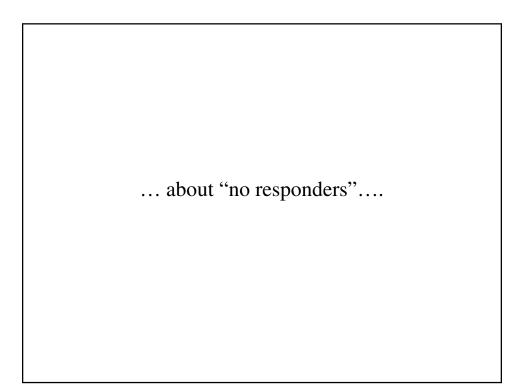


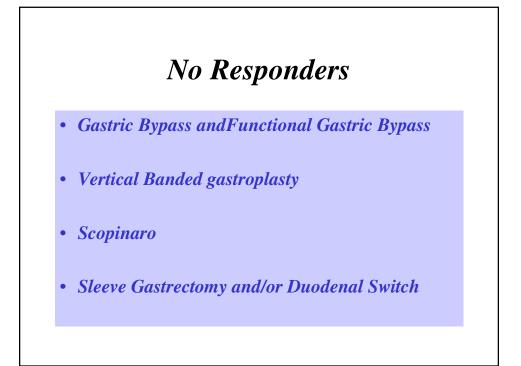


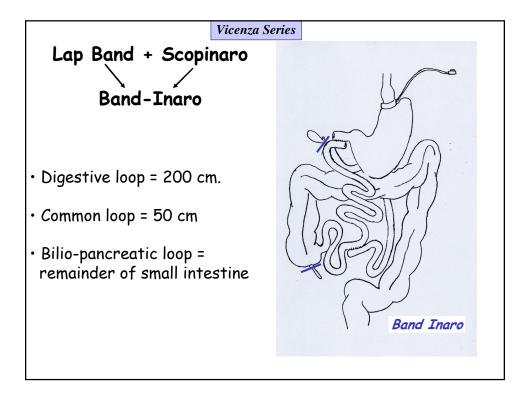


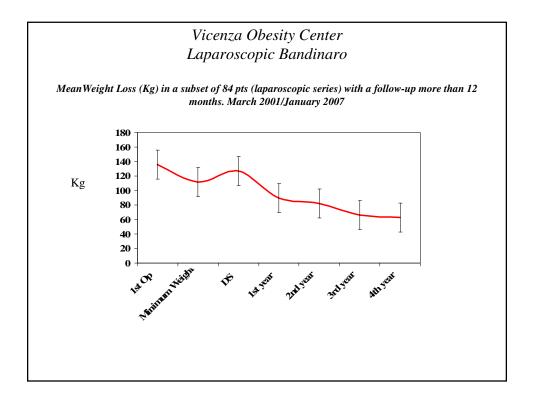
major Complical	ions Requ	iring Reoperat	on (106/1791 pts.; Sept 1		93-Dec 2005
Complications	Number	Rate of Complications	Reoperation	Number	Rate of Reoperation
Stomach Slippage +	70	3.9%	Removal	20	1.1%
Pouch Dilatation			Repositioning	50	2.8%
Erosion	16	0.9%	Removal	16	0.9%
Psychological Intolerance	14	0.7%	Removal	Removal 14 Removal 5	0.7%
Miscellaneous (HIV, Infections, Microperforation)	5	0.27%	Removal		
Gastric Necrosis	1	0.05%	Gastrectomy	1	0.05%
Total	106	5.9%	Total	106	5.9%
Unsatisfactory Results	41	2.3%	• BPD	5	0.27%
(Lack of Compliance)			Removal	12	0.7%
			"BandInaro"	24	1.3%

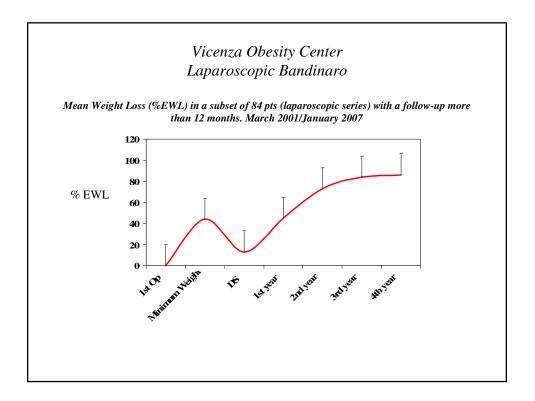


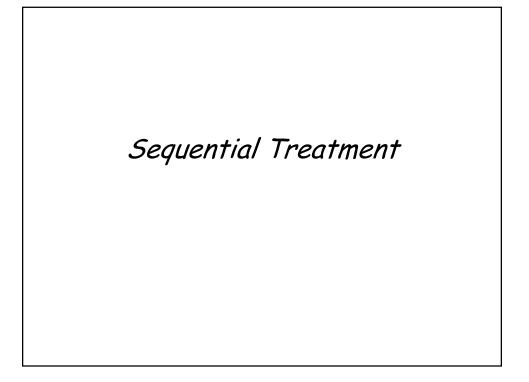


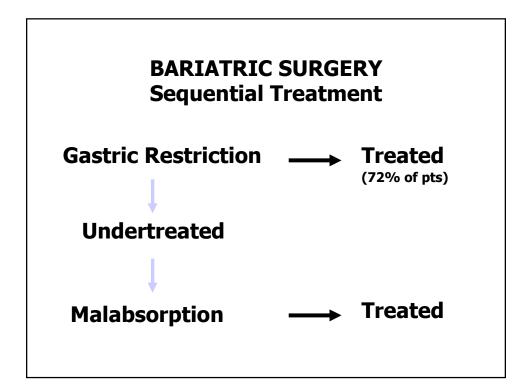


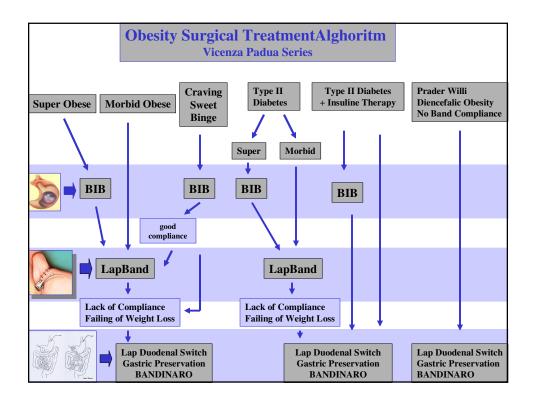


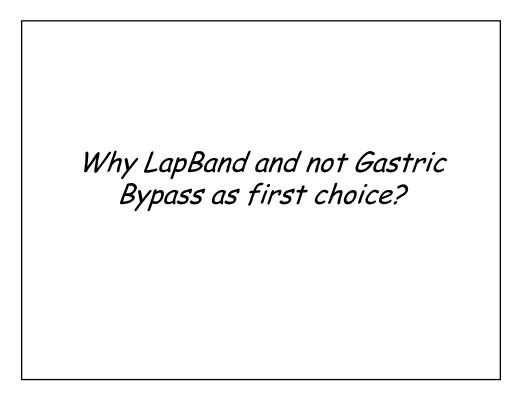


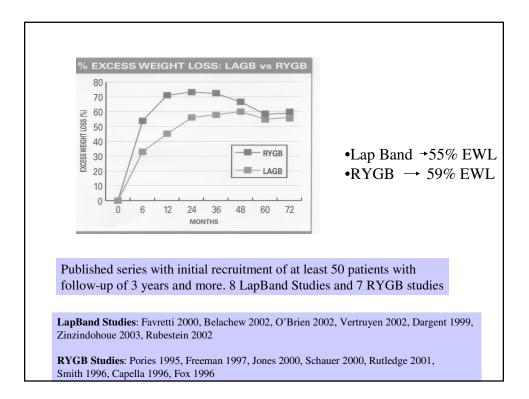


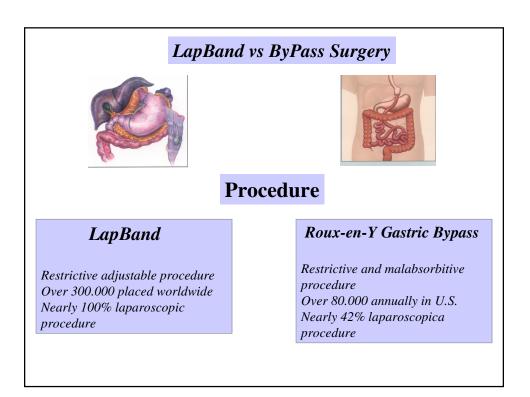


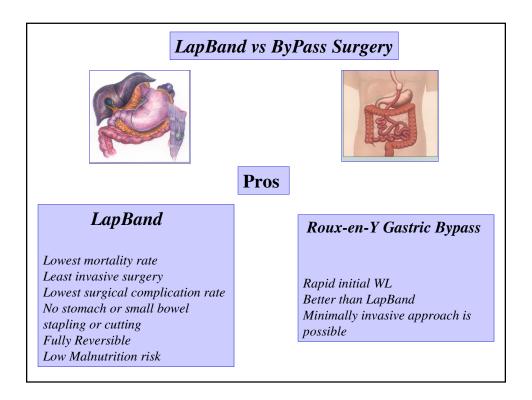


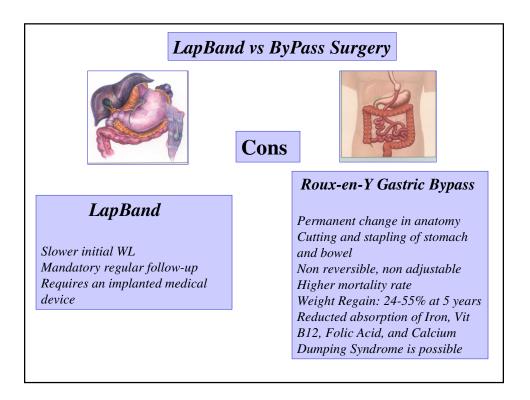


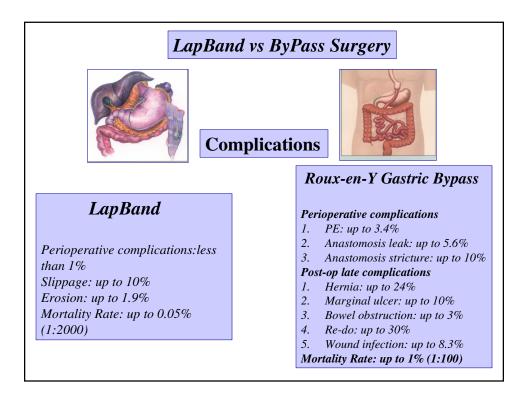


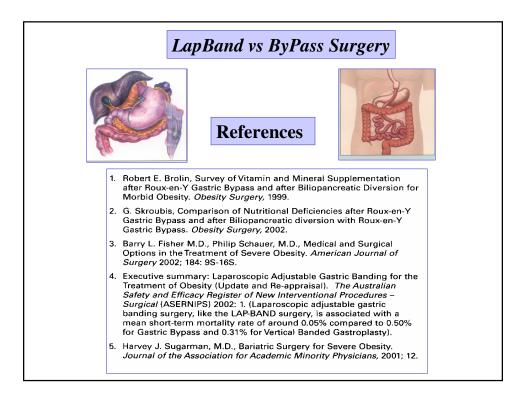












Early Mortality Among Medicare Beneficiaries Undergoing Bariatric Surgical Procedure

DR Flum, L Salem, JAB Elrod, EP Dellinger, A Cheadle, L Chan

Jama, 2005; 294: 1903-1908

Thyrty-day, 90-day and 1-year postsurgical all-cause mortality among **16155** *patients undergoing bariatric procedures*

81.2% of pts underwent to RYGBP 18.8% of pts underwent to other surgery (VBG or revisional surgery)

Mortality Rate After Bariatric Surgery, by Age and Sex				
			Mortality Rate, %	
Age Category (y) and Sex	No.	30 Days	90 Days	1 Ye
<25 Women	450	0.7		
Men	150	0.7	1.3	2.0
Subtotal	53	0.0	1.9	1.9
	203	0.7	1.5	2.0
25-34 Women	1341	0.8	1.3	0.5
Men	486	2.1	3.3	2.5
Subtotal	1827			4.3
35-44	1627	1.1	1.8	3.0
Women	3288	1.0	1.5	2.7
Men	1121	3.2	3.7	5.6
Subtotal	4409	1.5	2.0	
45-54	4409	1.5	2.0	3.4
Women	4214	1.1	1.8	3.1
Men	1191	4.5	5.4	7.7
Subtotal	5405	1.9	2.6	4.1
55-64	0400	1.0	2.0	4.1
Women	2126	2.0	2.5	4.7
Men	668	2.1	3.1	6.9
Subtotal	2794	2.0	2.7	5.2
65-74		2.0	2.1	5.2
Women	1039	2.6	3.4	6.2
Men	342	5.8	8.2	12.9
Subtotal	1381	3.4	4.6	7.8
≥75				1.0
Women	85	18.8	28.2	40.0
Men	51	19.6	35.3	51.0
Subtotal	136	19.1	30.9	44.1
Total	(16155)	2.0	2.8	4.6

