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INCISIONAL HERNIA

Abdominal wall repair with Fasciotens Hernia: first 16 consecutive cases in our referral center Michele SACCO & Giovanni BELLANOVA

Asl Brindisi-Po Camberlingo-Francavilla Fontana (Italy)

Dim

We reported our experience of 13 consecutive cases for abdominal wall reconstruction by the use of The Fasciotens® Hernia device

Material & Methods

Fasciotens® Hernia device is used to stretch the fascia in a measurably controlled manner to achieve tension-free abdominal closure. Everypatient made a TC scan preoperatively. The main principle of the device is the application of dynamic vertical traction along both fascial marginsover a clamping system. The applied traction force is adjustable along a range of 0-100 N (Newton) as presented on the varying coloured felds ofthe longitudinal beam

Results

We performed this tecnique on 16 patients: 9 Males, 7 Females. Mean age was 62 years and mean ASA 2,7. Abdominal defects were all evalueted with a TC scan and re-mesaured intraoperatively. Mean traction was 30,3 minutes with a mean force of 17.8 kgs. We registered a mean reduction of defect's width from 14.8 to 8.8 cm. A Rives reconstruction was performed in 8 cases; in 5 patients was performed a TAR (in 3 even a Posterior Componet Separation) and in two cases we performed a bridge technique. Mean operative time was 257 minutes. In 4 patients we treated conservatively a postoperative seroma; in another case was necessary an us guided aspiration of seroma. A patient died for complication related to the simultaneous pancreatic surgery performed. Follow up was at 3, 6, 9, 12 months. We registered only 2 partial recurrences.

Conclusions

Abdominal wall reconstruction with Fasciotens device is a safe procedure that can permit primary reconstruction in large defects.

	SEX	AS	AG				TRACTION		RECON	MESH	CD.
		A	E		BEFORE		DURATION		STRUCTIO		
				S	WIDTH	AFTER	MINUTES	KG	N		
						WIDTH					
1	M	3	73	190	12 cm	5 cm	30	16	Rives	DynaMes	II
										h	
2	F	2	51	265	13 cm	7 cm	25	18	TAR	Ventra	II
										light	
3	М	3	67	300	16 cm	8 cm	40	18	Rives	Ventra	0
										light	-
4	F	2.	56	170	18 cm	12 cm	25	18	TAR	Ventra	II
1.	-	_								light	
5	М	3	51	205	18 cm	12 cm	45	16	Posterior	Permacol	0
									Bridge		
6	F	3	73	180	18 cm	10 cm	30	18	Posterior	Ventra	V
			, ,	100	10 0111	10 0111	50		Bridge	light	
7	М	2	54	240	12 cm	6 cm	25	18	Rives	DynaMes	0
ľ		~	٠.		12 0111	0 0	23		10.705	h	
8	М	2	57	255	17 cm	11 cm	30	18	Rives	Ventra	II
		_	٠,		1, 0111		50		101105	light	
9	М	3	69	220	16 cm	9 cm	30	18	Rives	Ventra	0
	141	,	0,	220	TO CIII) Cili] 30	10	Icives	light	0
1	F	3	71	240	13 cm	8 cm	30	18	Rives	Ventra	0
o		,	/ 1	240	15 cm	o cm] 30	10	Icives	light	0
11	F	3	46	195	10 cm	6 cm	30	18	Rives	Polipro	IIIb
1	F	3	88	150	10 cm	5.5 cm	30	18	Rives	Ventra	0
2			00	1.50	10 0111	J.J CIII	50		10.705	light	
1	м	3	57	450	19 cm	13.5-11	30-20	18	PRC+TAR	Ventra	0
3	141	,	٥,	130	17 0111	cm	30-20	10	TICC: TAIC	light	0
1	F	3	60	480	17 cm	11 cm	30	19	PRC+TAR	Ventra	0
4	1.	3	00	480	1 / CIII	11 CIII	30	19	FRCTAR	light	0
1	м	2.	48	240	17 cm	7cm	30	18	Rives	Ventra	0
5	101		40	240	1 / CIII	/CIII	30	10	Kives	light	0
1	M	3	73	330	12 cm	10 cm	30	19	PRC+TAR	Ventra	0
6	1/1	3	/3	330	12 Cm	10 cm	30	19	FRCFIAR	light	U
-		2,7	62	257	14,8 cm	8.8 cm	30,3	17,8		ngiit	
		۷,/	02	231	14,8 Cm	0,0 Cm	50,5	1 / ,0			



