

MESH 2016

17 JUIN 2016

le traitement des hernies ombilicales, par
voie minimale invasive prepéritonéale

Marc Soler, Cagnes sur Mer
Club Hernie





CLUB-HERNIE FRENCH REGISTRIES

Jean-François Gillion (PARIS- France)



a team of French 'Parietalists'

French team of ≈ 30 surgeons

Specially interested in
parietal surgery

Academic or not

Public or private practice

Gathering all their parietal operative data
In ventral and inguinal registries

Bonjour Jean-François GILLION ; dernière connexion le 14 ju

Home | Mon Profil | Mes Emails (0) | Mon CV | Mes Publications (1) | Mes News (1) | Mes Patients (238)
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Statistiques des utilisateurs

Dr Gérard FROMONT :	631 affiliation(s)
Dr André DABROWSKI :	649 affiliation(s)
Dr Mathieu BECK :	418 affiliation(s)
Dr Marc SCLER :	388 affiliation(s)
Dr Constantin ZARANIS :	322 affiliation(s)
Dr Jean-François GILLION :	276 affiliation(s)
Dr Jean-Pierre COSSA :	274 affiliation(s)
Dr Philippe WOO :	273 affiliation(s)
Dr Claude JACQUIN :	251 affiliation(s)
Dr Jean-Michel CHOLLET :	234 affiliation(s)
Dr Eric MAGNE :	232 affiliation(s)
Dr Jean-Luc CARDIN :	198 affiliation(s)
Dr PHILIPPE TIRY :	188 affiliation(s)
Dr FLORENT JURCZAK :	169 affiliation(s)
Dr Nathalie LETOUX :	169 affiliation(s)
Dr Philippe CHASTAN :	161 affiliation(s)
Dr Alain BONAN :	160 affiliation(s)
Dr Marc LEPERE :	120 affiliation(s)
Dr André LACROIX :	110 affiliation(s)
Dr DURCQ :	104 affiliation(s)
Dr DOMINIQUE FRAMERY :	94 affiliation(s)
Dr CHRISTOPHE BERNEY :	85 affiliation(s)
Dr PATRICK LEDAGUENEL :	61 affiliation(s)
Pr Alain GAINANT :	45 affiliation(s)
Pr Jean-Pierre FAURE :	39 affiliation(s)
Dr Daniel PATERNE :	36 affiliation(s)
Pr Christophe BARRAT :	35 affiliation(s)
Dr DENIS BLAQUEZ :	27 affiliation(s)
Dr Jean-Michel LANTZ :	14 affiliation(s)
Dr Haiman KHALLI :	6 affiliation(s)
Dr Laurent BELLET :	1 affiliation(s)
Dr THIERRY DELANAY :	1 affiliation(s)
Dr Bernard DETRUIT :	1 affiliation(s)

Utilisateurs n'ayant affilié aucun patient

Pr Jean-Henri ALEXANDRE	Dr Sylvain AUVRAY	Pr Jean-Gabriel DALIQUE	Dr THIERRY BARTHES
Pr Jean-Luc BOUILLOT	Dr Didier CAZABAN	Pr Gérard CHAMPAULT	Dr Patrick CHOTASSO
Dr Dominique DEGRADOTE	Dr JEAN DELABY	Dr ULRICH DIETZ	Dr Benoît GIGNOUX
Dr Nathalie GONZALEZ	Dr Lionel GUILBERT	Dr Patrick JULIENNE	Pr François LACANNE
Dr SERGE MONTAGNE	Dr FILIP MUYSCOMS	Dr Jean-Philippe NESSELER	Dr Eric OLAGNE
Pr Jean-Pierre PALOT	Dr Édouard PELLISSIER	Dr Xavier POUJET	Pr SERGE ROHR
Dr Jean-Michel TORTUYAUX			

www.club-hernie.com

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From February 2011 To February 2015

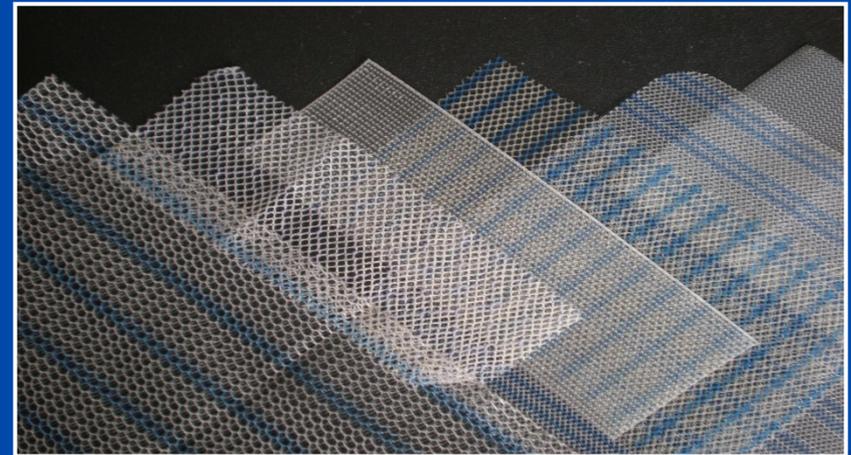
N = 230 ventral hernias

N = 120 OMBILICAL HERNIAS

N = 112 WITH PREPERITONEAL MESH



N = 92



N = 20

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From February 2011 To February 2015

N= 120 OMBILICAL HERNIAS

FASCIAL SUTURE N=5

LAPAROSCOPIC PROCEDURE N=3

PRE PERITONEAL MINI INVASIVE N= 112



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N= 112 OMBILICAL HERNIAS

- Mean follow up: 3-51 months
- Rate of follow up: 85%
- 79 MEN, 33 WOMEN
- PRIMARY: 108; SECONDARY: 4
- ANESTHESIA
 - GENERAL LARYNGEAL MASK: 65
 - GENERAL WITH INTUBATION 7
 - LOCO REGIONAL WITH SEDATION: 35
 - PERI OMBILICAL BLOCK : 5

OUTCOME AND REVIEW

- CLINICAL EXAMINATION
- AT 10 days
- At one month
- At 3 months for patient with $EVA > 0$ at one month
- At one year
- Phoning at 2 years
- Late phoning...

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N= 112 OMBILICAL HERNIAS

■ HOSPITAL STAY

- DAY SURGERY: N=106 (88%)

COMPLICATIONS

SUPERFICIAL SEROMA 2

Local umbilical necrosis: 2

Deep infection: 1, with chronic fistulae

RECURRENCE: 1 Good result after reoperation





HOSPITAL STAY DAY SURGERY



Open pre peritoneal approach:	71,5%	N= 220
Open intra peritoneal approach:	66%	N= 330
Coeliscopic Approach:	50%	N= 739



Per operative complications

Open pre peritoneal approach:	N= 220	None
Open intra peritoneal approach	N= 347	1 severe bleeding 1 other
Coeliscopic Approach:	N=433	2 severe bleeding 1 small bowel injury(resection) 1 other 1Medical Complication Reoperation: 2



Complication on the operative site

Open pre n=222

open intra N= 347

Coelio n=403

Uninfected superficial collection:	7(3,15%)	1	9 (2,20%)
Deep uninfected collection	0	1	1
Infected superficial collection:	1	2	1
Deep infected collection	0	0	1

Post operative complication

post operative small bowel obstruction	0	0	5
Peritonitis	0	1	0
Intra peritoneal hemorrhage	0	1	0
Reintervention	0	6	2



VA SCALE 8th day



Open pre peritoneal N=112	Open intra peritoneal N=265	coelioscopic approach N=330
VAS=0 : 96 (86%)	149 (56%)	36 (17,9%)
VAS=1-3: 11 (10%)	99 (37,35%)	104 (51,7%)
VAS=4-6: 4 (3.5%)	16 (6%)	53 (26,3%)
VAS=7-9: 1 (0.90%)	1 (0,3%)	8 (3,9%)



VA SCALE ONE MONTH



Open pre peritoneal
N=112

Open intra peritoneal
N=279

coelioscopic approach
N=330

VAS=0 :	96 (86%)	259 (92,8%)	194 (58,8%)
VAS=1-3:	11 (10%)	19 (6,8%)	66 (20%)
VAS=4-7:	4 (3.5%)	1 (0,4%)	39 (11,8)
VAS=8:	1 (0.90%)	0	30 (9%)
VAS=10	0	0	1 (0,3%)



VA SCALE 3-6 MONTH DURING DAILY ACTIVITY



Open pre peritoneal

Open pre peritoneal

Coelioscopic approach

N=111

N=330

VAS=0: 11

VAS=0: 21

VAS=1-3: 5

VAS=3: 1

VAS=4-6: 1

VAS=7-8: 1



2th years outcome

	Open pre peritoneal N=70	Open intra peritoneal N=155	Coelioscopic approach N=222
No disorder	57 (92%)	113 (89%)	157 (83,5%)
gene	4 (6,5%)	9 (7%)	17 (9%)
Moderate Pain	1 (1,5%)	5 (4%)	11 (6%)
Important pain	0	0	2 (1%)



2th years outcome Gene

	Open pre peritoneal N=70	Open intra peritoneal N=155	Coelioscopic N=222
No gene	59 (95%)	115 (91,2%)	160 (85,1%)
Does not interfere the activities	2 (3,25%)	9 (7,15%)	19 (10,1%)
Allow to continue activities	1 (1,6%)	2 (1,75%)	9 (4,8%)
Less / preoperatine one	3	12	30
More/ preoperative one	1	1	2

2th years outcome

Patient appreciation



	Open pre peritoneal	Open pre peritoneal	Coelioscopic approach
	N=70	N= 127	N=222
Excellent	26 (42%)	49 (38,6%)	69 (36,7%)
Good	32 (51,5%) <u>93%</u>	66 (52%) <u>90.6%</u>	103 (54,8%) <u>91.5%</u>
Average	3 (5%)	9 (7%)	15 (8%)
Bad	1 (1,5%) 6.5%	3 (2,4%) 9.4%	1 (0,5%) 8.5%

Conclusion



The use of the extra peritoneal mesh is an easy and safe technique
With less specific risk than the laparoscopic approach

The use of the target mesh makes it easier to unroll the prosthesis in
the Preperitoneal space.



PROSPECTIVE STUDY

- Post operative pain/ QOL
- Low recurrence rate

