

COVAMESH

Prothèse biface pour
implantation intra-péritonéale

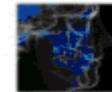
JP COSSA / Club Hernie / Club Coelio



Société BIOM UP



Biom 'Up Key Timeline Dates



2005

Creation of
biom'up
ADVANCED BIOMATERIALS

ISO 9001
and ISO 13485
certifications



2006

2007

Approval and
development of
the first OEM
products



Raised
1,5 M€

2008

2009

CE marking
and launch
of the **COVA™**
and **MATRI™** ranges



Raised
3 M€

2010

First **FDA**
510(k) approval,
for **COVA™MAX**
ranges

2011



Raised
6,8 M€

Over
100 000
medical devices
implanted in Europe

2012

CE marking
and launch of the
HEMOSNOW™
range
Second **FDA**
510(k) approval, for
COVA™ORTHO NERVE

2013

CE marking
and launch of the
COVAMESH™
range

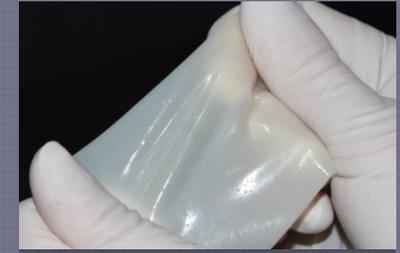
Certified to ISO 13485
and ISO 9001

by the 
and by  group

Cova™ + est une membrane de cicatrisation guidée et de prévention des adhérences.

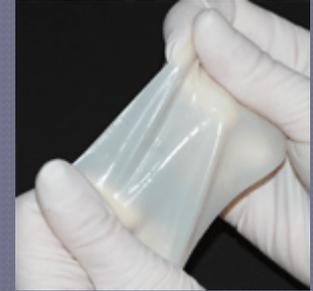
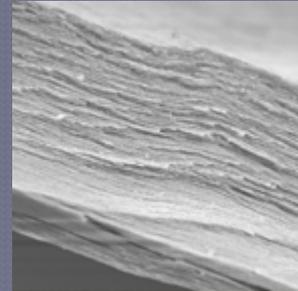
❖ Caractéristiques et avantages

- Produit **innovant** dans sa galénique et sa composition
- Membrane très **résistante**
- Grande **facilité d'utilisation** en laparotomie comme en laparoscopie
- Grande **efficacité** essentiellement due à son temps de résorption (2-3 mois)
- Réinterventions plus simples et plus sûres



COVA™
ABDO

- Maitrise du Collagène
- Membrane **COVA**



- Adossement à une prothèse Polyester
- Prothèse biface **COVA-MESH**



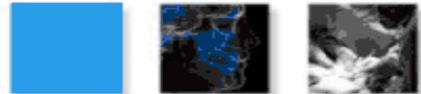
Caractéristiques



COVAMESH™

Two-sided wall reinforcement combining COVA™ technology, a collagen membrane for adhesion prevention, already used in a number of surgical applications, with a 3D polyester textile.

TM



❖ PRODUCT ADVANTAGES

- **Ultra-resistant collagen membrane** *creating using patented (FR2944706) COVA™ technology. Resorbable adhesion prevention barrier*



- **3D Textile** *for improved tissue integration*

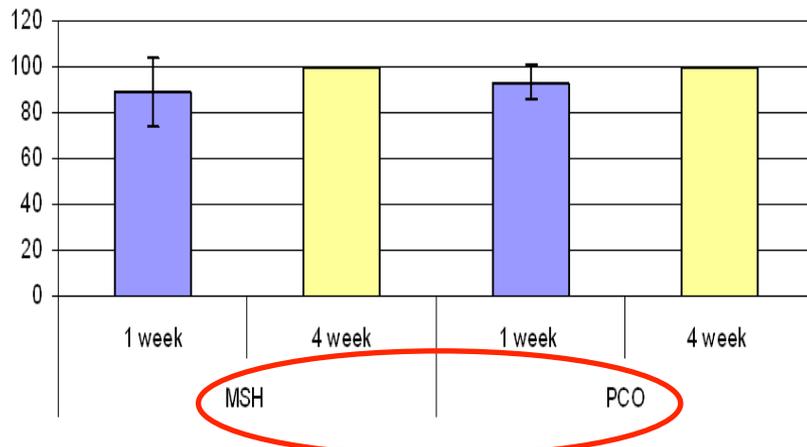


- **Textile with marking** *for easy placement*

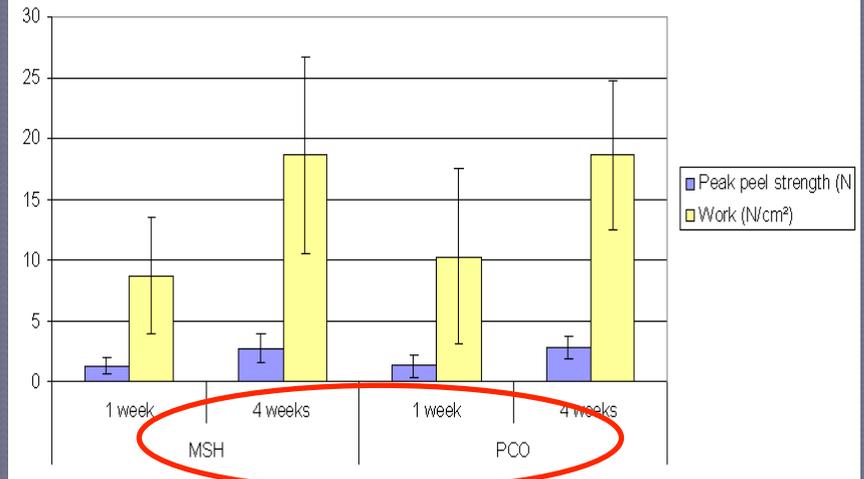


Données expérimentales

Macroscopical mesh integration

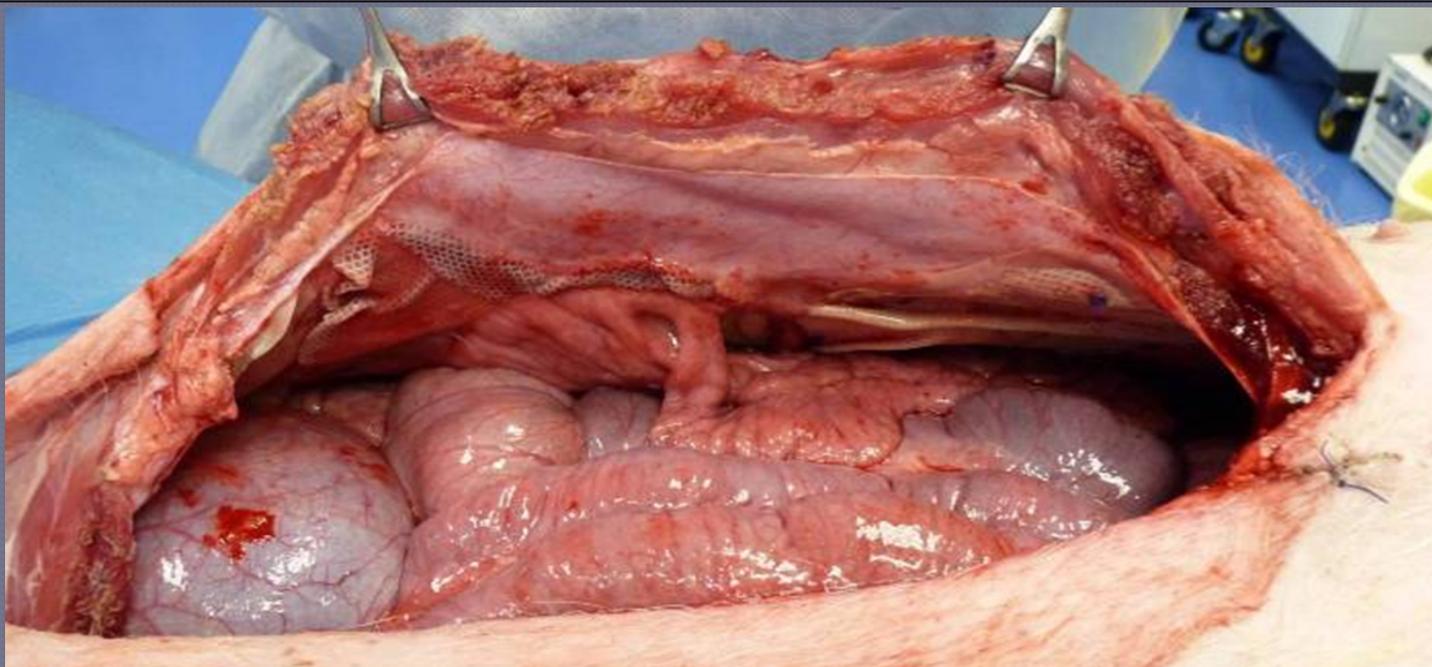


Biomechanical strength





Adhésiogénèse



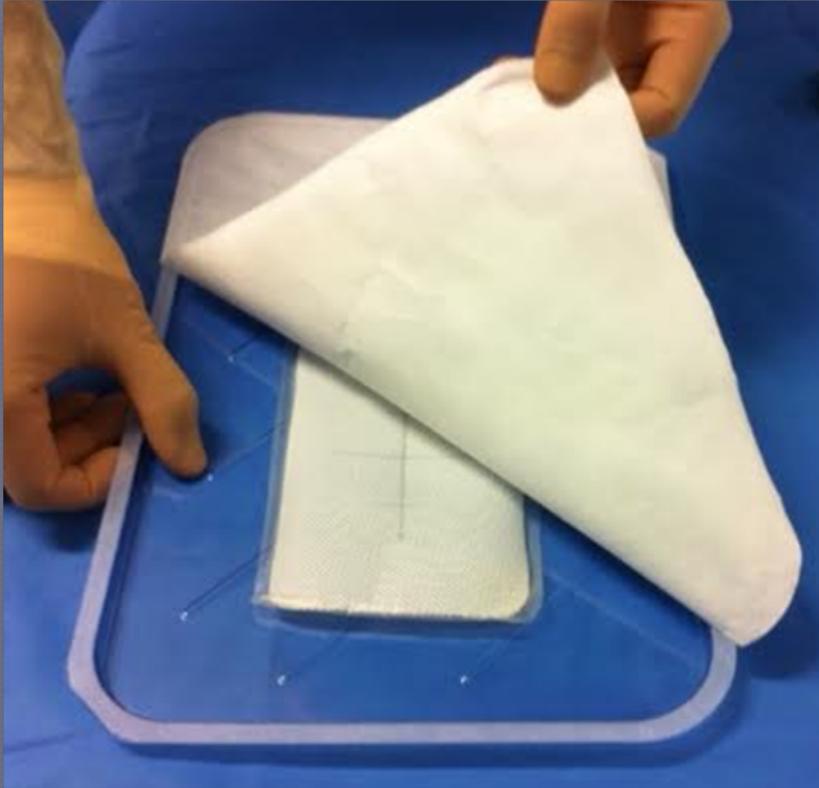
Article	Time period	Global incidence of tissue attachments to the mesh (small intestine or other tissues)	Incidence of the tissue attachments to the mesh with small intestines	Incidence of tissue attachments to the mesh with other tissues than small intestines
COVAMESH™	1 week	0/8	0/4	0/4
	4 weeks	1/10	0/5	1/5
PCO	1 week	2/8	0/4	2/4
	4 weeks	5/10	0/5	5/5

Emballage



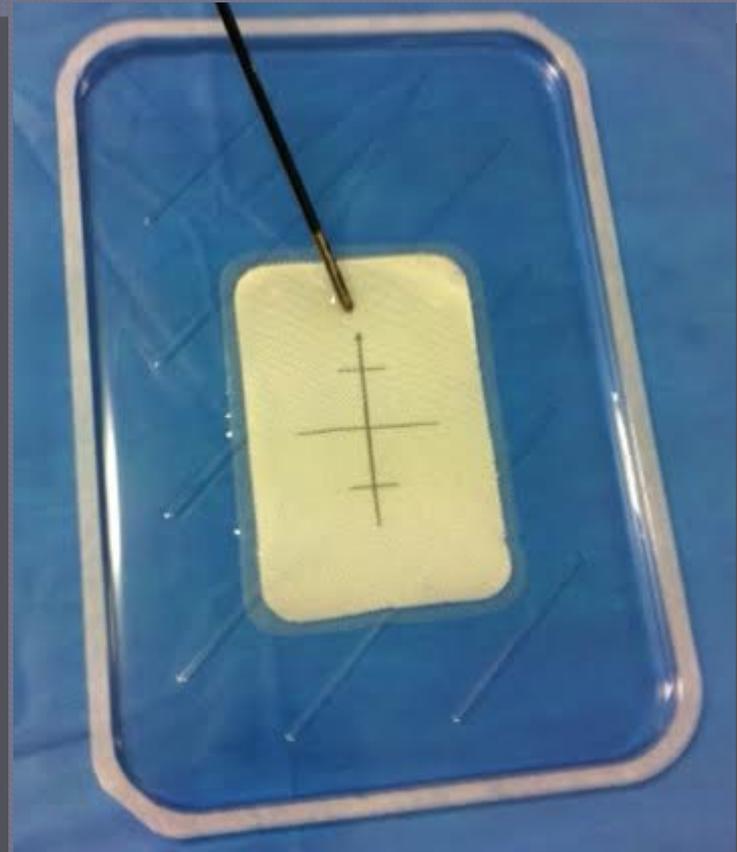


Demande anticipée



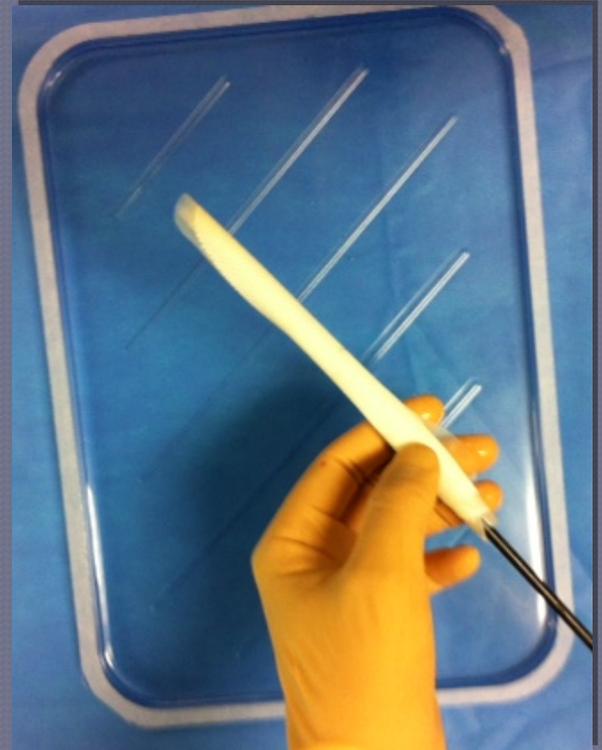
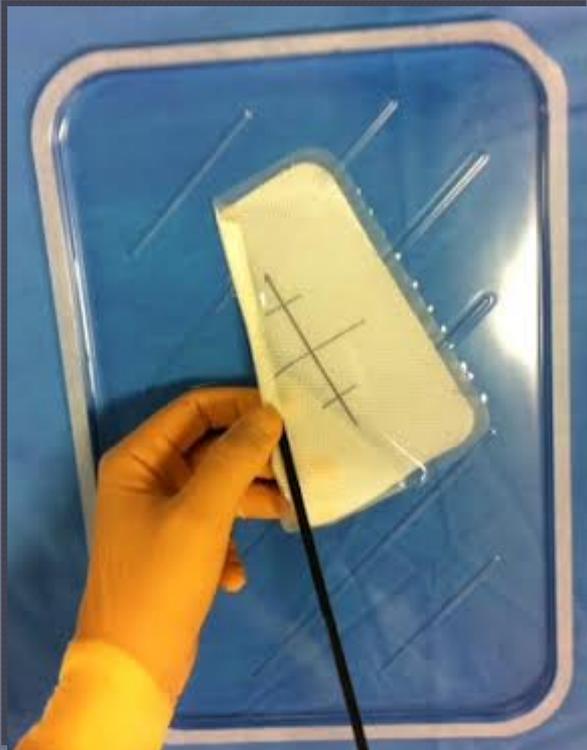


Temps d'hydratation





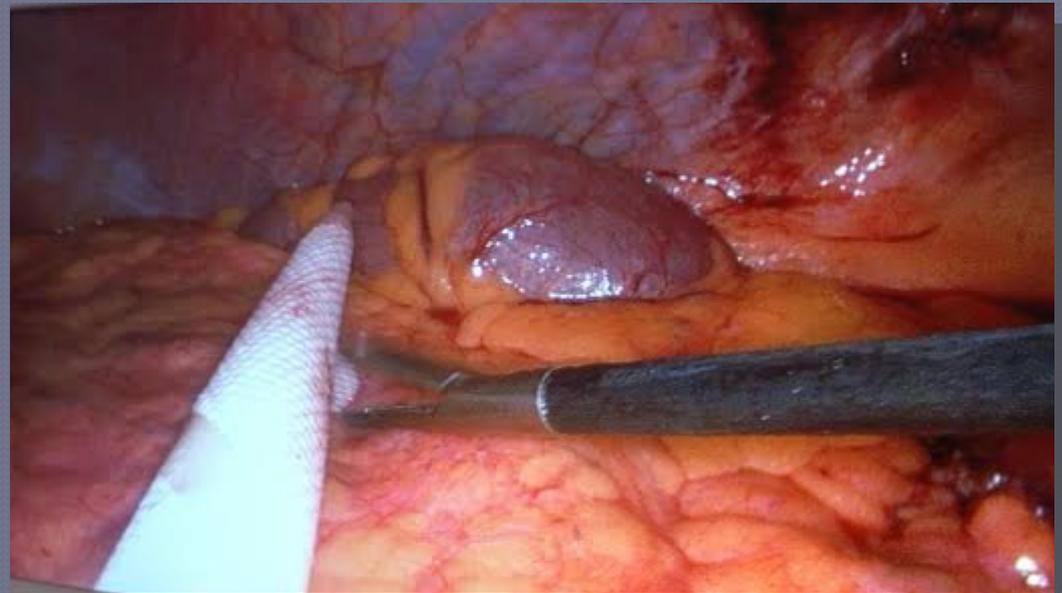
Enroulement face endo en dedans





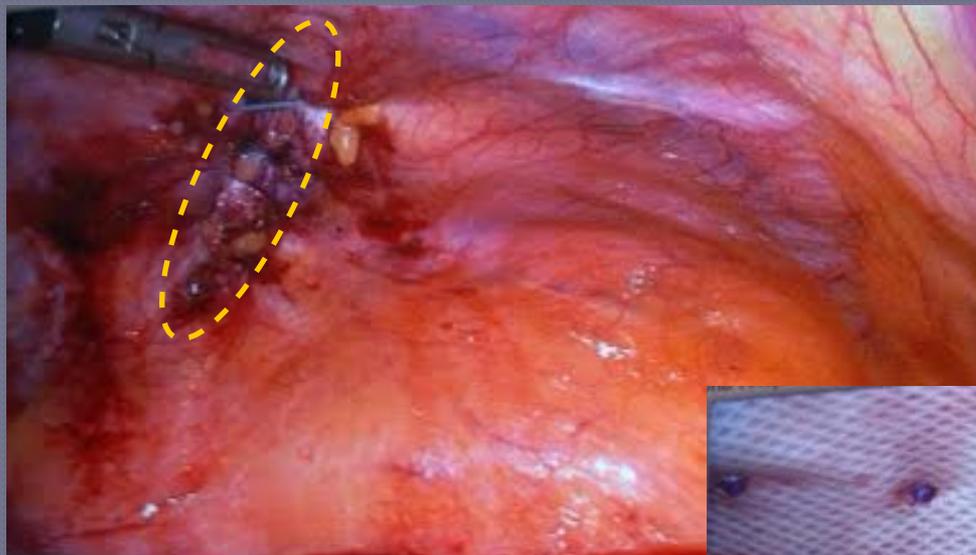
Introduction dans un trocart de 10

Insertion des tailles standards
dans un trocart de 10 mm



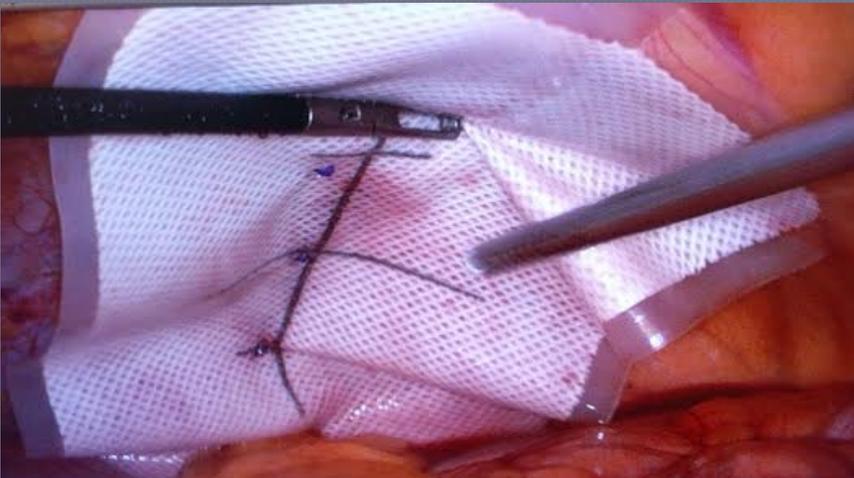
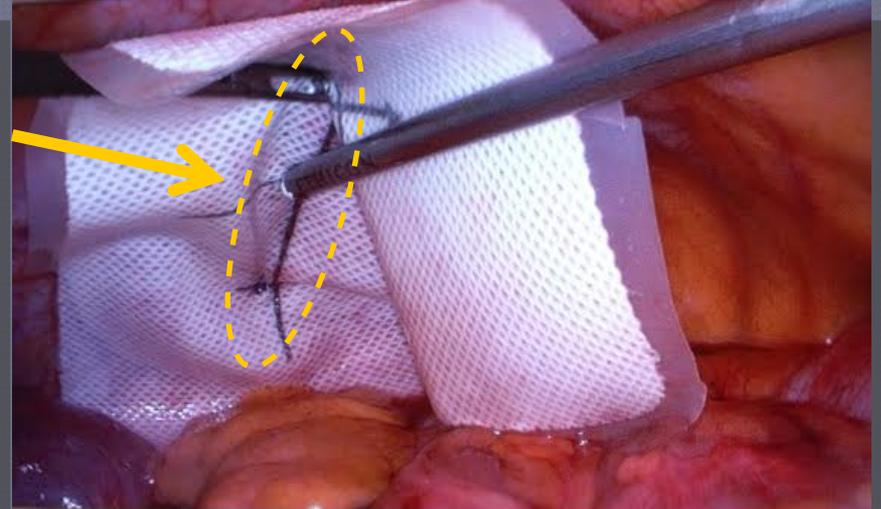
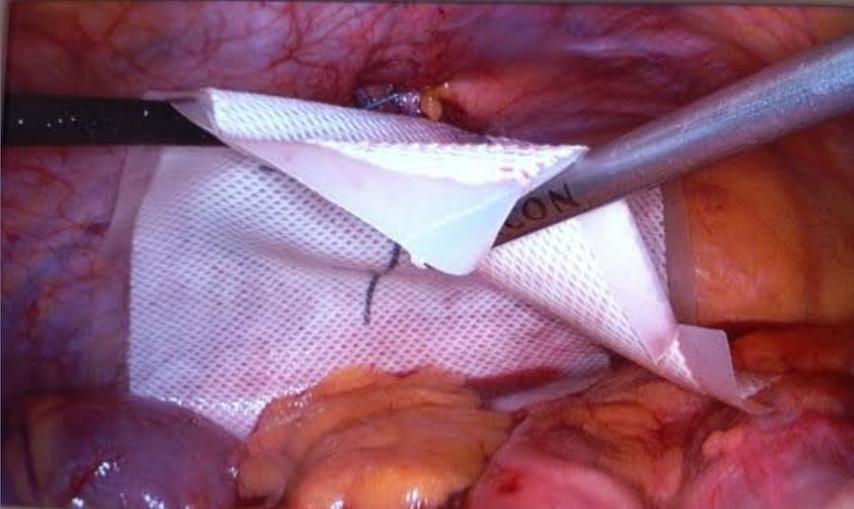


Repère axial





Repère de centrage





Casuistique



- Club Hernie

- 73 patients

- Registre prospectif

- Club Coelio

- 80 patients

- Étude en cours



Club Hernie

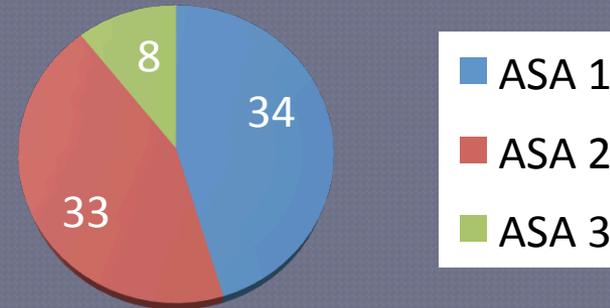
73 patients / juin 2013-Mai 2014

Opérateur	n
MAGNE	43
COSSA	15
ZARANIS	11
FROMONT	2
DUGUE	1
LEPERE	1



Club Hernie

- Age 57,8 ans
- 38F / 35H
- BMI 26,6



FDR	oui	non	nc
Activité Physique	25	48 (65%)	0
Act. prof. physique	17	56 (77%)	0
Tabac	21	51 (70%)	1
Hyperpression	12	60 (82%)	1
Multisite	13	60 (82%)	0



Club Hernie

- Hernie primaire: 46 patients
- Eversionation: 26 patients

1ère cure	2 ^{ème} cure	3 ^{ème} cure	>3 ^{ème} cure
12	6	6	2

- Eversionation para-stomiale: 1 patient



Club Hernie

○ Siège Médian:

Sus-ombilical	Péri-ombilical	Sous-ombilical
11	45	2

○ Siège Latéral:

Flanc	Iliaque	Lombaire
3	4	1



Club Hernie

◎ Taille prothèses

12 cm	16 cm	15/10 cm	20/15 cm	25/20 cm	30/20 cm
21	16	21	8	5	3

◎ DMS

0	1	2	>3
17	15	14	27



Club Hernie

- ◉ Temps opératoire: 38 mn (12-140)
- ◉ Conversion: 1 (Adhérences)

- ◉ Gestes associés:
 - Résection de sac: 32
 - Résection de grêle: 1
 - Suture vésicale: 1



Résultats

- Sepsis: 0
- Occlusion: 0
- Ré-intervention: 0

- EVA (30 patients)

J0	J1	J8	JJ30
5	4,9	3,8	0,8



Appréciations

Caractéristique	Satisfaisante	Non S.	nc
Souplesse	43	0	30
Insertion	43	0	30
Déploiement	43	0	30
Marquage	43	0	30
Repositionnement	43	0	30
Agrafage	43	0	30
Film anti-adhérentiel	43	0	30

⦿ Temps de pose: 3,8 mn (2-13)



Commandes

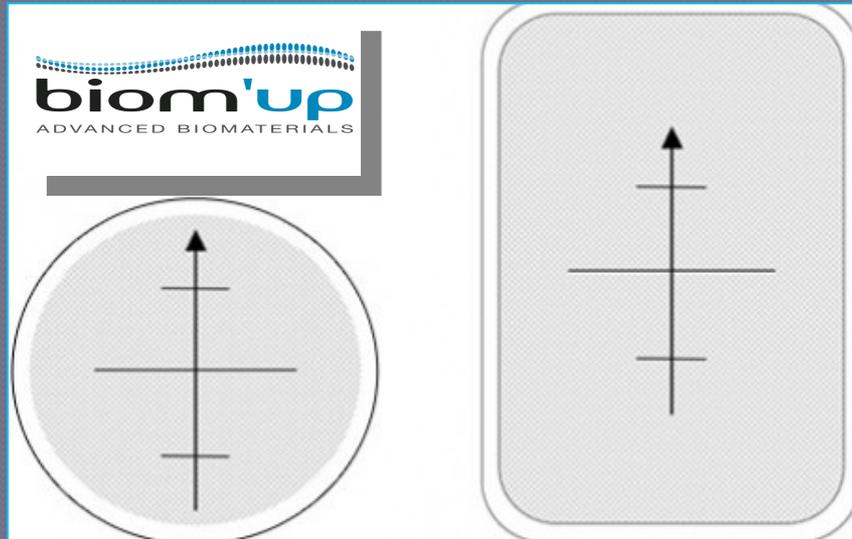
COVAMESH™
Programa de apoyo a la investigación biomédica
con el objetivo de mejorar la calidad de vida de los pacientes
a través de la innovación en biomateriales.

biom'up

biom'up
ADVANCED BIOMATERIALS



Dimensions



Dimensions	Références
ø 12cm	CVM12R
ø 16cm	CVM16R
15x10cm	CVM1510
20x15cm	CVM2015
25x20cm	CVM2520
30x20cm	CVM3020



Commander