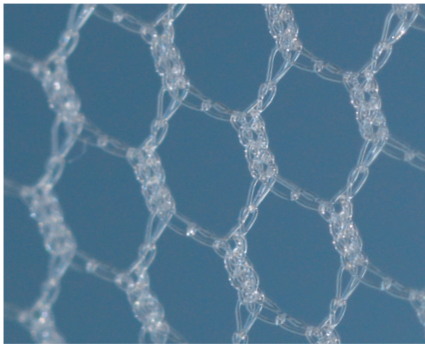
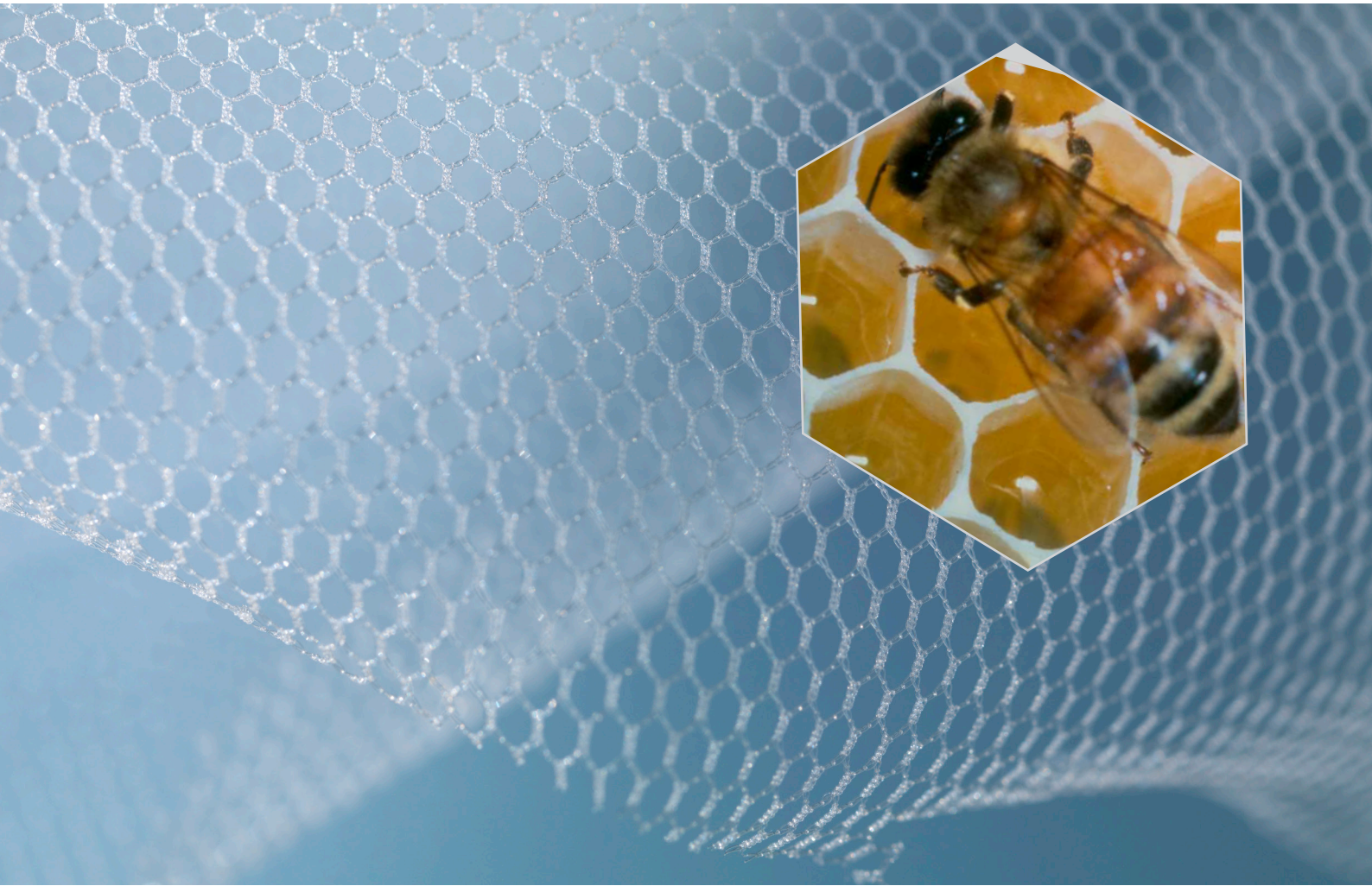


# A.M.I.® Mesh Implants: HexaPro

Product Group Laparoscopy | Issue 2/2016



**Engineered by nature.**

**A.M.I. HexaPro Mesh**

- Natural, ultralight, isoelastic mesh structure
- Promotes a high degree of patient comfort
- Designed to minimize post-operative pain

# A.M.I.® Mesh Implants: HexaPro

## State of the Art Technology...

...for the surgical treatment of inguinal hernias and as a preventive measure against incisional hernias when closing wounds.

### Monofilament polypropylene

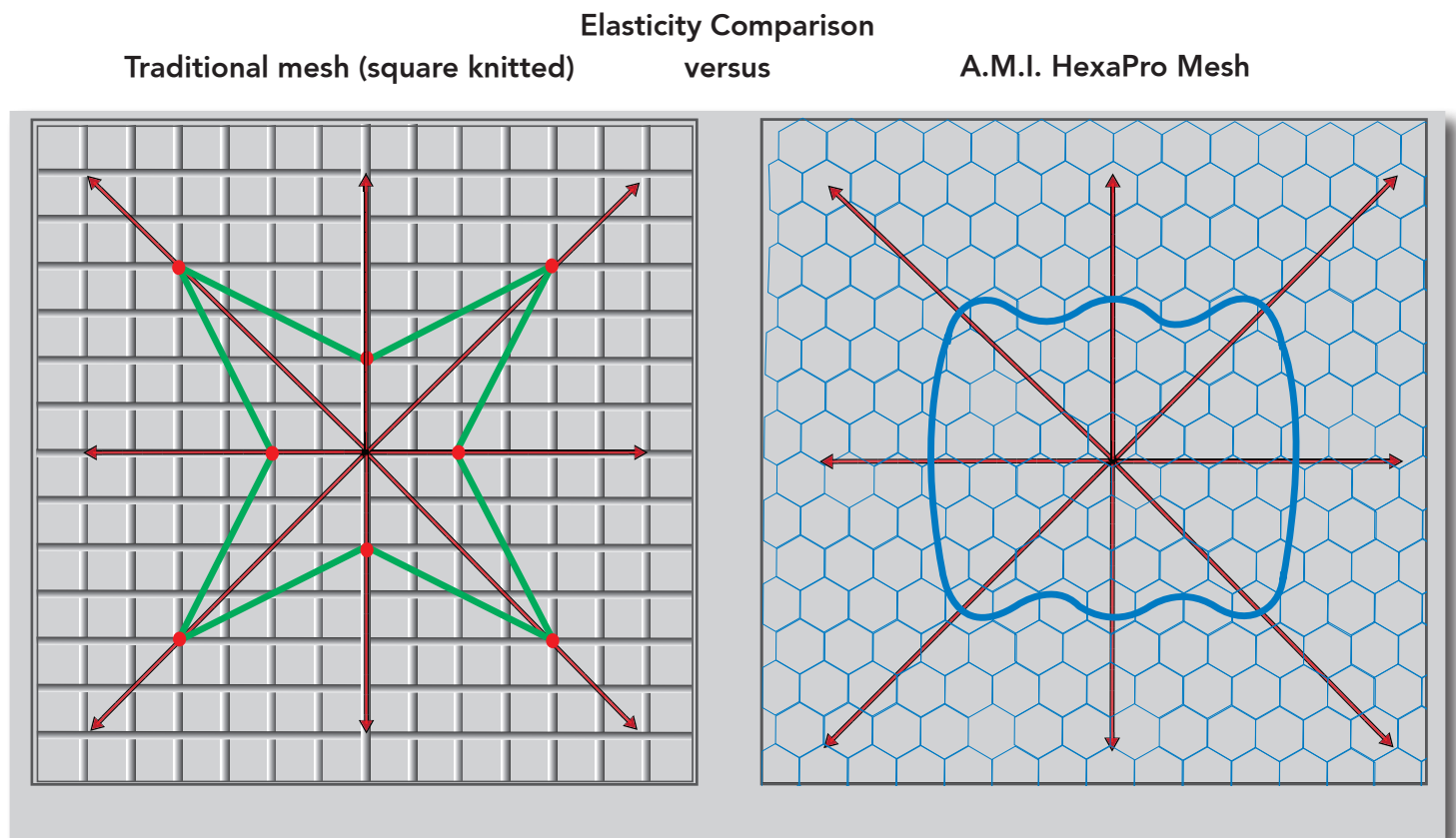
- The preferred material for hernia meshes for over 50 years
- Used for hernia repair by Dr. Francis Usher for the first time in the late 1950's
- Suitability for this application is evidenced by the long-term data available. No other material can boast such data

### Optimized elasticity in all directions

### Ultralight, optimized pore size and porosity

- Weight of 21 g/m<sup>2</sup>
- Foreign body reaction is minimized due to the very small reactive surface area
- Mesh characteristics offer best patient compliance and ensure rapid healing with minimal tissue reaction
- Pore size and porosity prevent tissue bridging

### Sufficient tensile strength



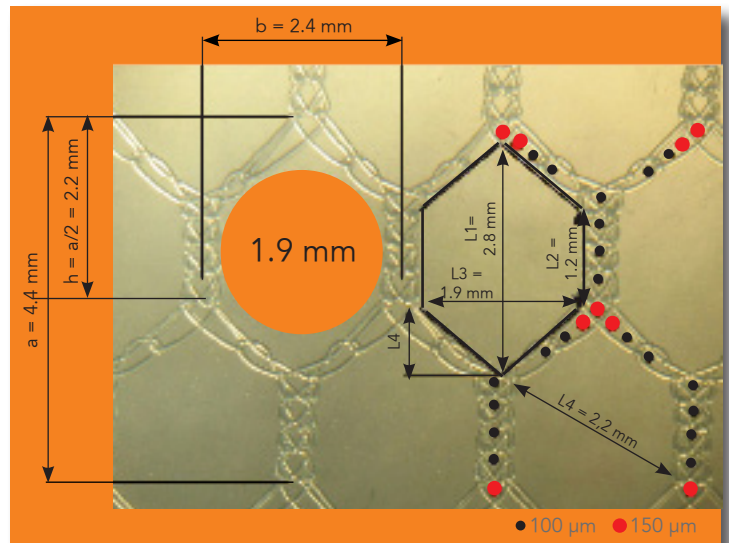
Ultralight weight + optimized elasticity  
= reduced foreign body reaction  
= less pain

# A.M.I.® Mesh Implants: HexaPro

What's the secret?

The largest  
macropores  
( $\geq 1.9$  mm)

The largest  
micropores  
(100 - 150  $\mu$ m)



## Lightweight meshes reduce post-operative pain!

### Relevant literature

Randomized, controlled studies comparing the influence of different mesh types (lightweight vs. heavyweight) on post-operative pain

### Lichtenstein procedure:

Post S., 2004

O'Dwyer P., 2005

Bringman S., 2006

### TEP and TAPP procedures:

Heikkinen T., 2006

Langenbach M., 2006

"For inguinal hernia repair, a mesh that is less dense, with less tensile strength offers a theoretical advantage, particularly given the setting of repair - the highly dynamic groin area"

**Functioning impairment and complaints following incisional hernia repair with different polypropylene meshes**

Welty G. et al.

Hernia : the World Journal of Hernia and Abdominal Wall Surgery  
01-SEP-2001; 5(3): 142-7

### HexaPro Mesh characteristics at a glance:

- Ultralight:	21 g/m <sup>2</sup>	- Extra large interstitial pore size:	100 - 150 $\mu$ m
- Monofilament polypropylene		- Tensile strength*:	> 16 N/cm
- Thickness:	0.38 mm	- Resistance to mechanical penetration:	113 N
- Pore size:	1.9 mm	(Ball burst procedure)*	
(Equivalent diameter)			

\* tested according to ASTM D882



# A.M.I.® Mesh Implants: HexaPro

Order Code	Product	Technical Details
HPM1011	<b>HexaPro Mesh 10 x 12</b>	Size: 10 x 12 cm
	Ultralight, monofilament polypropylene mesh for the surgical treatment of inguinal hernias and as a preventive measure against incisional hernias when closing wounds	Box of 5, delivered sterile
HPM1061	<b>HexaPro Mesh 10 x 15</b>	Size: 10 x 15 cm
	Ultralight, monofilament polypropylene mesh for the surgical treatment of inguinal hernias and as a preventive measure against incisional hernias when closing wounds	Box of 5, delivered sterile
HPM1021	<b>HexaPro Mesh 15 x 15 (Multi-size)</b>	Size: 15 x 15 cm
 	Ultralight, monofilament polypropylene mesh for the surgical treatment of inguinal hernias and as a preventive measure against incisional hernias when closing wounds  Special markings on the inner sterile packaging allow the mesh to be cut down to the required size with ease. Size of markings: TAPP/TEP: 15 X 15 cm 13 X 13.5 cm 10 X 12 cm Lichtenstein: 8 X 10 cm 6 X 8 cm	Box of 5, delivered sterile
HPM1031	<b>HexaPro Mesh 30 x 30</b>	Size: 30 x 30 cm
	Ultralight, monofilament polypropylene mesh for the surgical treatment of inguinal hernias and as a preventive measure against incisional hernias when closing wounds	Box of 5, delivered sterile
HPM1041	<b>HexaPro Mesh 6 x 30</b>	Size: 6 x 30 cm
	Ultralight, monofilament polypropylene mesh for reinforcing the abdominal wall after midline laparotomy closure. Median line marking on mesh for precise positioning	Box of 5, delivered sterile
HPM1051	<b>HexaPro Mesh 6 x 40</b>	Size: 6 x 40 cm
	Ultralight, monofilament polypropylene mesh for reinforcing the abdominal wall after midline laparotomy closure. Median line marking on mesh for precise positioning	Box of 5, delivered sterile
HPI1010	<b>HexaPro Introducer</b>	1 unit, delivered non-sterile
	Premium multi-use instrument of stainless steel with atraumatic tip. For insertion of the HexaPro Mesh through 5 mm trocars during laparoscopic hernia surgery	

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