

**> Engineered by nature.
The Hexapro Mesh from A.M.I.**

This natural, ultralight, isoelastic mesh structure:

- promotes a high degree of patient comfort and
- is designed to minimize post-operative pain.

A.M.I.® Mesh Implants

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/m²
- Foreign body reaction is minimised due to very low reactive surface area
- Mesh characteristics offer best patient compliance and ensure rapid healing with minimal tissue reaction
- Pore size and porosity prevent tissue bridging

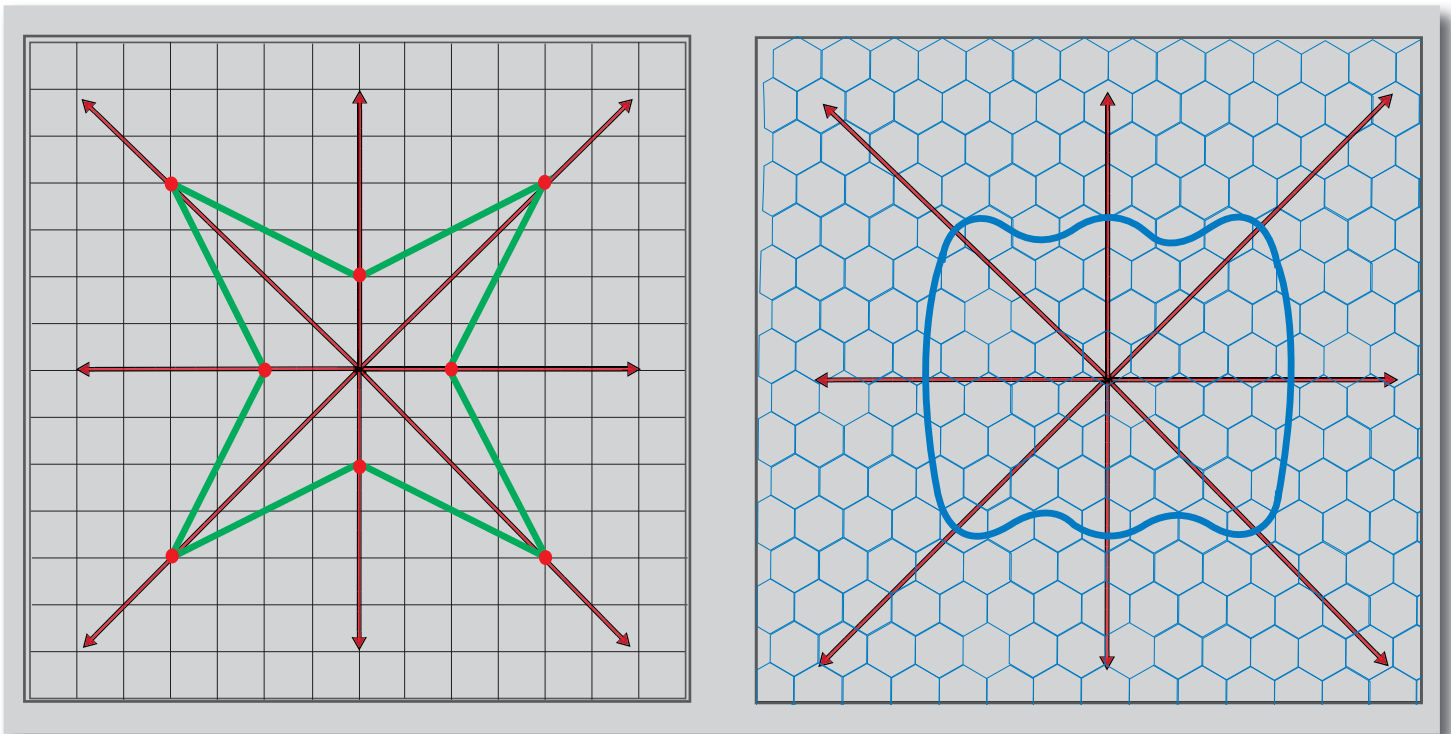
> Sufficient tensile strength

Elasticity Comparison

Traditional mesh (square knitted)

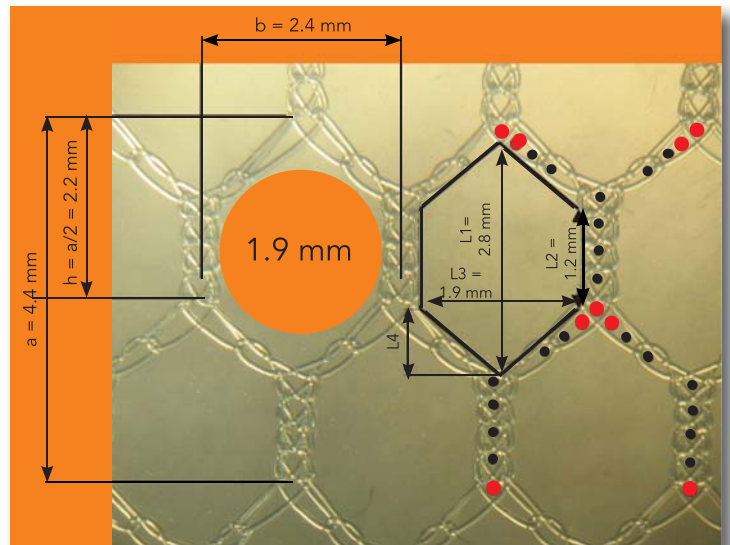
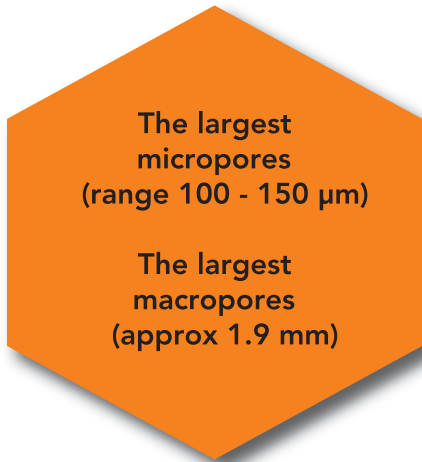
vs.

Hexapro Mesh from A.M.I.



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

HexaPro Mesh - What's the secret?



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

Mesh characteristics at a glance:

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

* tested according to ASTM D882

A.M.I.® Mesh Implants

Order Code	A.M.I. Mesh Implants	Technical Details
HPM1011	HexaPro Mesh 10 x 12 Ultralight, monofilament polypropylene mesh for the surgical treatment of inguinal hernias and as a preventive measure against incisional hernias when closing wounds	Size: 10 x 12 cm Box of 5, delivered sterile
HPM1021	HexaPro Mesh 15 x 15 Ultralight, monofilament polypropylene mesh for the surgical treatment of inguinal hernias and as a preventive measure against incisional hernias when closing wounds	Size: 15 x 15 cm Box of 5, delivered sterile
HPM1031	HexaPro Mesh 30 x 30 Ultralight, monofilament polypropylene mesh for the surgical treatment of inguinal hernias and as a preventive measure against incisional hernias when closing wounds	Size: 30 x 30 cm Box of 5, delivered sterile
HPM1041	HexaPro Mesh 6 x 30 Ultralight, monofilament polypropylene mesh for reinforcing the abdominal wall after midline laparotomy closure	Size: 6 x 30 cm Box of 5, delivered sterile

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