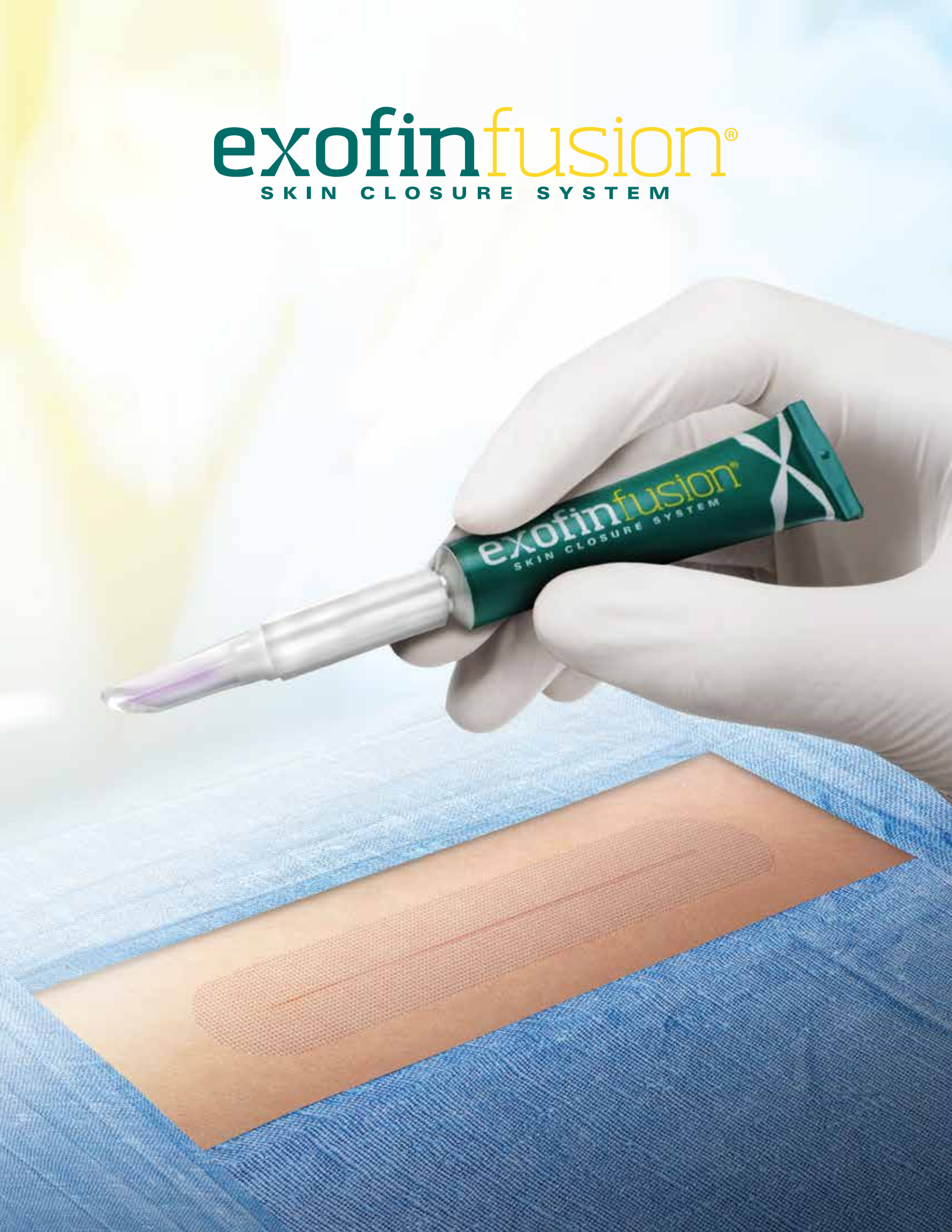
exofinfusion®

SKIN CLOSURE SYSTEM



IT STARTS WITH THE MESH

Initiator free mesh for less patient exposure.

exofin fusion® system removes all initiators from the mesh itself to reduce patient exposure. Instead, the initiator is delivered with the polymerized adhesive.

Extracted samples showed a **61% REDUCTION** in the amount of initiator that the patient could be exposed to.

KEEPING MESH ON THE SKIN

The **exofin fusion**® mesh pattern has larger openings which allow more adhesive to flow through the mesh and on to the patient's skin. The more open design allows the adhesive to create a stronger bond on the skin and keep the mesh secure and in place for the desired amount of time.

Unlike the competition, the **exofin fusion**® adhesive will polymerize (dry) on the patient's skin even if it is not directly on the mesh. This eliminates the need to clean up the wet adhesive that tends to get on surrounding areas during application.

Lastly, measured amounts of adhesive have been added to the kit providing just the right amount of adhesive for each size of mesh.

COMMON COMPLAINTS WITH SKIN CLOSURE SYSTEMS

1. **Blistering of the Skin**
2. **Allergic Reactions and Redness of Skin**
3. **Mesh Releasing from Skin Prematurely**

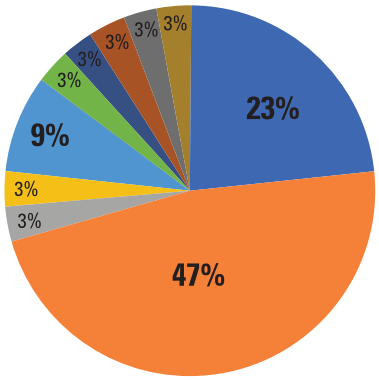
FDA Maude Database Reporting

After separating out the MAUDE database reports, blistering is a significantly larger issue with mesh + adhesive type devices than with the topical skin adhesive devices. Blisters are reported as co-symptoms for both skin closure systems and topical skin adhesives, mainly alongside contact dermatitis for both device types.

Standalone blistering is reported more consistently as an adverse event with skin closure systems (>20% of reports in 2017 and 2018). The major differences between the two devices are the addition of a polyester mesh AND where the accelerant is located within the device.

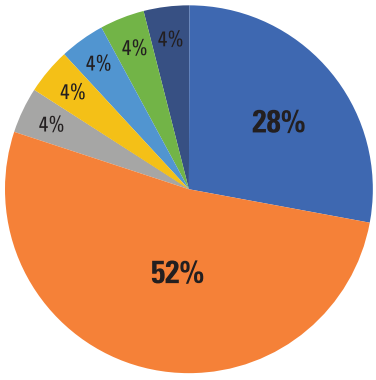
Medical Conditions Where Blisters Were Reported

2017



blister	23%
contact dermatitis	47%
reaction	3%
redness	3%
rash	9%
eschar	3%
drainage	3%
infection	3%
hematoma	3%
discoloration	3%

2018



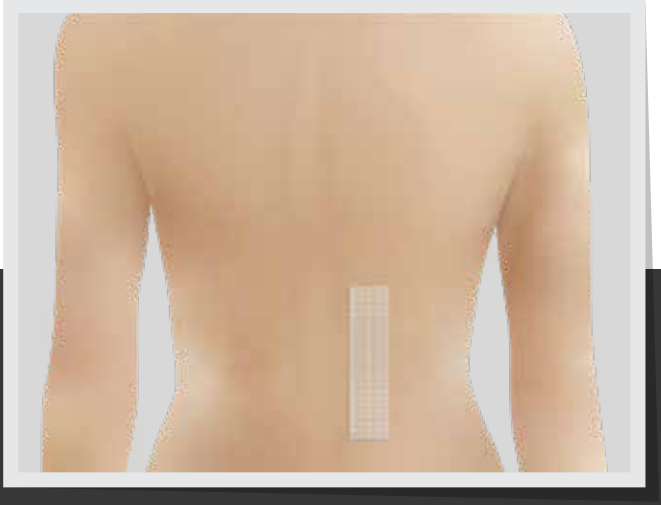
blister	28%
contact dermatitis	52%
redness	4%
pain	4%
ecchymosis	4%
inflammation and rash	4%
contact dermatitis, infection and dehiscence	4%

REDUCING SKIN STRESS & STRAIN

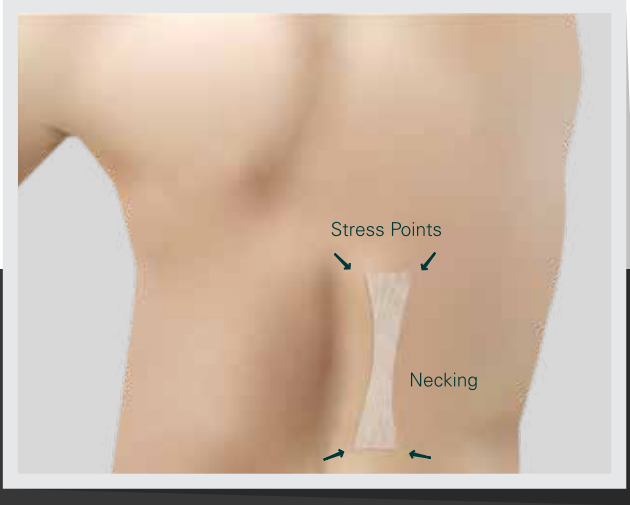
The traditional design of skin closure systems lend themselves to stress between the highly elastic skin and the rigid polyester mesh. Straight lines can cause friction to occur where stress points are located, and are typically in the four corners.

The shape of the Exofin Fusion mesh features curved ends. This reduces the area that is under stress and dissipates the friction and force across the entirety of the material.

Mesh Under Stress - Traditional Design

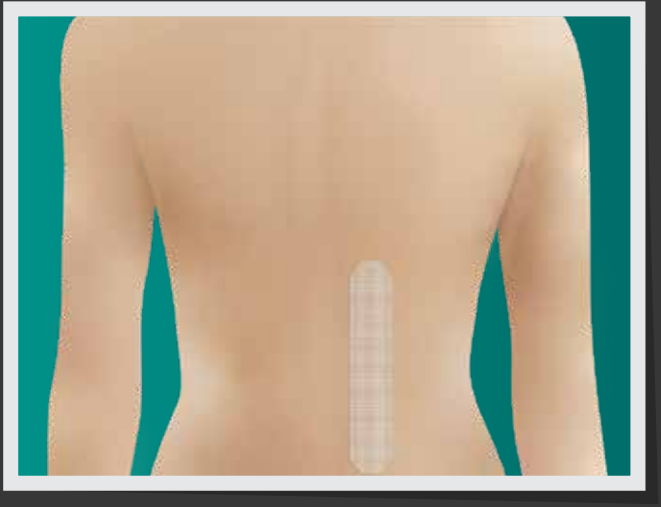


When Applied

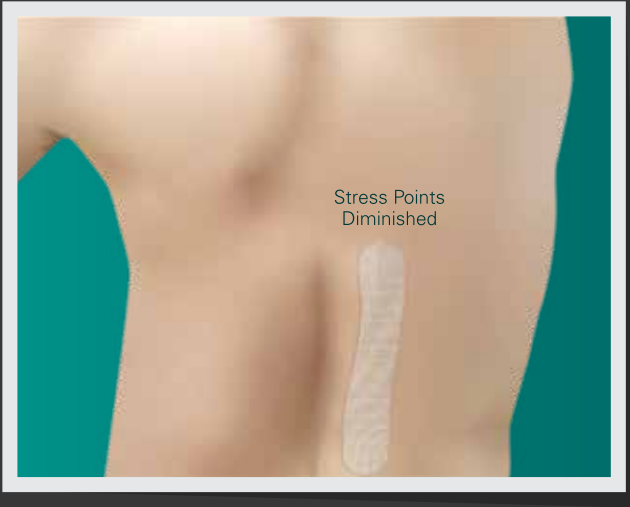


Stretched

Mesh Under Stress - Curved Mesh Design



When Applied



Stretched

THE SHAPE OF THINGS TO COME

Introducing exofin fusion® Curved Mesh

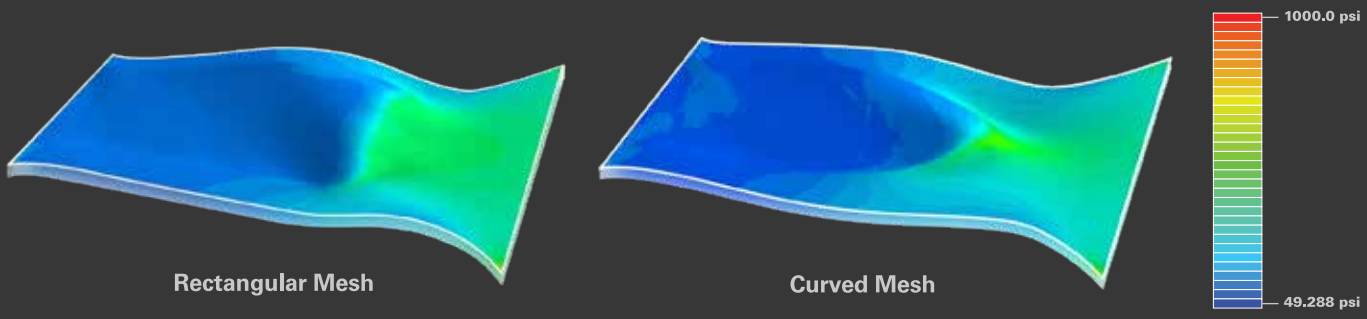
The rectangular shape of competitive products may cause skin damage sooner under cyclic loading due to higher forces and stresses. The shape of **exofin fusion® reduces the area for potential damage due to stress by 67%**.

Tissue subjected to the stresses in these areas are susceptible to skin damage.

The curved shape dissipates the stress throughout the entire mesh patch as opposed to a specific stress point such as a corner, or across the top or bottom.

Substantial Reduction in Skin Stress*

Strain = 33.3% (Model Length 152.44mm)



Rectangular Mesh

Curved Mesh

	RECTANGULAR MESH	CURVED MESH	REDUCTION (%)
High Stress Area (mm^2)	1258	417	**66.8%**
Max Stress (psi)	933	730	**21.8%**
Total Force (lbf)	1913	1095	**42.8%**

*Content provided by D&D Innovative Research (DDIR) LLC, 7/29/2019.

NEW PRODUCT

exofin fusion® 30cm

Longer mesh which is ideal for the orthopedic area of the hospital. Great for use on **Total Knee Replacement** procedures.

Blisters can occur when mesh is too short for the patient, especially obese patients.

Longer mesh gives enough slack at both the proximal and distal ends to reduce force on skin when at 90-degree angle during rehab.

Longer mesh eliminates the need to use multiple 22cm devices.

No cutting and overlapping required when adding additional mesh strip.

Cost savings versus 44cm and 60cm.

Contact your local representative for evaluation samples.

ORDER INFORMATION

Use the guide below to see specific information on the complete Chemence® Medical line of products. To complete your order, call or email one of our Chemence® Medical Support Representatives at **844.633.4583** or **customerservice@chemencemedical.com.**

PRODUCT CODE #	PRODUCT DESCRIPTION	CONTENTS	DIMENSIONS	CUBE	WEIGHT
		(Quantity)	(LxWxH)	(FT^3)	(LBS/OZ)
	Skin Closure System				
EF70401	exofin fusion® Skin Closure System 22cm	2 Systems	13.125 x 4.125 x 4.5	0.141	0.4 lb
EF70430	exofin fusion® Skin Closure System 30cm	2 Systems	13.125 x 4.125 x 4.5	0.141	0.4 lb
EF70466	exofin fusion® Skin Closure System 60cm	2 Systems	13.125 x 4.125 x 4.5	0.141	0.4 lb
	Topical Skin Adhesive				
EX71010	exofin® Micro 0.5mL 10 Tubes	10 Tubes	5.25 x 2.25 x 2.56	0.018	0.2 lb
EX70410	exofin® High Viscosity Tissue Adhesive 1.0mL 10 Tubes	10 Tubes	5.25 x 2.25 x 2.56	0.018	0.2 lb
	Mastic®				
EM80148	exofin® Mastic Ampoules 0.67mL	48 Ampoules	6.25" x 3.75" x 3.125"	0.042	7.5 oz
EM81512	exofin® Mastic Bottle 1oz	1 Bottle	3.5"x 1.25" x 1.25"	0.0032	1.484 oz
EM80212	exofin® Mastic Bottle with Sprayer 2oz	1 Bottle/Sprayer	5.75" x 1.75" x 1.5"	0.0087	2.892 oz
	GluGone®				
GG80148	GluGone® Ampoules 0.67mL	48 Ampoules	6.25" x 3.75" x 3.125"	0.039	7.5 oz
GG80212	GluGone® Bottle with Sprayer 2oz	1 Bottle/Sprayer	5.75" x 1.75" x 1.5"	0.0087	2.892 oz
GG80412	GluGone® Bottle 4oz	1 Bottle	5.25" x 1.75" x 1.75"	0.0093	2.779 oz

To Place an Order:

Email: customerservice@chemencemedical.com Phone: 844-MED-GLUE (633-4583) Mail: 200 Technology Drive, Alpharetta, GA 30005

CHEMENCE

chemencemedical.com

Chemence Ltd.
13 Princewood Road, Corby
Northamptonshire, NN17 4XD, UK
+ 44 (0)1536 402600

Chemence Medical, Inc.
200 Technology Drive
Alpharetta, GA, 30005, USA
+1 844-633-4583

Chemence Sp. z o.o.
Ul. Aleja Jana Pawła II 22
00-133 Warsaw, Poland
+1 770-658-4302

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