Gel patch for nonsurgical TM repair

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Disclosure:

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Gel Patch Application

Uncured Gel

Gel Patch

Blue Light

Outer ear

Middle ear

Inner ear

TM
Animal Model

Gel patch (nonsurgical)
>80% success (n = 26)

Synthetic graft (surgical)
50% success (n = 12)

Animal Model

Gel patch regenerates native structure and thickness of TM:

![Untreated](image1)
![Gel Patch](image2)
![Synthetic Graft](image3)

Scale bar = 100 um

No qualitative evidence of ototoxicity:

HC = Hair cell; Scale bar = 50 um