




## NSW Health Innovation Symposium

A composite image showing a close-up of a woman's face on the left, with her hand applying a cream to her cheek. On the right, a close-up of a man's face smiling. The background is a soft, light blue gradient.

Pioneering Elastatherapy in  
Australia through partnership with  
NSW Medical Device Fund

Robert Daniels, CEO



# Health Challenge



# Surgical Scar Revision



# Surgical Scar Revision

New treatment aiming to:

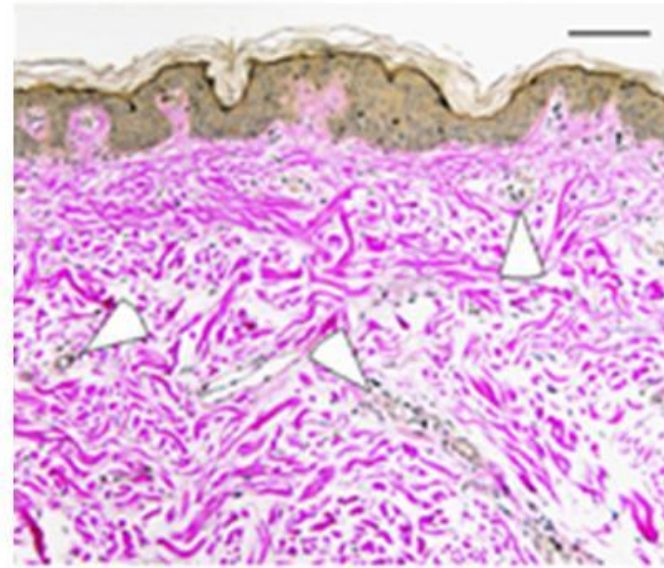
- Reduce surgeries in revision of scars
- Reduce wound contraction
- Improve the physical property of healed skin
- Reduce chronic care of scar tissue



Innovation



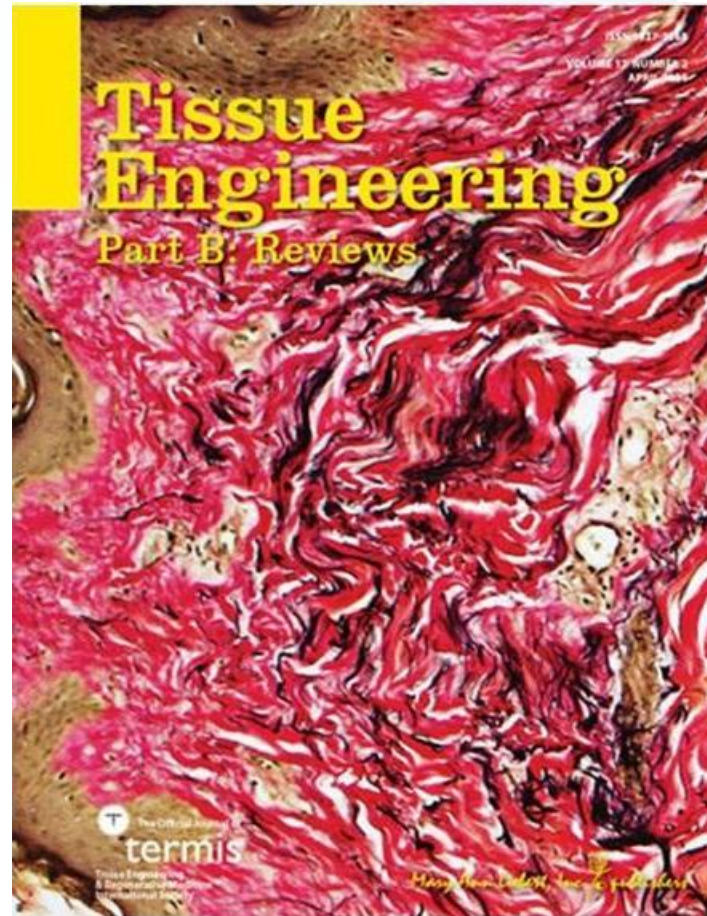
# Elastin and skin elasticity



13 year old male with acquired cutis laxa (destruction of elastin)



# Elastin is enriched in the deep dermis

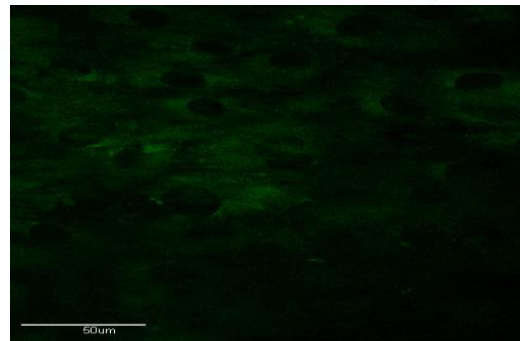
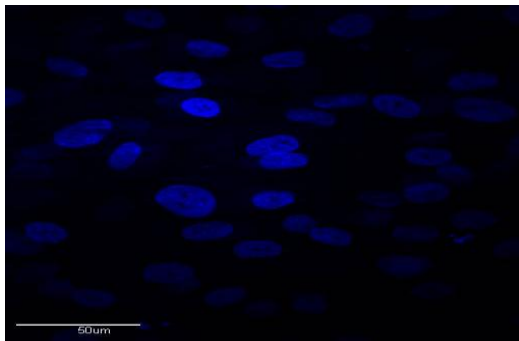


# Elastatherapy™ in vitro

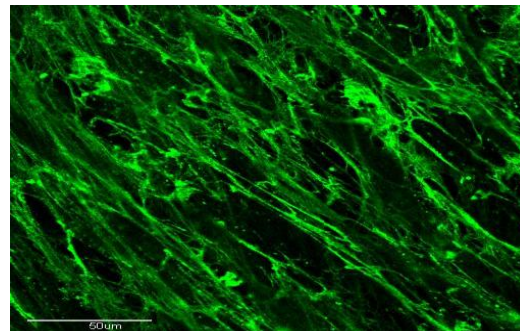
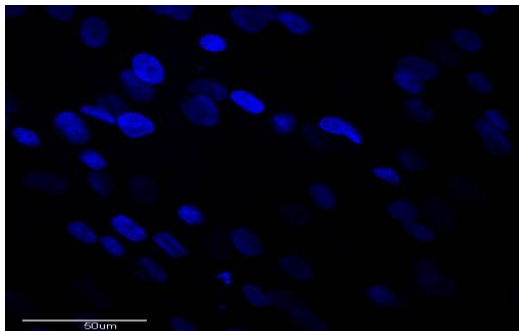


Human fibroblast nuclei

Elastin label



Without Elastatherapy™



With Elastatherapy™

Prof Weiss, University of Sydney



# NSW Health MDF Funding



- \$2 million from NSW MDF over a two year period
- Development of the Elastinised Dermal Template
- Drive product to regulatory approval in 2015



## Practical Steps and Results



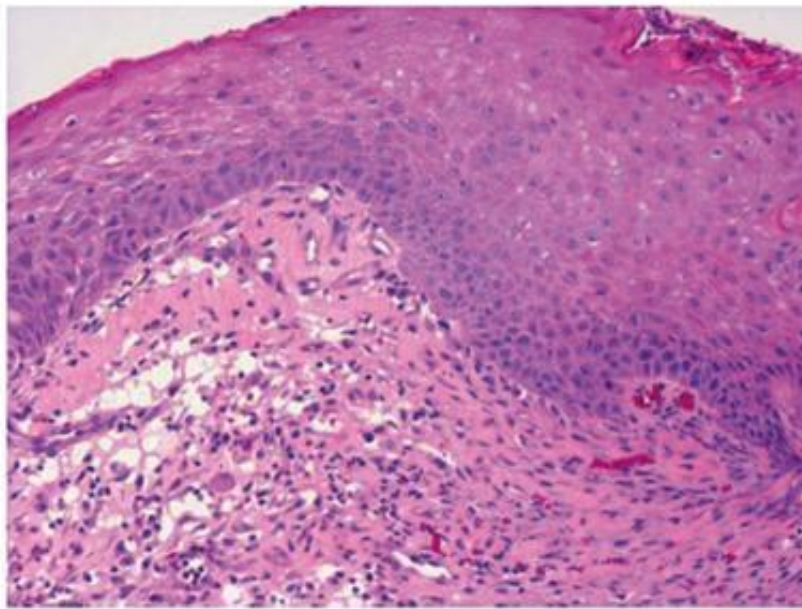
# Practical Steps

- Clinical input into treatment design and endpoints
- Commercial input, reimbursement, regulatory
- Formulating, manufacturing the product
- Proof of concept

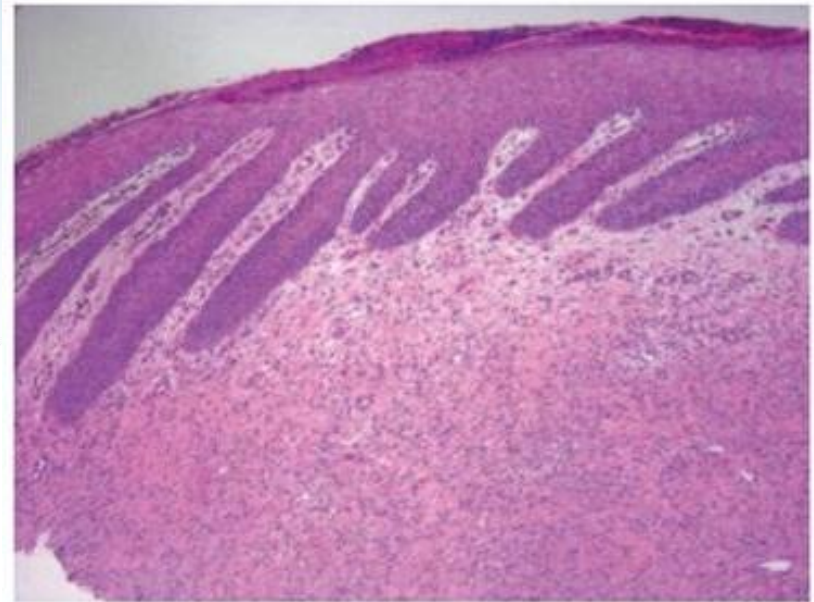
# Skin repair is enhanced by the presence of elastin



Collagen Template Alone



Collagen Template + Elastin



## Next steps

- Global wound / device sales partner
- Clinical trials for Europe and US markets
- Return funds to NSW Health





## Key Learnings



# Key Learnings

- Broad skills base required to see and shape the treatment opportunity
- Engage with clinicians early in process
- Fit the technology available to the clinical need