

# WHAT ARE THE RIGHT SURGICAL MARGINS

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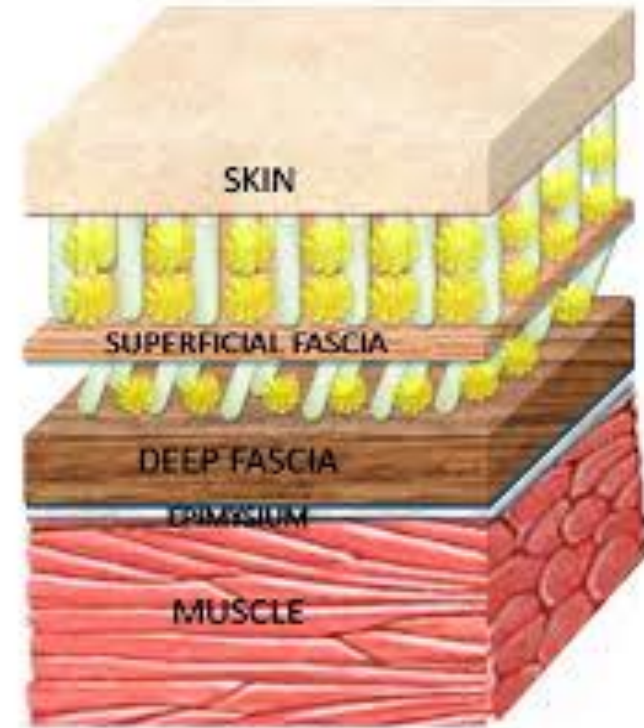
# HISTORICALLY

- Radial
  - Started at 5cm
  - Then 3cm
  - Now 1-2cm



# DEPTH

- Next fascial plane
- Usually the shiny layer on muscle



# NICE UK

- Melanoma in situ – 0.5cm
- Melanoma less than 2mm  
(not 1-2 mm with ulceration)  
Stage I – 1cm
- Melanoma greater than 2mm  
(and 1-2mm with ulceration)  
Stage II – 2cm

# ULCERATION



# Fong et al 2014 comparison of guidelines

T staging, melanoma Breslow thickness	Radial excision margin	
	NCCN, CCO, CMA, ESMO	ACN
Tis, in situ	0.5 cm	0.5 cm
T1, < 1.0 mm	1 cm	1 cm
T2, 1.0–2.0 mm	1–2 cm	1–2 cm
T3, 2.0–4.0 mm	2 cm	1–2 cm
T4, > 4.0 mm	2 cm	2 cm

NCCN, National Comprehensive Cancer Network; CCO, Cancer Care Ontario; CMA, Canadian Medical Association; ESMO, European Society for Medical Oncology; ACN, Australian Cancer Network.

# UK MELANOMA GUIDELINES

- In situ                      5-mm
- < 1 mm                    1 cm
- 1–2 mm                    1–2 cm
- 2.1–4 mm                2–3 cm
- > 4 mm                    3 cm

# MELMART

- **Study Hypothesis**

There is no difference in local recurrence rates or melanoma-specific survival for patients treated with either a 1cm or 2cm excision margin for intermediate and high risk primary melanoma.



# MelmarT

## INTERVENTION

- 1cm VS 2 cm WLE
- 1mm or thicker melanomas

## OUTCOME

- Local melanoma recurrence
- Also
  - Recurrence free survival
  - Overall survival
  - Adverse events
  - QoL and Neuropathic pain

WHAT IS THE RIGHT MARGIN?



# SUMMARY

- Minimum of 1cm
- Maximum of 3cm (?2cm)