





# Dynamic Skin Expansion: PRE-OPERATIVE APPLICATION OF ADHESIVE ANCHORS. A New Concept and Preliminary Results. H Hristov, R George. Queen's University, Department of Surgery, Division of Surgical Oncology.

- Wide excisions are required in the management of certain malignancies involving the skin, such as, melanoma, sarcoma, squamous cell Ca.
- The post-excision wounds are difficult for closure. Often they are closed in OR under tension which can cause undesirable cosmetic results.




**Canica product**

- A simple device for creation of tension across an existing wound.
- Dynamic Method for Delayed Primary Closure




- The adhesive anchor, has been used for existing wounds. The goal has always been delayed primary closure.
- Our concept is to use this device to stretch the skin before excision to obtain enough skin for primary closure under no tension.


Leiomyosarcoma, 72 year old man. 7 day pre op application and 2 week post op. Good cosmetic result with no graft or flap.



Melanoma elbow. Pre op application for 7 days. Wide excision. Primary Closure.



Recurrent melanoma. Prior wide excision limited skin mobility. 7 day pre op application with good expansion and primary closure.




- Our current experience includes 7 cases with preoperative expansion
- No adverse effects of preoperative application
- All have tolerated the pre-op application without discomfort
- All wounds have been closed primarily with good cosmetic results.

Special thanks to Canica for provision of Dynamic skin expanders.

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**Conclusion:**  
Pre-operative skin expansion allows for primary closure of wide excision wounds with good cosmetic results.

Without pre-op expansion, melanoma forearm.



Wide excision forearm with pre-op expansion, superficial leiomyosarcoma.

