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Abstract Title:	Casting For Soft Tissue Elongation And Prevention Of Surgical Intervention In Burn Care
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Objective:	Describe a therapeutic technique used to promote soft tissue elongation, improve scarring and prolong or eliminate the need for surgical intervention following a burn injury.
Abstract:	<p>1) Scarring following burn injury places patients at risk for burn scar contracture. One well known treatment for scar contracture is surgical intervention. We propose a non-invasive therapeutic technique for soft tissue elongation and prevention of further contracture.</p> <p>2) Weekly serial casting through a variety of materials for soft tissue elongation and improved range of motion. Progress is tracked by goniometric measurements. Casting is seized when goal range of motion is achieved or patient plateaus.</p> <p>3) Upon review of patient case studies, we found that serial casting or serial splinting was effective in improving joint range of motion and improving participation in activities of daily living in patients with burn scars. If scar revision is necessary, serial casting or splinting can be used for positioning purposes post surgery. We also find that this technique provides families a break from daily home program.</p> <p>4) Serial casting is an effective treatment for the treatment of burn scar contracture and may prevent or prolong the need for surgical intervention. A patient may require casting again in the future to accommodate for growth.</p>
Disclosures:	Kerry L. Mikolaj – No relevant financial relationships to disclose Nichole Mayer – No relevant financial relationships to disclose