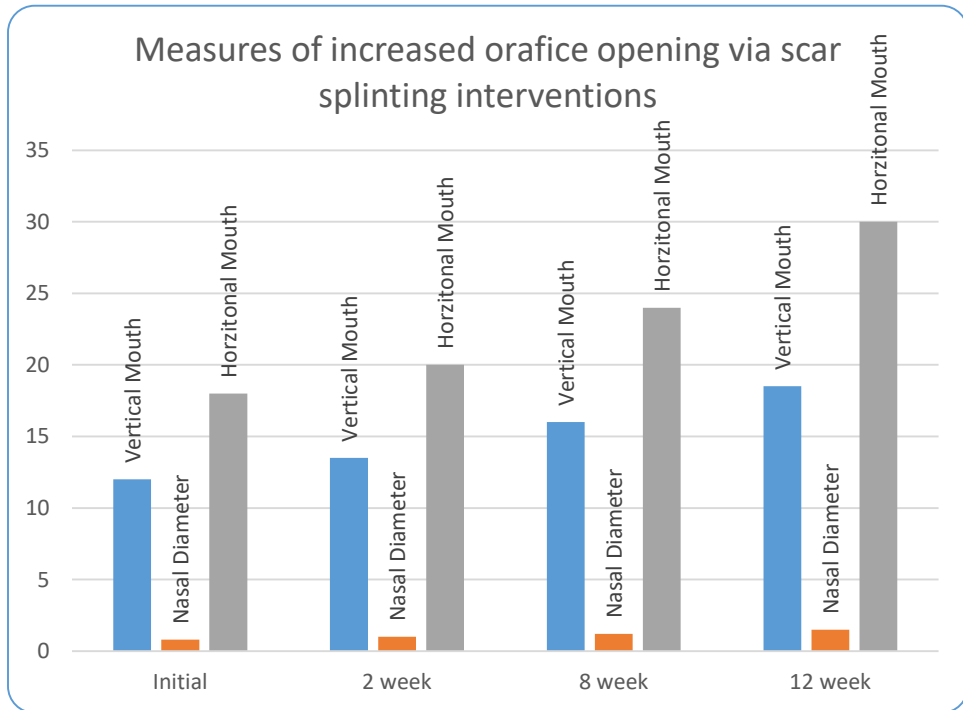
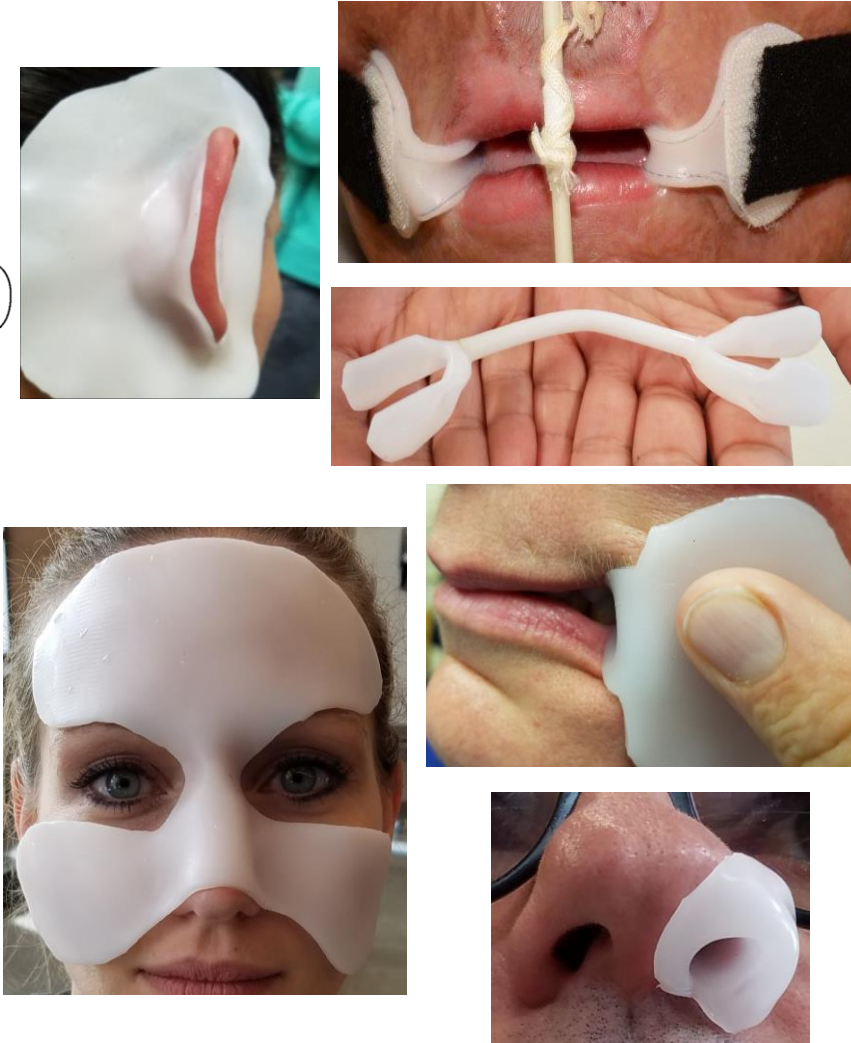
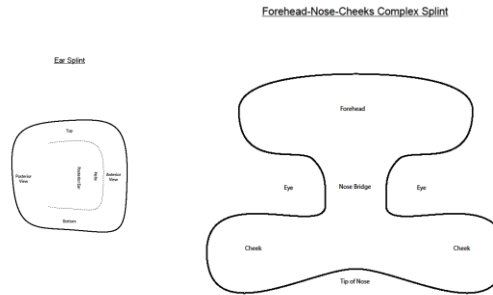


THE USE OF A UNIQUE SILICONE-LINED THERMOPLASTIC TO FABRICATE A PORTFOLIO OF HEAD AND FACE ORTHOSES TO MANAGE BURN SCAR HYPERTROPHY.

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Introduction: Recent advancements in medicine have vastly improved the survival chances of burn patients. The focus of the burn recovery has now shifted from survival to early rehabilitation. We have designed 6 head and face splints that, if initiated early, could prevent deformity.

Methods: A low temperature silicone-lined thermoplastic (Silon-LTS®) is utilized for the fabrication of the splints. Templates were designed to support use and indication.



Conclusions: The splinting material is coated with silicone which provides for a comfortable contact to the skin. The combination of silicone and thermoplastics in splinting theoretically enhances the principles of gentle, prolonged sustain stretch and promotes scar hydration/pliability that could lead into elongated tissues and flat scars. Early, comprehensive intervention is warranted to support functional and cosmetic outcomes.