

P11 RHINOPLASTY: A HANDS-ON TRAINING MODULE

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INTRODUCTION: Rhinoplasty is a complex surgical procedure that is difficult to teach and for residents to gain practical surgical experience. We present a hands-on, anatomically correct silastic training model specifically designed to teach the technical aspects of rhinoplasty

METHOD: Using CT scanning, nasal data was acquired and adapted for rapid prototype modeling. Subsequently it was cast to create an operable, realistic three dimensional silastic model that mirrors the nasal region and its underlying anatomical structures. This data can be modified using established methodology to enable the production of other anatomic rhinoplasty scenarios. A video demonstrating its surgical characteristics will be presented.

RESULTS: The module achieves an authentic simulation of a rhinoplasty scenario. It provides an anatomically realistic practice model to develop rhinoplasty skills and demonstrate competence in an in vitro environment. It allows for the development and evaluation of rhinoplasty skills prior to actual surgery taking place.

CONCLUSION: This module creates an easily available training alternative for basic rhinoplasty procedures, provides an objective training assessment tool, and the technology enables the production of a variety of realistic nasal anatomic scenarios.

