


## A Novel Approach to Increased Fidelity for Neonatal Circumcision

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**Categories:** Pediatrics, Medical Simulation, Obstetrics/Gynecology

**Keywords:** circumcision

**How to cite this poster**

Van ittersum W L, O'connell L (2017) A Novel Approach to Increased Fidelity for Neonatal Circumcision. Cureus 9(6): e.

### Abstract

Neonatal male circumcision is a procedure commonly performed in the United States (US), on roughly 50% of newborn males.<sup>1</sup> Pediatricians are one of several specialists performing this procedure; the Accreditation Council for Graduate Medical Education (ACGME), which accredits residency programs in the US, states that pediatric trainees "should receive real and/or simulated training when [neonatal circumcision is] important for a resident's post-residency position".<sup>2</sup> Due to competition among specialties and local practices, pediatric residents may have little clinical exposure to circumcision, necessitating simulated experiences. However, there is currently only one pediatric circumcision model on the market. An existing Lifeform Neonatal Circumcision Trainer sold by eNASCO was trialed by several practicing physicians using the Gomco Circumcision Clamp. It was useful to demonstrate procedural steps but lacked haptic feel and ability to simulate adhesiolysis or foreskin stretching. We substituted the manufacturer's foreskin with a balloon tip over the model prosthetic to address these issues.

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Published 06/01/2017

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