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A systematic review regarding complications from male circumcisions**Stanca Iris Iacob and Frank H. Netter**

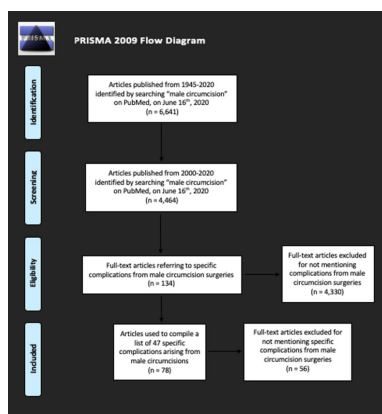
Quinnipiac University, USA

Background: Neonatal male circumcision is the most common procedure performed on pediatric patients (Simpson et al., 2014) and one of the most common surgical procedures in the world (American Academy of Pediatrics, 2012).

Methods: A search was conducted for articles about complications arising from male circumcision surgeries by entering the term 'male circumcision' into PubMed on June 16, 2020. Six thousand six hundred forty-one articles published from 1945 to 2020 were found. Seventy-eight articles were ultimately selected for the systematic review.

Results: The 78 articles selected from the literature search were entered into one of three tables. The first table includes 15 articles pertaining to chart reviews and cohort studies and report complication rates. The second table reports specific complications from 51 case reports and case series, and the third table is a summary from 12 articles regarding physician questionnaires and society recommendations. Additionally, the 78 articles were used to compile a list of 47 specific complications arising from male circumcision surgeries.

Conclusions: Complications from neonatal male circumcisions are common and healthcare providers need to be better informed of the potential complications of the surgery so that they can more effectively counsel their patients about potential risks, likelihood of complications and what can be done to prevent them. While experienced providers who practice in sterile settings have better outcomes with fewer complications, encouraging parents to take into account who is performing their son's circumcision, what was their training, how clean is their practice and how much experience they have and reminding them they have the option to decline the procedure entirely allow the parents to get a more complete picture and play an essential role in the decision-making process.

**Recent Publications**

- Iacob, SI, Feinn, RS, Sardi, L. Systematic review of complications arising from male circumcision. BJUI Compass. 2021; 1– 25. <https://doi.org/10.1002/bco2.123>
- Iacob SI, Keyhani KK, Farhat NA. Warthin Tumor of the Caruncle: A Rare Case Report and Review of the Literature. Ophthalmic Plast Reconstr Surg. 2021 Jul-Aug 01;37(4):e133-e134. doi: 10.1097/IOP.0000000000001899. PMID: 33481538.
- Iacob, S. I. (2018). Worker, Mother, Socialist: The Making of the Romanian Communist Woman, 1965 – 1975. Duke University.

Recent Poster Presentations

- A rare case of Low Parasitemia Human Babesiosis Complicated by Splenic Infarction. Ian Guillen, MD, Stanca Iris Iacob, Daniel Afrifa, MD, Toochukwu Okafor, MD, Edward Mensah, MD. Department of Medicine, St Vincent's Medical Center, Bridgeport, CT. ACP Connecticut Chapter Abstract Poster Competition – October 2021, advanced to the second round in the clinical vignettes category.
- Complications Arising From Male Circumcisions. Iacob, SI, Feinn, RS, Sardi, L. October 2020 – Frank H. Netter MD School of Medicine Summer Research Symposium

Biography

Stanca Iris Iacob is a third-year medical student at the Frank H. Netter MD School of Medicine at Quinnipiac University. She received her Bachelor of Art from Duke University. After graduating from medical school, Stanca wants to match into an obstetrics and gynecology residency.