Criticisms of African trials fail to withstand scrutiny: Male circumcision does prevent HIV infection

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A recent article in the *JLM* (Boyle GJ and Hill G, “Sub-Saharan African Randomized Clinical Trials into Male Circumcision and HIV Transmission: Methodological, Ethical and Legal Concerns” (2011) 19 JLM 316) criticises the large randomised controlled trials (RCTs) that scientists, clinicians and policy-makers worldwide have concluded provide compelling evidence in support of voluntary medical male circumcision (VMMC) as an effective HIV prevention strategy. The following article addresses the claims advanced by Boyle and Hill, demonstrating their reliance on outmoded evidence, outlier studies, and flawed statistical analyses. In the current authors’ view, their claims portray misunderstandings of the design, execution and interpretation of findings from RCTs in general and of the epidemiology of HIV transmission in sub-Saharan Africa in particular. At the same time they ignore systematic reviews and meta-analyses using all available data arising from good-quality research studies, including RCTs. Denial of the evidence supporting lack of male circumcision as a major determinant of HIV epidemic patterns in sub-Saharan Africa is unsubstantiated and risks undermining the evidence-based, large-scale roll-out of VMMC for HIV prevention currently underway. The present article highlights the quality, consistency and robustness of the scientific evidence that underpins the public health recommendations, guidance, and tools on VMMC. Millions of HIV infections will be averted in the coming decades as VMMC services scale-up to meet demand, providing direct benefits for heterosexual men and indirect benefits for their female partners.

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