

Rate, Indication and Outcome of Operative Vaginal Delivery at Mayo University Hospital 2022

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Abstract : Objective: This audit aims to evaluate the practices and outcomes of operative vaginal deliveries (OPVD) at Mayo University Hospital, focusing on identifying trends, complications, and adherence to clinical guidelines. Methods: A retrospective review was conducted on all cases of operative vaginal deliveries at Mayo University Hospital over one year. Data was collected from patient records, including demographics, OPVD indications, types of instruments used (forceps or vacuum), maternal and neonatal outcomes, and any associated complications. Statistical analyses were performed to assess the rates of successful and unsuccessful OPVDs and identify factors influencing outcomes. Results: The study included 159 [out of 174 total OPVD in 1 year] cases of operative vaginal deliveries. The indications predominantly consisted of the prolonged second stage of labor, fetal distress and suspicious CTG. The success rate of OVD was [97.5%]; maternal perineal tears [10 cases], hemorrhage[43 cases] and neonatal outcomes needed for SCBU admission[12 cases] were also assessed. Conclusion: This audit provides insights into the current practices and outcomes of operative vaginal deliveries at Mayo University Hospital. The findings underline the importance of adherence to clinical guidelines and highlight areas for potential improvement in practice

Keywords : OPVD operative vaginal delivery, GTG green top guidelines, PPH postpartum hemorrhage, SCBU special care baby unit

Conference Title : ICOG 2024 : International Conference on Obstetrics and Gynaecology

Conference Location : Jeddah, Saudi Arabia

Conference Dates : November 11-12, 2024