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Title: Outcome of surgical repair with or without mesh use for advanced stage of prolapse

Conclusion: The strategy of evaluating levator ani muscle avulsion for patient with advanced stage of prolapse, and offering option of mesh repair for patients with the avulsion can reduce the proportion of patients receiving mesh repair and hence the complications.

Mesh repair could achieve a low rate of subjective and objective recurrence of prolapse, with a low complication rate.

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Methodology: This is a retrospective analysis of patients who had stage III or IV prolapse and received surgical repair in year 2021 and 2022 in the study institute. Perineal ultrasound was used to evaluate any levator ani muscle avulsion before the operation. Mesh repair, either anterior vaginal mesh or sacrocolpopexy, was offered to patients with levator ani muscle avulsion.

