

# TITLE: ANATOMICAL AND FUNCTIONAL OUTCOMES OF MCINDOE'S VAGINOPLASTY: A TERTIARY CARE HOSPITAL EXPERIENCE

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## INTRODUCTION

- ❖ Women with mullerian and vaginal agenesis suffer from a great deal of mental stress and social stigma
- ❖ Cause: MRKH, AIS
- ❖ Incidence: 1 in 4500 females
- ❖ Procedure of choice- Mechanical dilatation followed by surgical neovagina creation who fails mechanical methods

## OBJECTIVES

- ❖ To analyze the anatomical and functional outcomes in women undergoing Mcindoes vaginoplasty at our institute over a period of 2 years (January 2021 to December 2023)

## MATERIALS AND METHODS

- ❖ 29 girls diagnosed with vaginal agenesis were recruited prospectively after ethical clearance
- ❖ Surgery performed after detailed history, examination, relevant investigations, and thorough counseling about fertility outcomes
- ❖ All girls taken up for surgery near planned marriage
- ❖ The intraoperative details regarding the type of graft, pre and post-surgery vaginal length, intraoperative and post-operative complications and post-operative vaginal length, follow-up sexual function, and late complications were noted.

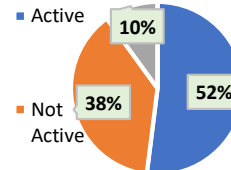
## RESULTS

- ❖ Of the 29 girls, 3 were married before surgery and the rest were unmarried. The average age was 23.4 years.
- ❖ 1/30 had renal anomaly (absent left kidney) and 3/30 had minor spinal deformities (lumbar lordosis).

## RESULTS

- ❖ Karyotype-
  - ✓ XY-1/29
  - ✓ XX-28/29
- ❖ Both amnion (16/29) and surgical (13/29) were used for neovagina creation
- ❖ On follow-up, the mean vaginal length
  - ✓ Preop- 0.9 cm
  - ✓ Immediate Post-op- 8.13 cm
  - ✓ After 1 week- 8 cm
  - ✓ After 6 months- 7.1 cm
- ❖ Average Hospital stay- 8.95 days
- ❖ Average FSFI score- 27.62

### Sexual activity

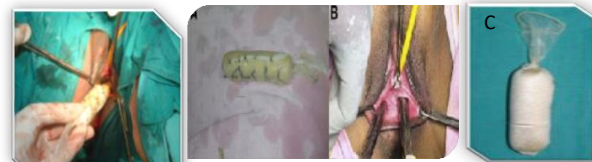


## DISCUSSION

- Nonsurgical methods are successful but demand considerable commitment and motivation 2
- Modified McIndoe vaginoplasty is a simple, safe, and cost-effective procedure with low rates of complications in the hands of experts 3
- Comparing with Davydovs vaginoplasty, no need of laproscopic procedure.

## CONCLUSION

- Mcindoes vaginoplasty- safe and effective surgical procedure
- Girls with MRKH syndrome can have healthy sexual relationships
- Post operative mould compliance is a major deciding factor for good outcomes.



A) Vaginal mold covered by condom and wrapped with amnion, B) Serial dilation of vaginal dimple C) Vaginal mold covered by surgical

## COMPLICATIONS

### Intra-op

1/29 had RVF during the procedure  
Repaired immediately

### Immediate post-op (During hospital stay)

2/29 Vaginal discharge managed with IV antibiotics

### Late (Post discharge)

- **Restenosis-3/29**
  - ✓ 2/3- Refused repeat surgery
  - ✓ 1/3 underwent redo-vaginoplasty
- **Readmission-Bleeding** Pv on day 14
- **Mould Stuck** after 1 year- released under anesthesia

## REFERENCES

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Declaration of Conflict of Interest for all authors: None