Congenital Urethral Fistula With Stricture of Glandular Urethra

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CONGENITAL urethral fistula is extremely rare, only two case reports could be traced in the available literature (Broudi, 1968; Gupta, 1962) The present case, a Mohammadan circumcised child presented himself with a congenital fistula alongwith a stricture in the glandular urethra.

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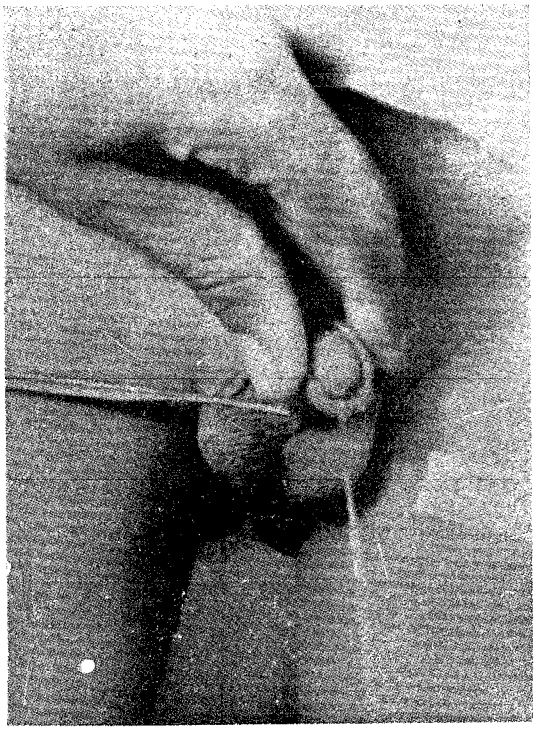
The exact embryogenesis of this rare abnormality has not been traced. But it has been suggested that this could be due to incomplete development of the ecto-mesoblastic folds of the cavernous bodies. The imperfect canalization of



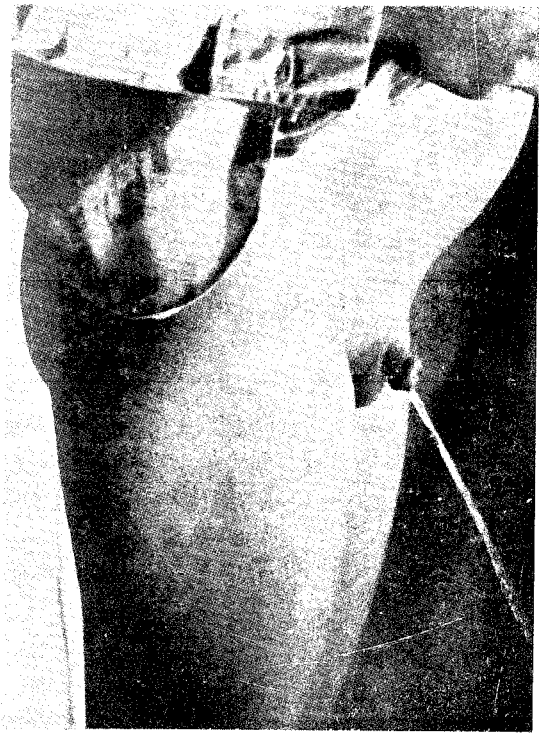


Fig. 1—Pre-operative Photograph showing thin urinary stream with probe pointing at the site of the fistula.
Fig. 2—Post operative photograph showing normal stream of urine (2 years later).

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the glandular urethra results in the stricture formation and failure of fusion or patchy necrosis of the mesoblastic folds could explain the development of the fistula.

Case Report

M.S., a 10 year Mohammadan circumcised boy was brought to us having two urinary outlets. The main stream emerged from the glans (Fig. 1) but along with this he had another small opening in the penoscrotal area through which a few drops of urine dripped during the terminal phase of micturation. The local examination revealed that the penile shaft was of normal size and there was no ventral curvature, even on erection. The prepuce was of course absent. The glans was normal but the meatal opening was inadequate. This could hardly admit a thin polythene tube. There was also a small opening in the penoscrotal area (Fig 1.) which could hardly be the width of pin head.

The cystogram did not reveal any abnormality of the urinary bladder but, micturating urethrogram revealed a narrowing of the glandular urethra.

The terminal stricture of the glandular urethra was treated by slitting it open ventrally. The Urethral fistula was closed by Mustarde's technique. Later terminal urethra was reconstructed by Dennis Browne's method. The result was satisfactory (Fig. 2.)

Summary

An extremely rare congenital abnormality of the urethra characterized by a congenital fistula and associated with a stricture of the glandular portion has been presented.

REFERENCES

1. Baroudi, E. and Kappke, E.M. : J. Plastic & Reconst. Surg., 12, 4 Dec., 1968 (Revista Latinus American Do Cirurgia Plastica).

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