



## Iatrogenic Hypospadias: A Curse of the Care

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### Abstract

Out of many complications of prolonged urethral catheterization, iatrogenic hypospadias is rarely reported in any surgical journal and should be diagnosed early and intervened in timely manner. We report a case of iatrogenic hypospadias in paraplegic patient.

**Keywords:** Cleft penis; Hypospadias; Prolonged catheterization

### Clinical Image

Prolonged indwelling urethral catheter causing downward pressure on urethra leads to iatrogenic hypospadias, culminating ischemic necrosis and ulcerations [1]. Large size of catheter, improper technique of securing catheter, decreased or absent sensation over perineal region and comorbidities may exacerbate the injury, in our case patient had decreased sensations due to neurological condition [2,3]. Though very sparse cases have been reported, it has been described in literature as penile cleft, ulceration of penis, broken urethra, penile erosion etc. Becker et al. [4] classified iatrogenic hypospadias into 4 types; our case is type 3 according to this classification (Figures 1-3).

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Figure 1: Catheter causing downward pressure on urethra.



Figure 2: Proper technique of catheter positioning.



**Figure 3:** Lateral view and extent of hypospadias.

## References

1. Andrews HO, Nauth-Misir R, Shah PJ. Iatrogenic hypospadias—A preventable injury? *Spinal Cord*. 1998;36(3):177-80.
2. Garg G, Baghele V, Chawla N, Gogia A, Kakar A. Unusual complication of prolonged indwelling urinary catheter-iatrogenic hypospadias. *J Family Med Prim Care*. 2016;5(2):493-94.
3. Inoue S, Hiraoka T, Wake K, Sumura M, Honda S, Urakami S. Iatrogenic hypospadias: A rare complication due to chronic placement. *Shimane J Med Sci*. 2008;25:21-3.
4. Becker B, Witte M, Gross AJ, Netsch C. Iatrogenic hypospadias classification: A new way to classify hypospadias caused by long-term catheterization. *Int J Urol*. 2018;25(11):980-1.