



ACADEMY OF SPINAL CORD INJURY PROFESSIONALS

Incidental Finding of Hydroureteronephrosis As A Complication From Suprapubic Catheter

EDUCATIONAL CONFERENCE & EXPO 2016



Discussion

- Misplacement of suprapubic catheter into ureter is rare among people with SCI
- There were case reports of symptomatic misplacement of suprapubic catheter into ureter
- Unclear risks of individuals with SCI leading to this
- Atrophic bladder
- Enlarged prostate
- Prominent ureteral orifice
- Ultrasound and CT renal and bladder are the imaging of choice
- Retraction or repositioning of the suprapubic catheter would be the initial management, if unsuccessful as confirmed by symptoms and imaging, cystoscopic replacement of urinary catheter is recommended

Conclusion

- There were rare cases of hydroureteronephrosis secondary to catheter tip obstructing the UVJ.
- Past cases in patient with spinal cord injury always presented with symptoms.
- This case describes the discovery of hydroureteronephrosis without infectious presentation or dysfunction of the catheter system.
- There could be a correlation with atrophic neurogenic bladder and enlarged prostate that led to occurrence of catheter tip passing into ureteral orifice.
- Further studies may assist with selection of device which lower such risk.

