

Perineal Urethrostomy

1. Grasp penis and catheter with small hemostat, tip of hemostat aiming upward.
2. Make an elliptical incision around prepuce and scrotum (neuter first if intact).
3. Clear connective tissue until penis and IC muscles are clearly visible.
4. Elevate Retractor Penile muscle from urethra and excise close to external anal sphincter muscle fibres.
5. Isolate, clamp and divide both left and right IC muscle/crus bundles. Divide between clamp and tuber ischium.
6. Do a "U" sweep with finger to ensure that penis is now no longer attached to the pelvis.
7. Using a #15 blade, cut the urethra transversally to the catheter.
8. Use Iris scissors to cut dorsally up the urethra, alongside the catheter, up to and in between the Bulbourethral glands .
9. Suture the opening of the pelvic urethra, skin to mucosa, by first placing a stitch at 12 o'clock
10. Place the second and third stitches at 11 and 1 o'clock.
11. Check that the new urethral opening is of adequate size (hemostat check) and properly sutured open.
12. Suture remainder of urethra open (drainboard)
13. Amputate penis in the mid/distal area and ligate the end so that the cavernous tissues stop bleeding.
14. Close remainder of skin incision primarily
15. Recheck, again, the new urethral opening, ensuring that it is properly sutured open.
16. Flush the bladder with warm saline, be sure to remove catheter from urethra and shake up the bladder a bit before expressing out the urine/saline. Collect any stones to submit for analysis.
17. Repeat flushing until all stones are expelled from the bladder.