

Guidance for GPs on Intravesical Gentamicin and Amikacin

Background

Some patients who suffer from recurrent urinary tract infections (UTIs) may benefit from having a daily bladder instillation with gentamicin. This is provided by a specialist Urology service based at NBT and should only be started by a Urologist and approved by a Consultant Microbiologist at NBT. In some cases, amikacin may be used instead of gentamicin, due to susceptibility results of organisms isolated in the urine. This will be discussed in the complex UTI MDT as part of the approval process.

Standard Process

- Urology Consultant refers suitable patient to urology nurses for work up
- Urology nurse emails microbiology consultant for opinion/approval
- Referral made to UTI MDT via ICE LUTS MDT
- GP is informed and advised they will be required to prescribe the catheters.
- The patient is taught CISC (clean intermittent self-catheterisation) by urology nurses
- Patient attends clinic and is taught how to complete the procedure and is sent home with 2 weeks' worth of equipment and gentamicin or amikacin. Patient is referred to a Dispensing appliance contractor (DAC), normally 'Select', by the urology nurses (Select is the only company that can currently provide all the equipment required.) Select will provide the additional complimentary items: 10ml leuc lock syringes one daily, sterile gallipot, 60-100mls bladder syringe one daily and wetwipes, hand sanitiser and disposable bags as needed.
- GP is requested to provide the prescription for the catheter (as advised by urology nurses), Urology nurses provide prescriptions for gentamicin 80 mg in 2 mls once daily or amikacin and provide pink filtered needles needles.
- Urology nurses order bloods and urine tests via ICE to be taken at the GP surgery. Blood tests for gentamicin or amikacin levels are checked at 5 days post commencement of treatment then at 1,2,3,4,5,6 monthly. Kidney function blood tests are checked at month 1 and 6 along with urine culture. Please see attached documents for information.
- **All prescribing and monitoring of gentamicin or amikacin will remain with the urology team .**
- This treatment normally continues for 6 months and then is reviewed and normally reduced in frequency depending on how the patient responds to the treatment.

If there are any questions or concerns regarding patients referred for this therapy then please contact the Urology nurses at NBT on 0117 4144939.

J Urch, Lead Pharmacist Anti Infectives; Rachel Skews Specialist Urology nurse; I Baker Microbiology Consultant

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