

## **PROTOCOL FOR THE MONITORING OF INTRA-VESICAL GENTAMICIN USE IN UROLOGY PATIENTS**

### **1. PATIENT IDENTIFIED AS REQUIRING INTRA-VESICAL GENTAMICIN**

Patient name, MRN, DOB, GP recorded.

Baseline renal function recorded.

Patient appropriately trained to intermittently self-catheterise and to self-administer intra-vesical gentamicin.

### **2. 5-7 DAYS AFTER STARTING INTRA-VESICAL GENTAMICIN**

Blood sample taken at or near 9am in the GP surgery and send to Severn Pathology Infection Sciences for gentamicin level (labelled "random" gentamicin level please date and **TIME** sample).

If any level over 1mg/L, gentamicin stopped immediately. Otherwise continue intra-vesical gentamicin for time agreed, which may be more than 6 months.

### **3. ONE MONTH AFTER COMMENCING INTRA-VESICAL GENTAMICIN**

Review of patient and technique in hospital.

Repeat blood sample at or near 9am and send to Severn Pathology Infection Sciences as above.

Repeat renal function.

Repeat urine sample – MSU and indicate patient receiving intra-vesical gentamicin.

### **4. MONTHS 2, 3, 4 AND 5.**

Repeat blood sample at or near 9am and send to Severn Pathology Infection Sciences as above.

### **5. MONTH 6**

Review of patient and technique in hospital.

Repeat blood sample at or near 9am and send to Severn Pathology Infection Sciences as above.

Repeat renal function.

Repeat urine sample – MSU and indicate patient receiving intra-vesical gentamicin.

Gentamicin levels should be taken as close to 9am as possible to enable the results to be interpreted however can be delivered to the lab on the next normal delivery. The review of gentamicin levels remains with the urology team.

J Urch (Lead Pharmacist Anti Infection); Rachel Skews (Specialist Urology Nurse); I Baker (Microbiology Consultant)

Patient Name	MRN	DOB	GP
<b>Day 5-7</b> Date:	Gentamicin Level <input type="text"/>		
<b>Month 1</b> Date:	Gentamicin Level <input type="text"/>	Technique? <input type="checkbox"/> Check <input type="checkbox"/>	Creatinine <input type="text"/> eGFR <input type="text"/> MSU <input type="text"/>
<b>Months 2,3,4,5</b> Date: Date: Date: Date:	Gentamicin Level <input type="text"/> Gentamicin Level <input type="text"/> Gentamicin Level <input type="text"/> Gentamicin Level <input type="text"/>		
<b>Month 6</b> Date:	Gentamicin Level <input type="text"/>	Technique? <input type="checkbox"/> Check <input type="checkbox"/>	Creatinine <input type="text"/> eGFR <input type="text"/> MSU <input type="text"/>
Comments:			

J Urch (Lead Pharmacist Anti Infectives); Rachel Skews (Specialist Urology Nurse); I Baker (Microbiology Consultant)

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