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| **INFECTIOUS DISEASES / MICROBIOLOGY REVIEW** | |
| **Consult reason** | Positive blood cultures |
| **\*Diagnosis\*\*** | E coli bacteraemia, presumed urinary source |
| **Background** | Diabetes Hypertension BPH -- long term catheter |
| **Presentation & Clinical Progress** | Admitted 26/2 with lower abdo pain and fever |
| **Antibiotic history** | 26/2 → co-amox iv |
| **Vital signs rules** | Febrile for 45 hours, last spike 38.4掳C, right now.  No heart rate record  No systolic blood pressure record |
| **Vital signs ds** | "Febrile, last fever 38.4°C, 0 hours ago.  No Heart Rate Record.  No Blood Pressure Record." |
| **Physical exam** | Abdo soft and non tender |
| **Micro results** | 26/08 – RESP. CULT AND MICRO – \*\*No clear Result\*\*  Summary: Low levels of commensal flora (CoNS, Viridans Strep).  26/08 – RESP. CULT AND MICRO – \*\*No clear Result\*\*  Summary: Low coagulase–negative Staph and Strep viridans (<10^4).  26/08 – UC – \*\*No clear Result\*\*  Summary: Antibiotic usage advice without pathogen detection.  (The ResultFull provides prescribing guidance but does not report microbiological findings like organism presence, growth, or resistance patterns.)  26/08 – UC – CATHETER SPECIMEN URINE (CSU)PERIPHERAL–LEFT NO SIGNIFICANT GROWTH  26/08 – C difficile(GDH) – Negative  26/08 – BLC – PERIPHERAL–LEFT NO GROWTH AFTER 5 DAYS  24/08 – RESP. CULT AND MICRO – \*\*No clear Result\*\*  Summary: Neisseria spp., Strep viridans below threshold.  \*\*Reasoning:\*\*  – Both organisms are reported at <10⁴ CFU/mL, a common threshold for clinical significance in BAL cultures.  – Below this threshold, they are typically considered non–pathogenic (e.g., colonization or contamination).  – No definitive pathogens or growth above the cutoff are identified.  – The result does not meet criteria for definitive positivity or negativity.  24/08 – RESP. CULT AND MICRO – \*\*No clear Result\*\* +  Summary: Low growth of commensal organisms.  24/08 – UC – \*\*No clear Result\*\*  Summary: Antibiotic recommendations without pathogen details.  24/08 – UC – CATHETER SPECIMEN URINE (CSU) NO SIGNIFICANT GROWTH  24/08 – BLC – PERIPHERAL–LEFT NO GROWTH AFTER 5 DAYS  22/08 – UC – \*\*No clear Result\*\*  Summary: Antibiotic usage advice without microbiological findings.  22/08 – UC – CATHETER SPECIMEN URINE (CSU)CATHETER SITE SWAB NO SIGNIFICANT GROWTH  21/08 – RESP. CULT AND MICRO – BRONCHO–ALVEOLAR LAVAGE NO GROWTH  21/08 – BLC – PERIPHERAL–LEFT NO GROWTH AFTER 5 DAYS  20/08 – SARS CORONAVIRUS–2 PCR – \*\*No clear Result\*\*  Summary: Internal control (MS2) detected; no pathogen data.  20/08 – CPE SCREEN – \*\*Negative\*\*  Summary: No CPE pathogens isolated.  20/08 – SARS–CoV–2 RNA – Negative  20/08 – MRSA SCREEN – \*\*Negative\*\*  Summary: No MRSA isolated. |
| **Blood results** | 28/2 WCC 14 (falling, from 20 on 26/2); CRP 150 (from 300 on 26/2) |
| **Imaging** |  |
| **Discussion** | With team F1, David |
| **\*\*Advice\*\*** | Continue current antibiotics Consider changing catheter while on antibiotics If remains febrile consider ultrasound of urinary tract We will review with final microbiology results |
| **Signed** | David Eyre, Consultant in Infection |
| **Responsible consultant** | David Eyre |