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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 5 days, last spike 37.8掳C.  No heart rate record  No systolic blood pressure record |
| **Vital signs ds** | Afebrile, last fever 0 days ago.  No Heart Rate Record.  No Blood Pressure Record. |
| **Physical exam** | Abdo soft and non tender |
| **Micro results** | 29/08 – BLC – PERIPHERAL–RIGHT NO GROWTH AFTER 5 DAYS  28/08 – BLC – PERIPHERAL–LEFT NO GROWTH AFTER 5 DAYS  28/08 – UC – CATHETER SPECIMEN URINE (CSU) NO SIGNIFICANT GROWTH  28/08 – UC – \*\*No clear Result\*\*  Summary: Antibiotic usage advice, no microbiological findings.  28/08 – SARS–CoV–2 RNA – Negative  28/08 – RESP. CULT AND MICRO – \*\*No clear Result\*\*  Summary: Candida albicans, Neisseria spp. <10^4 ORGs/mL.  28/08 – RESP. CULT AND MICRO – \*\*No clear Result\*\*  Summary: Candida and Neisseria spp. below threshold.  28/08 – SARS CORONAVIRUS–2 PCR – \*\*No clear Result\*\* +  Summary: MS2 control detected; no pathogen result.  26/08 – BLC – PERIPHERAL–LEFT NO GROWTH AFTER 5 DAYS  26/08 – UC – \*\*No clear Result\*\*  Summary: Antibiotic advice; no microbiological findings stated.  26/08 – UC – CATHETER SPECIMEN URINE (CSU)PERIPHERAL–LEFT NO SIGNIFICANT GROWTH  26/08 – RESP. CULT AND MICRO – \*\*No clear Result\*\* +  Summary: Coag–neg Staph, Strep viridans <10^4.  \*\*Reasoning:\*\* Both organisms are reported below the diagnostic threshold (10^4 CFU/mL for BAL cultures), making clinical significance uncertain. While they are potential pathogens, the low colony count does not definitively indicate infection (commonly considered contamination or colonization at this level).  26/08 – RESP. CULT AND MICRO – \*\*No clear Result\*\* +  Summary: Coag–neg Staph, Strep viridans <10^4.  26/08 – C difficile(GDH) – Negative  24/08 – BLC – PERIPHERAL–LEFT NO GROWTH AFTER 5 DAYS  24/08 – UC – \*\*No clear Result\*\*  Summary: Antibiotic recommendations, no organism data.  24/08 – UC – CATHETER SPECIMEN URINE (CSU) NO SIGNIFICANT GROWTH  24/08 – RESP. CULT AND MICRO – \*\*No clear Result\*\*  Summary: Neisseria and Strep. viridans <10^4.  \*Rationale: While organisms are detected, their quantities (<10^4 CFU/mL) fall below typical thresholds for clinical significance in BAL cultures, making the result non–definitive.\*  24/08 – RESP. CULT AND MICRO – \*\*No clear Result\*\*  Summary: Neisseria spp., Strep viridans <10^4.  \*\*Explanation:\*\* The reported organisms are below the diagnostic threshold (10^4 CFU/mL), making the result inconclusive for infection. |
| **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 |