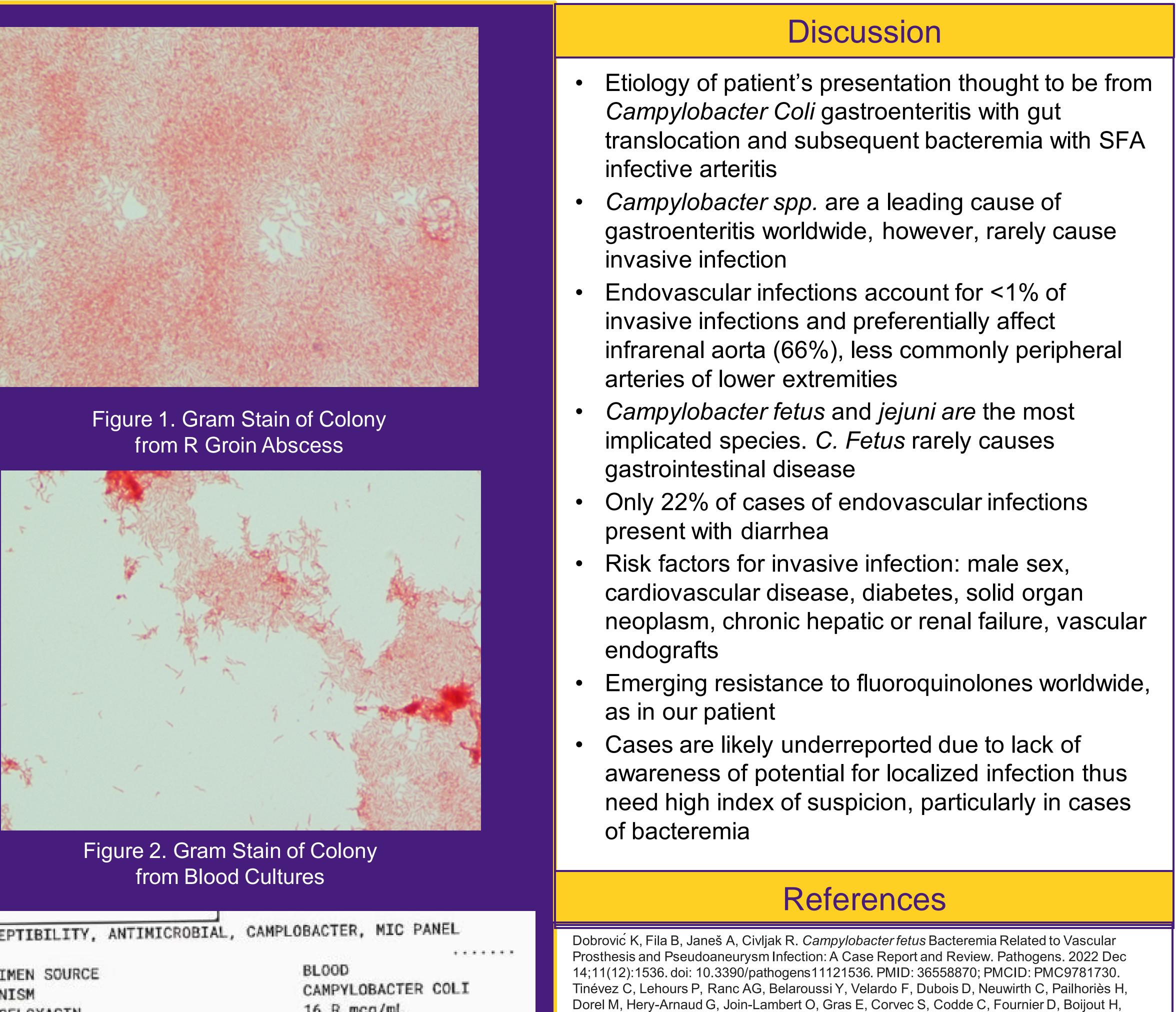
Claudication or Something More Sinister: A Case of Endovascular Infection Due to Campylobacter Coli Danielle Gilbert, DO, MPH, Hope Oddo-Moise, MD, Victoria Burke MD Section of Infectious Diseases, Department of Medicine

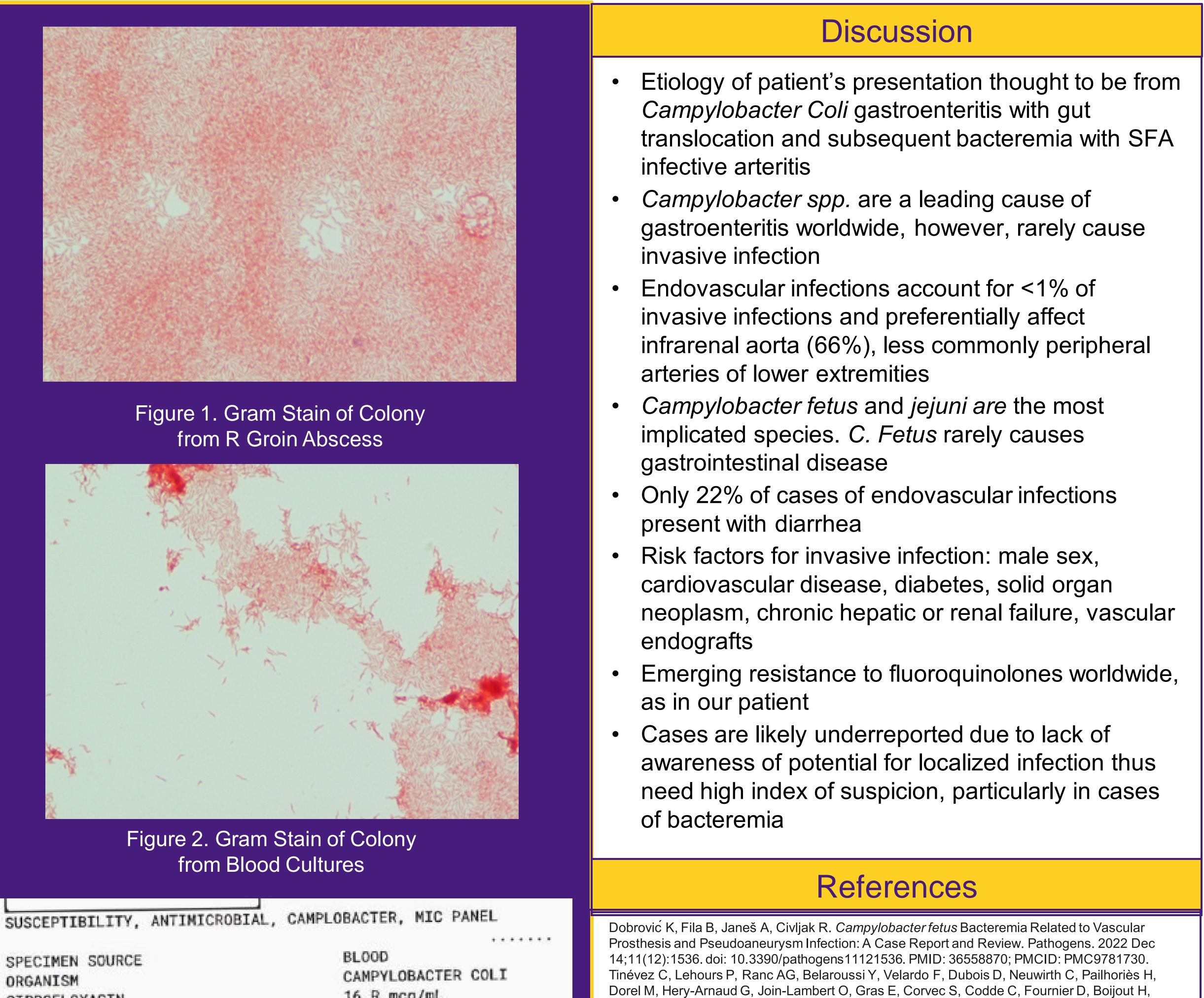


Case Presentation

- 66-year-old male with CAD, PAD, diabetes mellitus type 1, hypertension, pancreatic insufficiency with chronic diarrhea, tobacco use presented for elective aortobifemoral bypass
- Hospitalization 2 weeks prior for right medial thigh pain attributed to claudication from known PAD, workup revealing:
 - Contrasted CT Abdomen Pelvis (CTAP) edema within wall of gastric antrum, large stool burden, extensive atherosclerotic changes from abdominal aorta to iliac arteries
 - CT Right Femur and Duplex Ultrasound Right Lower extremity suggestive of pes anserine bursitis
- Intraoperatively found to have avulsed friable branch of superficial femoral artery (SFA) with thick purulence and chronic thrombosis and procedure aborted
- In PACU had fever to 102.7°F, heart rate 129, and hypotension not responsive to intravenous fluids
- Workup significant for:
 - WBC 10.8 10³/uL
 - Troponemia peaking at 19,276 ng/L
 - Transthoracic echocardiogram with newly reduced ejection fraction and regional wall motion abnormalities
 - Contrasted CTAP thrombosed right common iliac and right femoral artery, swelling and low-attenuation collections anterior to femoral vessels with soft tissue stranding, no gastrointestinal abnormalities
- Admitted to ICU for mixed septic and cardiogenic shock and and started on vancomycin, piperacillin-tazobactam, unfractionated heparin
- Unsuccessful coronary revascularization
- Blood cultures and right groin intraoperative cultures grew gram negative rods identified as *Campylobacter Coli* by MALDI-TOF, resistant to ciprofloxacin on sent out susceptibilities
- Antibiotics transitioned to intravenous azithromycin for 6-week course for *Campylobacter* bacteremia with infective endarteritis
- Significant improvement in right thigh pain on completion of antibiotics
- Ultimately deemed prohibitive risk for further vascular intervention

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SPECIMEN SOURCE ORGANISM CIPROFLOXACIN ERYTHROMYCIN TETRACYCLINE

16 R mcg/mL 2 S mcg/mL 0.2 S mcg/mL A DESCRIPTION OF A DESC

Figure 3. *Campylobacter Coli* Susceptibilities





Doat V, Bouard L, Lagneaux AS, Pichon M, Couzigou C, Letellier C, Lemaignen A, Bille E, Bérard X, Caradu C, Webster C, Neau D, Cazanave C, Puges M; Campylobacteremia Study Group. Multicenter Retrospective Study of Vascular Infections and Endocarditis Caused by Campylobacter spp., France. Emerg Infect Dis. 2023 Mar;29(3):484-492. doi:

10.3201/eid2903.221417. PMID: 36823023; PMCID: PMC9973684.