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Summary

# BULLOUS CELLULITIS CAUSED BY ESCHERICHIA COLI IN A PATIENT WITH HEPATORENAL SYNDROME

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**Case report describes a cirrhotic patient who developed E. coli bullous cellulitis of the lower limb complicated by hepatorenal syndrome, both of which resolved with antibiotics and norepinephrine.**

KEY POINTS

- A 55-year-old male with alcohol-induced liver cirrhosis and type 2 diabetes presented with left lower limb pain and was found to have bullous cellulitis caused by E. coli.
- The patient developed anuria on the fourth day of hospitalization with elevated creatinine and oliguria consistent with hepatorenal syndrome; renal ultrasound showed no alterations.
- Treatment with norepinephrine resulted in spontaneous diuresis recovery, and the patient was discharged with eventual normalization of creatinine and leukocyte count weeks later.
- The authors note that while gram-positive cocci typically cause skin infections, gram-negative bacteria should be considered in severe bullous cellulitis in cirrhosis patients, and prompt medical attention is important to improve outcomes.

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