Shewanella spp: An emerging pathogen in skin and soft tissue infection Betsy Ann Joseph M.D¹, Kinjal Solanki M.D¹, Saint Peter's University Hospital, Rutgers- RWJMS, New Brunswick, NJ USA

** ** ulcers

CASE

- ✤ A 76-year-old male with a history of type 2 diabetes and hypertension was brought to the ED with complaints of swelling and redness of the left lower extremity for 2 days and chills for 1 day.
- On admission, the patient was in sepsis and was noted to have swelling and redness of the left lower extremity consistent with cellulitis.
- he was an avid gardener and ** reported frequent abrasions of the skin especially the lower extremities.
- Reported seawater exposure a week ••• prior to the onset of symptoms.

INVESTIGATIONS

White count – 11.1, 80 % Neutrophils, ** 7.4 % lymphocytes, 12% monocytes. Blood cultures- Shewanella algae – ** Susceptible Trimethoprim/Sulfate, Ciprofloxacin, Tetracycline and vancomycin





INTRODUCTION

Shewanella spp are saprophytic, motile gram-negative rods that are ubiquitous, particularly in proteinaceous fish, iced fish, and marine habitats. Shewanella spp has been implicated in skin and soft infections in humans, especially in those with peripheral vascular disease, diabetes, chronic kidney disease, and chronic leg





CLINICAL COURSE

- Empirically started on Vancomycin • and Piperacillin- Tazobactam on admission.
- Antibiotics were narrowed down to • Piperacillin- Tazobactam and subsequently de-escalated to oral ciprofloxacin to complete a 14-day course from the day of clearance of the bacteremia.
- ** clearance of the bacteremia.
- He also had a venous duplex of the ••• for chronic venous insufficiency

Our case illustrates ••• in skin and soft tissue infections. ** habitat and the break of the skin our patient at risk for Shewanella infection.

Repeat blood cultures demonstrated lower extremities which was negative

DISCUSSION

that Shewanella spp, is increasingly being recognized as a causative agent The setting of exposure to marine barrier due to the recurrent abrasions and lacerations from the gardening put