


FIRST CASE OF ACUTE CHOLECYSTITIS DUE TO VEILLONELLA SPP AND REPORT OF A SERIES OF INFECTIONS DUE TO THE ELUSIVE ANAEROBE AT A RURAL HOSPITAL

SAGES 2025
Long Beach, CA

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Background: Veillonella spp

- Gram-negative anaerobic cocci
- part of the human intestinal flora
- rarely implicated in diseases
- yield within the microbiome increases with physical activity with high lactic acid levels
- Veillonella may improve performance during endurance training

Patients and Methods

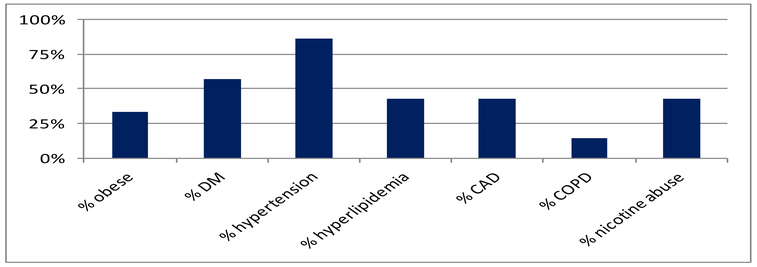
- Index case: Veillonella cholecystitis
- not been reported previously
- Institutional database searched for all cases of GM infections during 4 years (2018-2022)
- Isolation and Identification of GM
  - Biochemical assay, MALDI-TOF: 2021

Results

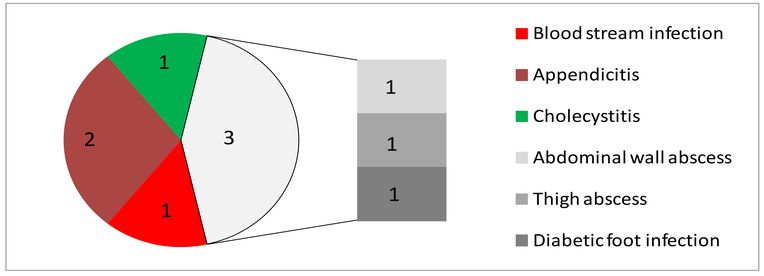
- 8 isolates of GM in 7 patients: all male
- Median age: 61.2 (range 38.5 to 81.8) years
- Median BMI: 29 (range 20.9 to 31.4) kg/m2

Index patient: laparoscopic cholecystectomy

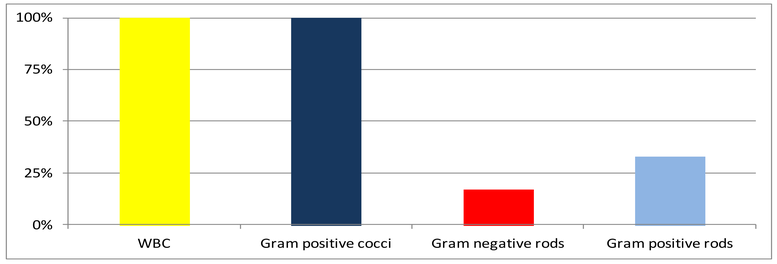
Comorbid conditions



Type of infection

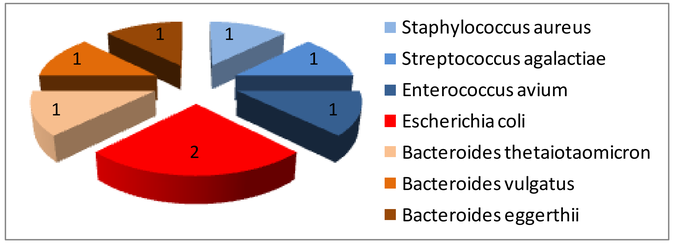


Microscopy of 6 specimens



- Monomicrobial 2, polymicrobial 5

Co-pathogens



- All infections successfully treated
  - Source control: I&D, amputation, debridement, appendectomy/cholecystectomy
  - Antibiotics: Betalactams, Clindamycin, Flagyl

Summary and Conclusions

- 1st case of Veillonella spp cholecystitis
- Veillonella spp may cause other infections
- Most commonly part of mixed infection
- In contrast to the reported colonization preference within the microbiome of athletes, in our series middle aged and elderly men with multiple co-morbidities were mainly affected