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BACKGROUND¹⁻³

- Eravacycline is a synthetic tetracycline with broad in-vitro activity
- Eravacycline has been associated with common adverse reactions including nausea, vomiting, and infusion related reactions
- Tigecycline, a similar broad spectrum synthetic tetracycline, found to have an association been has hypofibrinogenemia (<200 mg/dl)
- Hypofibrinogenemia may also be associated with eravacycline

PURPOSE

- Describe two cases of hypofibrinogenemia associated with eravacycline encountered in clinical management of transplant patients being treated for Mycobacterium abscessus infections
- Explore if additional monitoring of fibrinogen levels may be needed during treatment courses involving eravacycline

PATIENT PRESENTATION

- Patient 1
 - –Deceased Donor Kidney Transplant in 2010
 - -Admitted for hypoxic respiratory failure from COVID-19 (resolved)
 - infectious workup -Routine found *M.abscessus* infection (blood stream and respiratory)
 - -Empiric therapy with azithromycin, imipenem, tedizolid, and eravacycline
 - -Fibrinogen at baseline: 448 mg/dl
- Patient 2
 - –Bilateral Orthotopic Lung Transplant in 2019
 - –Admitted for management of *M.abscessus* skin and soft tissue infection
 - -Empiric therapy with tigecycline, linezolid, imipenem, and azithromycin
 - -Concern for tigecycline-induced hypofibrinogenemia led to eravacycline switch
 - -Fibrinogen at time of change: 167 mg/dl

References

- 1. Xerava [Package Insert]. Watertown, MA: Tetraphase Pharmaceuticals Inc.; 2018
- 2. Guo M, Liang J, Li D, et al. Coagulation dysfunction events associated with tigecycline: a real-world study from FDA

Authors of this presentation have the following to disclose concerning possible financial or personal relationships with commercial entities that may have a direct or indirect interest in the subject matter of this presentation: Nothing to disclose

Eravacycline Associated Hypofibrinogenemia During Treatment of Mycobacterium abscessus





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