

Antimicrobial treatment of non-HACEK left sided endocarditis

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Abstract

Infective endocarditis (IE) with non-HACEK Gram-negative (GN) microbes is rare, but it is related with poor results. The purpose of this research was to quantify the microbiology, treatment approaches, and frequency of poor results in patients with non-HACEK GN IE.

In our study, the most general antibiotics used in combination with a β -lactam were aminoglycosides (50%) and fluoroquinolones (34%). For some patients discontinued combination therapy due to toxicity. Twelve-month, all-cause mortality and readmission was 30% and 54% correspondingly. In multivariable logistic regression, variables individually related with composite poor conclusion were receipt of fluoroquinolone-based IE combination therapy and septic shock.

Conclusions: Long-term mortality & readmission rates were high. Patients who received fluoroquinolone-based IE combination therapy are more repeatedly developed poor outcomes than those who did not.



Biography

Shorman, MA is a board certified Internal Medicine/Infectious Diseases specialist, he is the infectious diseases division director at the University of Tennessee Medical Center and he is also the antimicrobial stewardship program director and he is an Associate professor at the Graduate School of Medicine. Dr Shorman has a master's degree in health care administration from UAB and has many peer-reviewed publications in the field of infectious diseases and antimicrobial resistance.

Publication

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