



Clinical Effectiveness and Adverse Events of Outpatient Parenteral Antimicrobial Therapy for Bacteremia: Evidence from Malaysia

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Introduction

- Bacteraemia often require long intravenous antimicrobial therapy, placing strain on healthcare systems.¹
- Outpatient Parenteral Antimicrobial Therapy (OPAT) provides a cost-effective, patient-centered alternative to inpatient care.²
- As its use expands, thorough evaluation is needed to assess its effectiveness, safety, and impact on patient outcomes.

Methods

Study design : Retrospective cohort of patients ≥18 years old who received OPAT for bacteraemia

Study period : January 2023 to December 2025

Study setting : 13 public hospitals

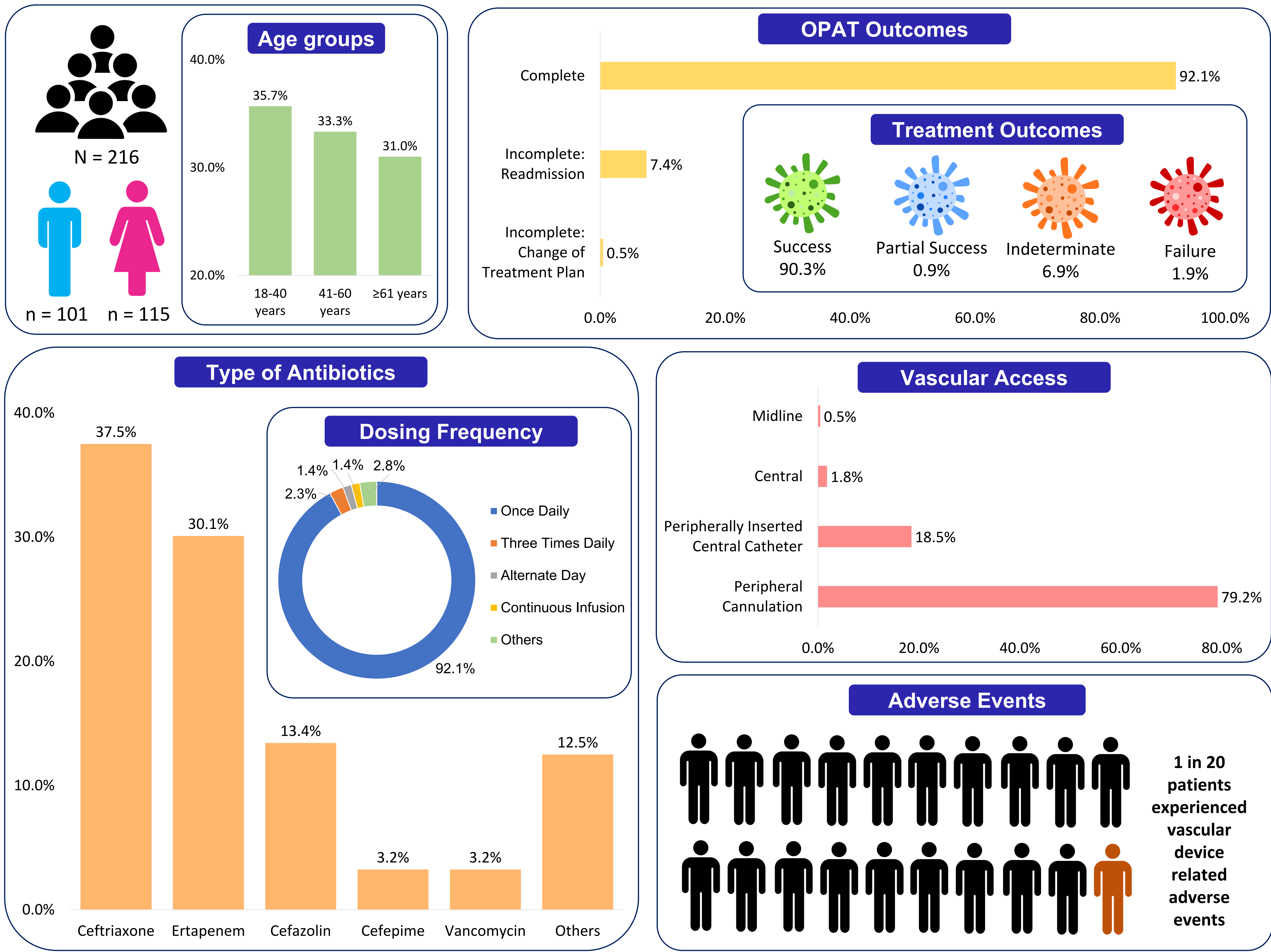
Study outcomes : Treatment outcomes, adverse events

Data collection : REDCap **Data analysis** : R

Objective

This study aimed to describe the clinical effectiveness and adverse events of OPAT for bacteraemia in Malaysia.

Results



Discussion & Conclusion

OPAT is relatively safe and well-tolerated for the treatment of bacteraemia. These findings support the suitability and safety of OPAT when implemented with appropriate and judicious patient selection. A comprehensive OPAT program can provide a good treatment option with efficient bed utilisation to optimise the provision of health services in Ministry of Health facilities in Malaysia.

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References

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