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Rate and associated factors of NOAC-induced bleeding in patients with nonvalvular atrial fibrillation in ¹Department of Pharmacy, Faculty of Medicine, University of Malaya, ²Department of Medicine, Faculty of Medicine, University of Malaya

INTRODUCTION

- Bleeding events complicate the use of Novel oral anticoagulants (NOACs).
- □ There is sparse information on the rate and the factors associated with NOACinduced bleeding events in Malaysian patients with nonvalvualr atrial fibrillation (NVAF).

OBJECTIVES

To determine the rate and the factors associated with bleeding events among patients with NVAF receiving dabigatran or rivaroxaban therapy for stroke prevention.

METHODS

Identified patients with NVAF, aged ≥ 18 years receiving dabigatran or rivaroxaban from 2010 to 2013 at the University of Malaya Medical Centre (UMMC) in Malaysia

Reviewed and extracted demographic and clinical data from electronic medical records

> Excluded patients with no follow-up visits

Identified the occurrence of bleeding events

Classified bleeding events based on the International Society on Thrombosis and Hemostasis (ISTH) criteria

Identified the influencing factors associated with bleeding events using binary logistic regression models

Figure 1. Flow chart of study procedures.



Abbreviation: ACEI, Angiotensin-converting-enzyme inhibitor

Adjusted OR	95% CI	P value
2.584	1.194 - 5.674	0.016*
2.536	1.233 - 5.302	0.011*
2.530	1.205 - 5.373	0.014*

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CONCLUSION

□ NOAC-induced major bleeding episodes were infrequent but carried a high fatality risk.

Interventional programs for bleeding prevention should target older patients, patients with congestive heart failure and those receiving ACEI therapy.

REFERENCES

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