

Hypotension and respiratory events related to electrical cardioversion for atrial fibrillation or atrial flutter in the emergency department

Electrical cardioversion (ECV) for atrial fibrillation/flutter is common in the ED

A hypotensive event occurred in 62 (3.6%) patients

A respiratory event occurred in 179 (10.3%) patients

Previous work showed that:

Hypotension

&

Respiratory events



were important adverse outcomes for ECV for atrial fibrillation/flutter



Hypotension was associated with:

Fentanyl use



OR **2.01**
(1.15-3.51)

Home beta-blocker use



OR **1.92**
(1.14-3.21)



Respiratory events were associated with:

Older age



OR **2.02**
(1.30-3.15)

Midazolam use



OR **1.99**
(1.02-3.88)

Take Home Message: Clinicians treating these patients should be aware of adverse effects associated with ECV, & their risk factors

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