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Induction of thoracic aortic dissection: A mini review of β-aminopropionitrile-related mouse models

Key words: Thoracic aortic dissection (TAD), β-Aminopropionitrile, Angiotensin II (AngII), Mouse models, Hypertension

Research Summary

This mini review focused on β-aminopropionitrile (BAPN)-related mouse thoracic aortic dissection (TAD) models, and mainly introduced three emerging experimental mouse TAD models:

- **TAD induced by BAPN alone**
- **TAD induced by sequential administration of BAPN then Ang II**
- **TAD-induced by co-administration of BAPN and AngII**

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Innovation points

- **Introduction** of the three emerging BAPN-related mouse TAD models.

- **Summary** of the main characteristics of each BAPN-related mouse TAD model.

- **Emphasis** of the relationship between TAD patients and different mouse models.

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Innovation points

Three comprehensive tables were generated to summarize BAPN-related mouse TAD models.

Table 1 | The details of BAPN-only mouse TAD models.

Table 2 | The details of sequential BAPN and AngⅡ mouse TAD models.

Table 3 | The details of combined BAPN and AngⅡ mouse TAD models.

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