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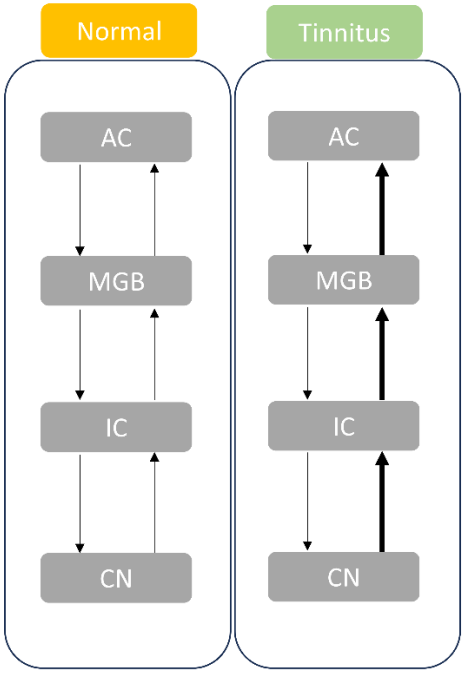
Neuroscientific therapies for subjective tinnitus

Key words: Tinnitus; Neuromodulation; Magnetic stimulation; Electrical stimulation; Light stimulation

Research Summary

This review mainly focused on the neuroscientific therapies for subjective tinnitus, and summarized the key roles they played in the following aspects:



- **Tinnitus mechanisms**
- **Features of neuromodulation technologies**
- **Neuromodulation in tinnitus management**
- **Future prospects for neuromodulation development**

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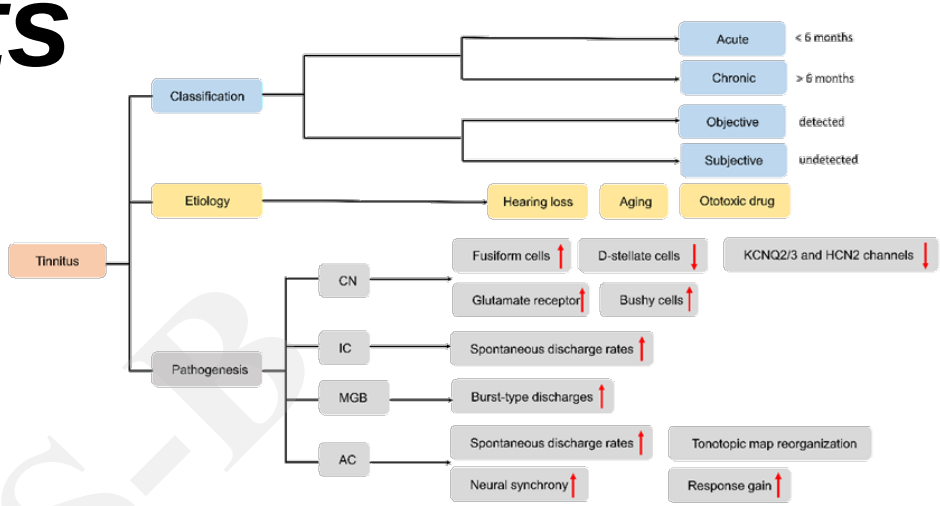
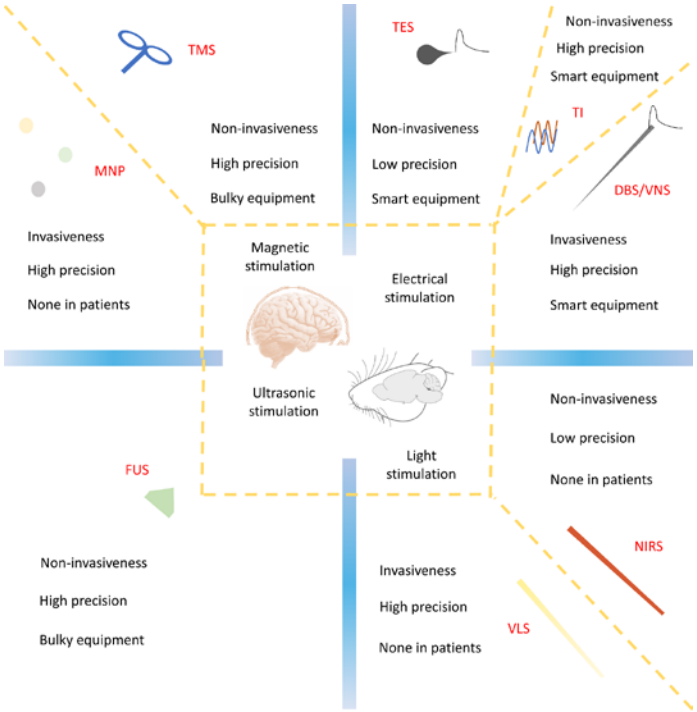
Innovation points

- **Introduction** of the tinnitus mechanism and neuromodulation features.

- **Summary** of the most updated research progress about neuromodulation in tinnitus.

- **Emphasis** on the future prospects for development of neuromodulation in treating tinnitus.





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Innovation points

A series of comprehensive figures and tables were generated to summarize the latest knowledge about neuromodulation in treating tinnitus.

Figure1 | Classification, etiology and pathogenesis of tinnitus.

Figure 2 | Flowchart of neural circuits involved in tinnitus generation and modulation.

Table 1 | Neuromodulation methods.

Table 2 | Neuromodulation for tinnitus.

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