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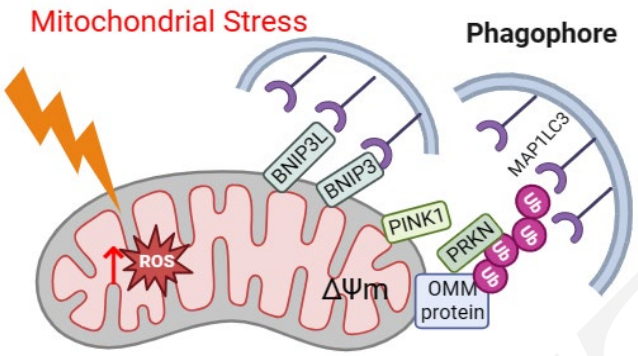
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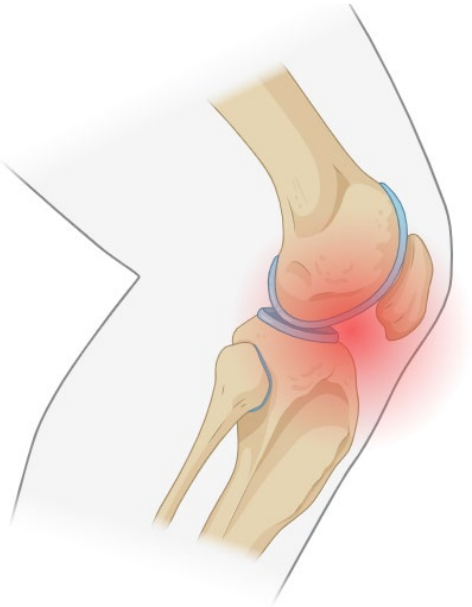
Advances in the study of mitophagy in osteoarthritis

Key words: **Mitophagy, Osteoarthritis, Chondrocyte, Mitochondria, Apoptosis**

Research Summary

This manuscript focus on the important role mitophagy plays in promoting chondrocyte survival by reducing mitochondria related apoptosis in the following aspects:





- **PRKN-dependent pathways**
- **PRKN-independent pathway**

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Innovation points

- **Introduction** of the overview of autophagy and mitophagy

- **Summary** of the relationship between Mitophagy and OA progression.

- **Emphasis** of the two important pathways—PRKN-dependent pathways and PRKN-independent pathways in OA disease.

Comprehensive table was generated to summarize the latest knowledge about mitophagy in OA

Table 1 | Mitophagy in OA

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