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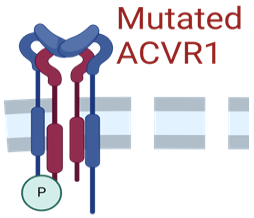
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Advancements in mechanisms and drug treatments for fibrodysplasia ossificans progressiva

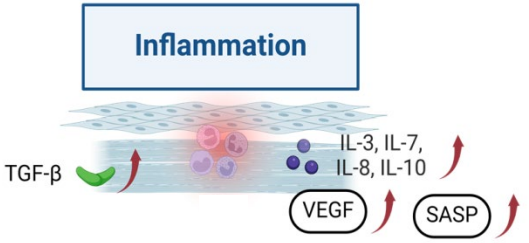
Key words: Fibrodysplasia ossificans progressive (FOP); Heterotopic ossification (HO); Mechanism; Drug treatment; Activin A receptor type 1 (ACVR1)

Research Summary

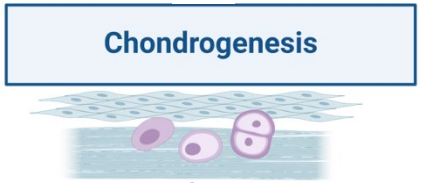
This review provides an overview of progress in understanding the mechanism of FOP and the development of therapeutic drugs in the following three aspects, with the goal of providing insights for further research and the development of new treatment methods.



- **Mutation of the Acvr1 gene and changes in TGF-β/BMP signaling pathways**



- **Inflammation in FOP**



- **Other mechanisms and drug treatments in FOP**

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Innovation points

- **Summary** of the advancements in understanding the mechanisms of FOP and the development of therapeutic drugs.
- **Discussion** of the current difficulties and possible new directions in the development of FOP therapeutic drugs.

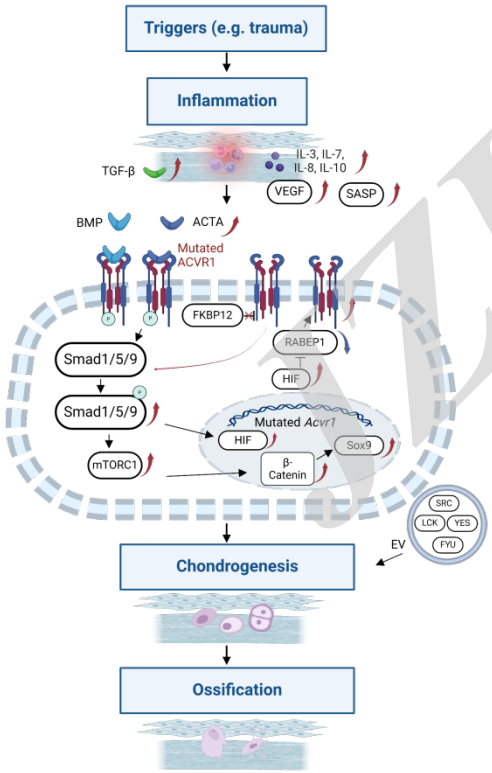


Figure 1

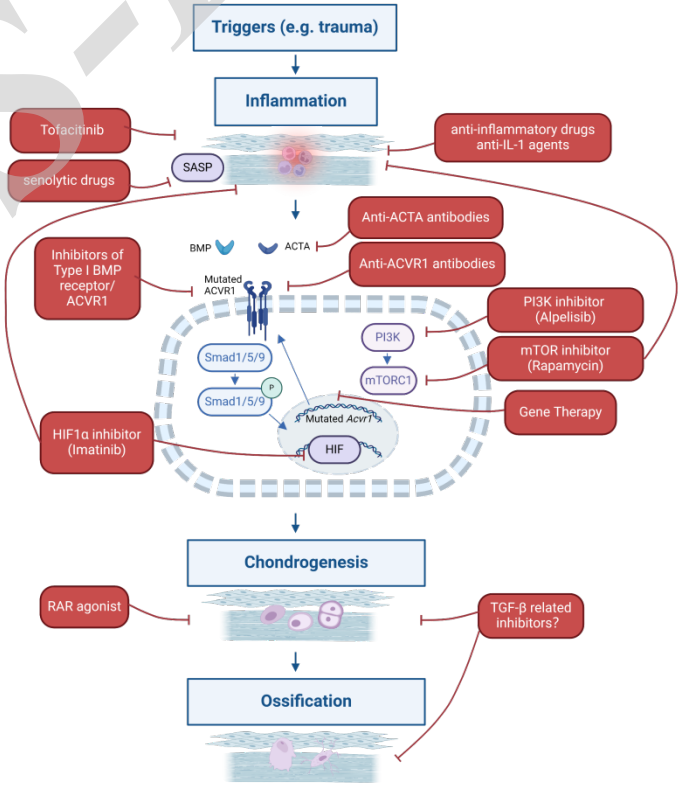


Figure 2

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