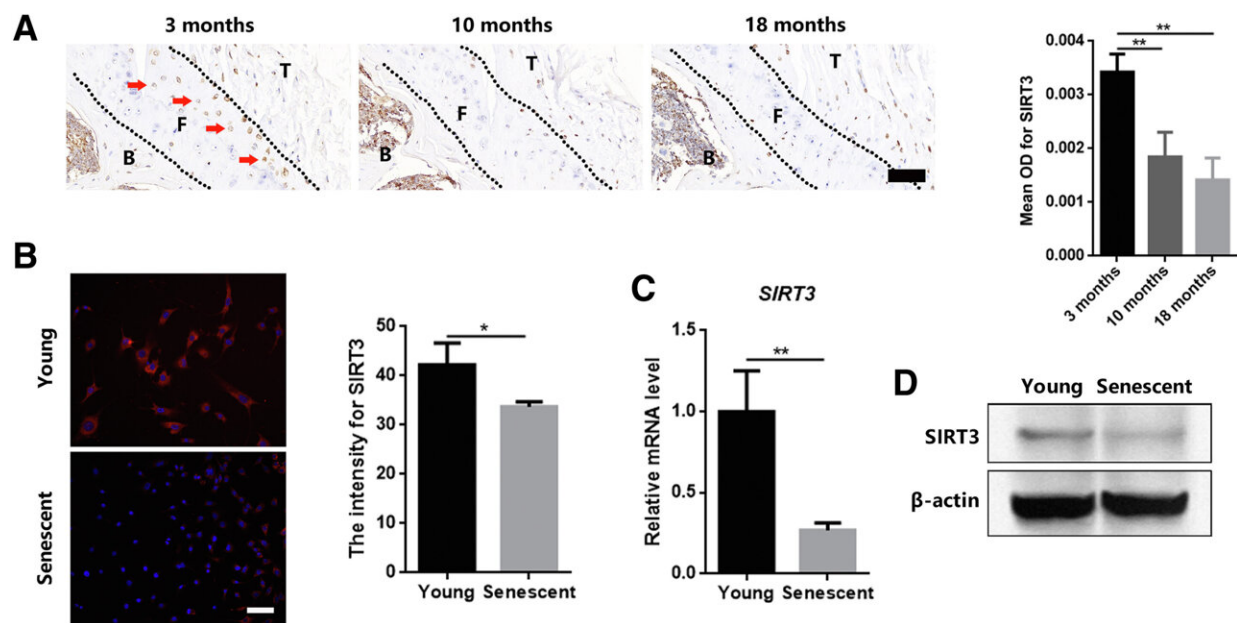


Promising results for the development of a nonsurgical treatment for degenerative rotator cuff injury in the elderly

June 20 2023



Sirtuin 3 (SIRT3) is down-regulated at fibrocartilage (F) layer of rotator cuff in aged mice. A: Representative images of immunohistochemical staining for SIRT3 at fibrocartilage layer of rotator cuff among 3-, 10-, and 18-month-old mice, and quantitative analysis. The region between the dashed lines is the fibrocartilage layer. Red arrows: SIRT3⁺ chondrocytes. B: Immunofluorescence staining for SIRT3 in young and senescent chondrocytes and quantitative analysis. C and D: Relative mRNA expression level of SIRT3 and representative Western blot analyses for SIRT3 expression level in young and senescent chondrocytes. Data are presented as the means \pm SD (A–C). *P

Citation: Promising results for the development of a nonsurgical treatment for degenerative rotator cuff injury in the elderly (2023, June 20) retrieved 11 May 2024 from <https://medicalxpress.com/news/2023-06-results-nonsurgical-treatment-degenerative-rotator.html>

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