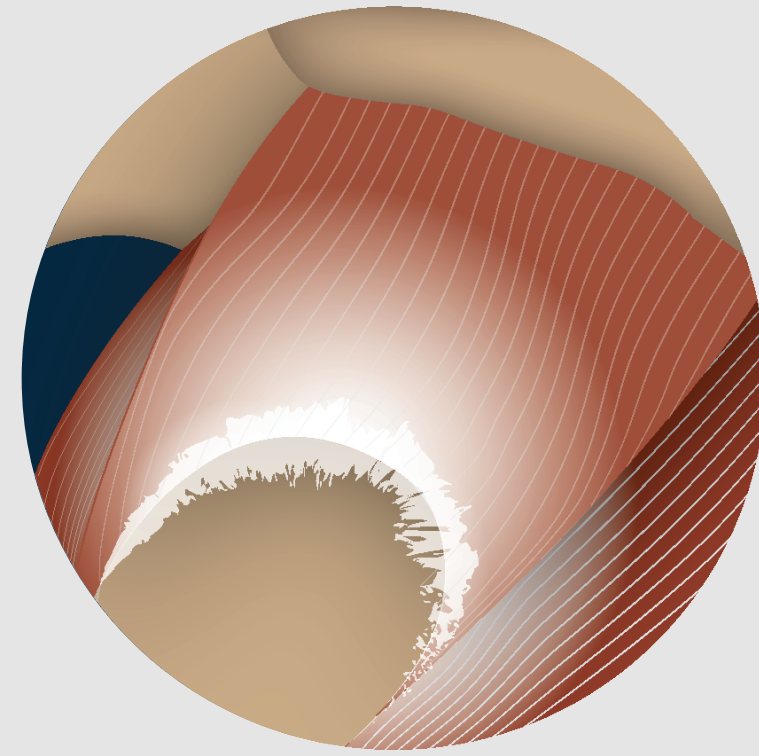


The Role of Genetics and Environmental Factors on Rotator Cuff Degeneration



The study evaluated the influence of...

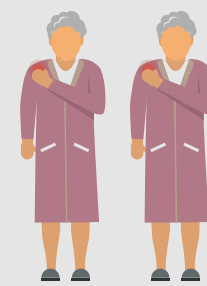


Genetic



Environmental

...factors on rotator cuff degeneration in elderly twins



17 monozygotic pairs



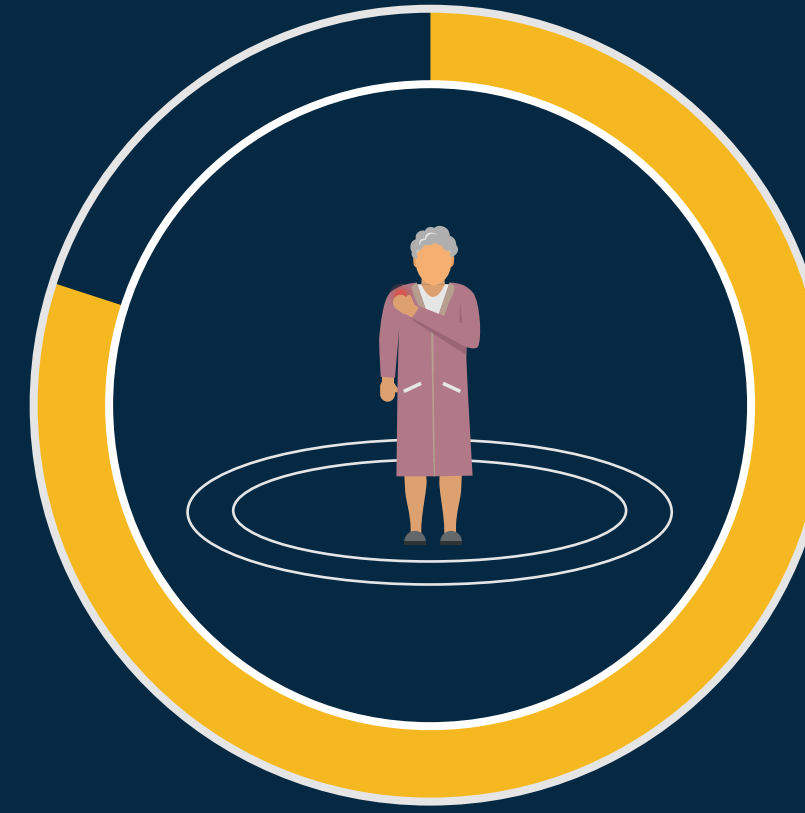
16 dizygotic pairs

...using the Sugaya classification by MRI

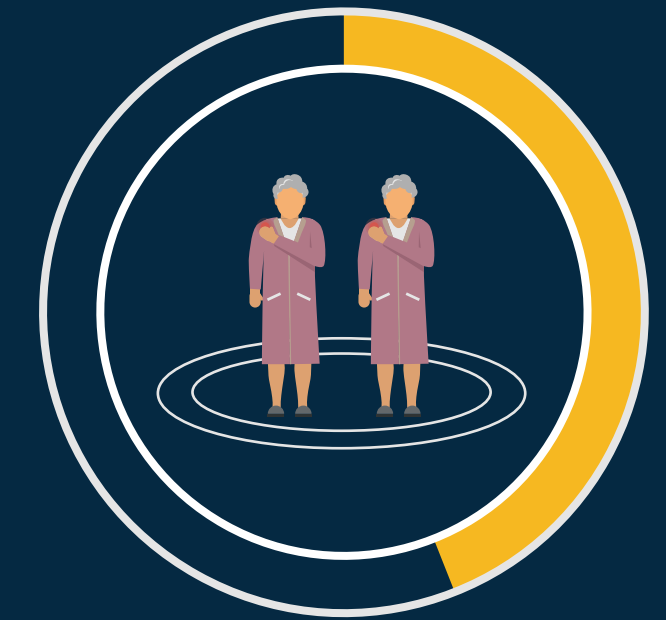
Only environmental factors significantly influenced rotator cuff degeneration



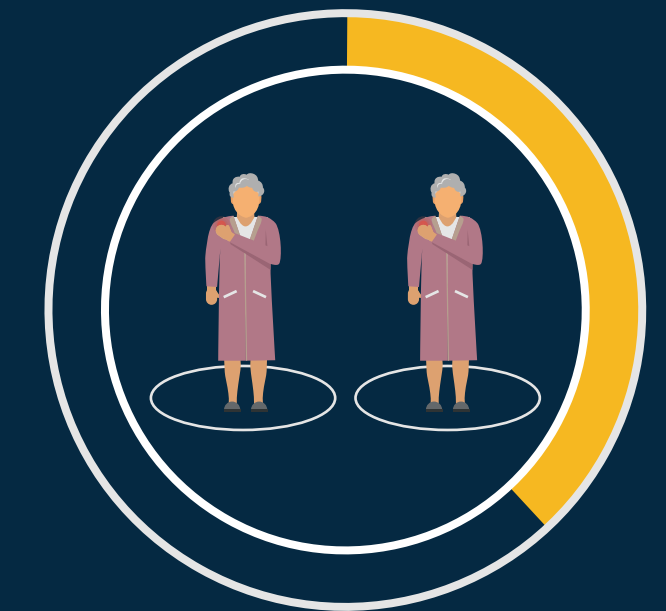
18%
Genetics



82%
Environment



44%
Shared
environment



38%
Unique
environment



Environmental factors, rather than genetics, may have greater impact, but these results are partial to the effects of shared and unique environments

Rotator Cuff Degeneration: The Role of Genetics

Gumina et al. (2019)

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