Smart stretch expands hip implant performance

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They do this because they are made from a material that gets thinner when it stretches, as most materials do.

To solve this problem, scientists in the Netherlands added a material to the implant that gets thicker when it stretches – it has a negative poisson ratio.

This means the implant can stay in contact with the bone for longer, and so the implant will last longer.

Read the full article at rsc.li/2zjjN5y, published 27 October 2017
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Have a think about:
1. Why is it better if the hip implant lasts longer?
2. How would you feel if you had to have a hip replacement?
3. Who do you think should pay for research like this?

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