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Isolating stretch vibrations

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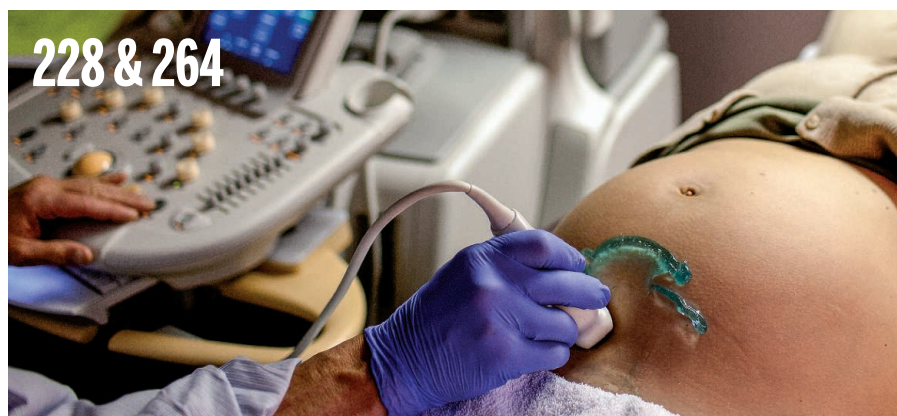
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## ON THE COVER



The near-Earth carbonaceous asteroid 162173 Ryugu, seen from the Hayabusa2 spacecraft. This super-resolution image was produced by combining seven separate exposures. The view has been rotated; south is at the top. Hayabusa2 measurements of Ryugu's shape, density, surface features, and composition indicate that it probably formed from reaccumulating rubble ejected from a larger asteroid as the result of an impact. See pages 230, 252, 268, and 272. *Image: JAXA/U. Tokyo/Kochi U./Rikkyo U./Nagoya U./Chiba Inst. Tech./Meiji U./U. Aizu/AIST*

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