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Cover: Human spermatozoa demonstrating sperm swelling (left panel) after exposure to a hypoosmotic solution (HOS test) compared to untreated spermatozoa (right panel), magnification $\times 1000$. Photographic assistance by V. Winfrey and G. Olson, Histology and Photomicroscopy Core Laboratory, Center for Reproductive Biology Research, Vanderbilt University, Nashville, Tennessee. See article by Rogers and Parker.