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**THIS ISSUE’S COVER**

The images depict daily leptin bolus partially suppressing marrow adipose tissue expansion during caloric restriction (middle) compared to caloric restriction without leptin (left) and normal diet control (right), as indicated by extent of OsO4 staining (dark grey).

From Devlin et al. 229 295–306.

Credit: D J Brooks, M L Bouxsein (Beth Israel Deaconess Medical Center, Boston, USA)

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