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COVER
Fluorescence microscopy image showing fragmentation of chromosomal DNA (green) during programmed cell death or apoptosis in a Caenorhabditis elegans embryo. Chromosomes are stained blue and nuclear envelopes red. During apoptosis, the ribonuclease Dicer, known for its role in gene silencing, is converted to a deoxyribonuclease and initiates this DNA fragmentation process. See page 327.

Image: Jay Parrish/University of Colorado

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F. H. El-Khatib et al. An algorithm continuously delivers appropriate insulin and glucagon doses to diabetic patients, maintaining their blood glucose at normal values, even after high-carbohydrate meals.

T. Janowicz and D. K. Menon
The methods and devices used in the clinical management of neurological patients can provide data to facilitate progress in treating brain trauma.

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Science 328 (5976), 283-380.