

The cells of a patient's heart, lungs, liver, kidney, brain—you name it—can be replicated on this chip to help researchers develop individualized treatments.



THE

FUTURE

OF

HOW NEW TECHNOLOGIES AND ANCIENT REMEDIES

ARE TRANSFORMING HEALTH CARE

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On the Cover

This composite photo shows highly magnified, functioning spinal cord tissue (background) that's micro-engineered onto a chip, which researchers can use to study disease.

CRAIG CUTLER (HAND WITH CHIP); SAMUEL SANCES, CEDARS-SINAI (BACKGROUND)

SPECIAL ISSUE: MEDICINE



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PROOF

Home Pharma

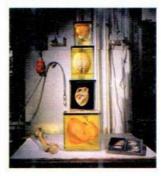
Hidden away in the world's bathrooms, closets, and cabinets, pills, syrups, tonics, ointments, and other medicines pile up. PHOTOGRAPHS BY GABRIELE GALIMBERTI



THROUGH THE LENS

Doctor Photographer

Choosing between two consuming vocations.
BY MAX AGUILERA-HELLWEG



INTERVIEW

Watch What-and When-You Eat

Timing is everything.
BY MICHAEL ROIZEN
AND MICHAEL GRUPAIN

DATA SHEET

Health Care Spending

High costs don't always yield better outcomes. BY ALBERTO LUCAS LÓPEZ AND RYAN T. WILLIAMS



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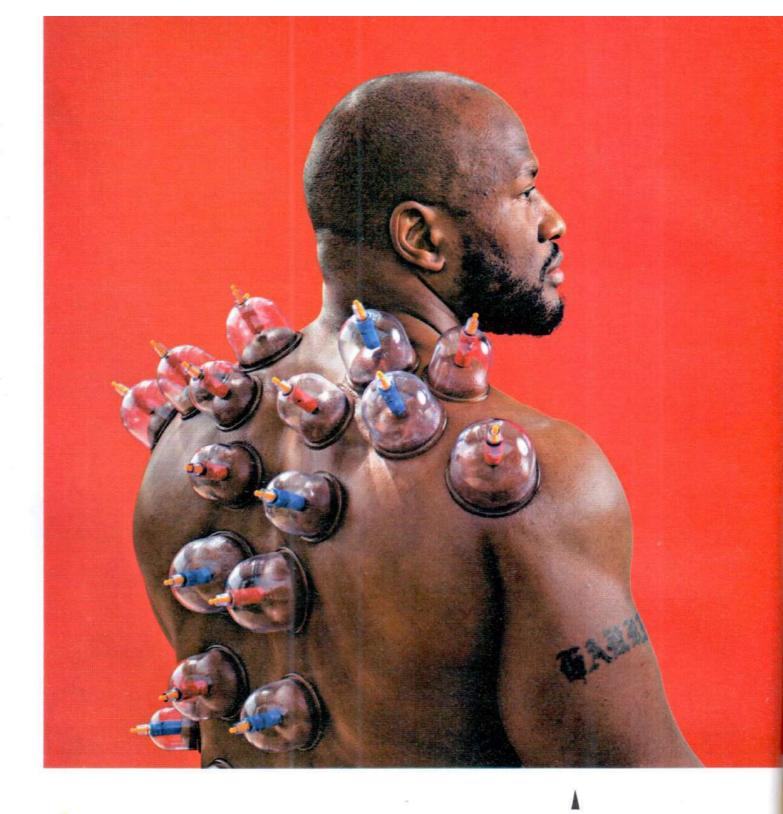
THE BIG IDEA

The Future of Medicine

Ever present and hyperconnected, the high-tech medical treatments of the future will focus on well-being and prevention. BY DANIEL KRAFT

ALSO

- Cutting-Edge Music to Boost Preemies' Brains
- Selfies Look for Cancer
- Contact Lenses May Track Glucose Levels
- 3D Printers Manufacture Missing Limbs
- · Robot Rehab Coaches



FEATURES

Every Body Is Unique

Built on stunning advances in gene research and data mining, precision medicine devises treatments tailored to a patient's specific biochemical makeup. This new approach has the potential to upend decades of medical practice.

BY FRAN SMITH PHOTOGRAPHS BY CRAIG CUTLER

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The Immortal Corpse

An elderly woman donated her body to a researcher's ambitious project. He froze it, sliced it 27,000 times, and took pictures. The result: a virtual cadaver that can be examined by medical students and help them understand how, in life, she was put together.

BY CATHY NEWMAN PHOTOGRAPHS BY

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The Truth About Maternal Mortality

The Secrets of

BY PETER GWIN

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FRITZ HOFFMANN

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Modern science exam-

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Rates are relatively high for American women. BY RACHEL JONES PHOTOGRAPHS BY LYNSEY ADDARIO

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