American Journal of Public Health

Volume 100, Issue. 2(February 2010)

Letters

**Nicotine anonymous may benefit nicotine-dependent individuals**
Irene Glasser
Page: 196

**Goodwin et al. respond**
Renee D. Goodwin, Katherine M. Keyes, and Deborah Hasin
Page: 196

**Ethics-based public health policy?**
Carlo Petrini
Page: 197

**HIV Prevention interventions for black MSM**
Patricia Coury-Doniger, Leo Wilton, Jeffrey H. Herbst, and Thomas M. Painter
Page: 198

**Erratum In: Rallying Point: Charles Lee’s Longstanding career in environmental justice**
D S Morrison
Page: 198

**Erratum In: Strike mortality among Alaska native people**
R D Homer and others
Page: 199

**Erratum In: Environmental justice: A continuing commitment to an evolving concept**
L S Birnbaum and others
Page: 199

**Editor's choice**

**Integrating Public Health Across Sectors**
Mary E. Northridge
Page: 200

**Field action report**

**The Impact of Fathers’ Clubs on Child Health in Rural Haiti**
Elizabeth Sloand, Nan Marie Astone, and Bette Gebrian
Government, politics, and law

Integrating Public Health and Personal Care in a Reformed US Health Care System
Dov Chernichovsky and Arleen A. Leibowitz
Page: 205

Ancillary Care in Community-Based Public Health Intervention Research
Maria W. Merritt, Holly A. Taylor, and Luke C. Mullany
Page: 211

The Impact of Food Prices on Consumption: A Systematic Review of Research on the Price Elasticity of Demand for Food
Tatiana Andreyeva, Michael W. Long, and Kelly D. Brownell
Page: 216

Public health then and now

Designing HIGH-COST Medicine Hospital Surveys, Health Planning, and the Paradox of Progressive Reform
Barbara Bridgman Perkins
Page: 223

Voices from the past

How to Get and Keep Competent Health Officers
George W. Goler
Page: 234

George Washington Goler: The Biggest Crank and the Best Health Officer in the United States
Theodore M. Brown and Elizabeth Fee
Page: 237

Images of health

Nothing to Work With but Cleanliness: The Training of African American Traditional Midwives in the South
Sheena M. Morrison and Elizabeth Fee
Page: 238

Framing health matters

The Food Industry and Self-Regulation: Standards to Promote Success and to Avoid Public Health Failures
Lisa L. Sharma, Stephen P. Teret, and Kelly D. Brownell
Page: 240

**A Systematic Review of the Effectiveness of Peer-Based Interventions on Health-Related Behaviors in Adults**
Allison R. Webel, Jennifer Okonsky, Joyce Trompeta, and William L. Holzemer
Page: 247

**The Connection Between Art, Healing, and Public Health: A Review of Current Literature**
Heather L. Stuckey and Jeremy Nobel
Page: 254

**Measuring Quality for Public Reporting of Health Provider Quality: Making It Meaningful to Patients**
Dana B. Mukamel, Laurent G. Glance, Andrew W. Dick, and Turner M. Osler
Page: 264

**Research and practice**

**Explaining Low Rates of Autism Among Hispanic Schoolchildren in Texas**
Raymond F. Palmer, Tatjana Walker, David Mandell, Bryan Bayles, and Claudia S. Miller
Page: 270

**LUCHAR: Using Computer Technology to Battle Heart Disease Among Latinos**
Bonnie Leeman-Castillo, Brenda Beaty, Silvia Raghunath, John Steiner, and Sheana Bull
Page: 272

**Effects of Repeated Deployment to Iraq and Afghanistan on the Health of New Jersey Army National Guard Troops: Implications for Military Readiness**
Anna Kline, Maria Falca-Dodson, Bradley Sussner, Donald S. Ciccone, Helena Chandler, Lanora Callahan, and Miklos Losonczy
Page: 276

**The Association of Perceived Abuse and Discrimination After September 11, 2001, With Psychological Distress, Level of Happiness, and Health Status Among Arab Americans**
Aasim I. Padela and Michele Heisler
Page: 284

Ron Acieno, Melba A. Hernandez, Ananda B. Amstadter, Heidi S. Resnick, Kenneth Steve, Wendy Muzzy, and Dean G. Kilpatrick
Page: 292
Associations of Environmental Factors With Elderly Health and Mortality in China
Yi Zeng, Danan Gu, Jama Purser, Helen Hoenig, and Nicholas Christakis
Page: 298

The Ubiquity of Energy-Dense Snack Foods: A National Multicity Study
Thomas A. Farley, Erin T. Baker, Lauren Futrell, and Janet C. Rice
Page: 306

Evaluating the Impact of Menu Labeling on Food Choices and Intake
Christina A. Roberto, Peter D. Larsen, Henry Agnew, Jenny Baik, and Kelly D. Brownell
Page: 312

A Randomized Clinical Trial Evaluating Online Interventions to Improve Fruit and Vegetable Consumption
Page: 319

A Worksite Obesity Intervention: Results From a Group-Randomized Trial
Judith M. Siegel, Michael L. Prelip, Jennifer Toller Erausquin, and Sonia A. Kim
Page: 327

Associations of Television Content Type and Obesity in Children
Frederick J. Zimmerman and Janice F. Bell
Page: 334

Estimating the Risks and Benefits of Nicotine Replacement Therapy for Smoking Cessation in the United States
Benjamin J. Apelberg, Georgiana Onicescu, Erika Avila-Tang, and Jonathan M. Samet
Page: 341

Black–White Health Disparities in the United States and Chicago: A 15-Year Progress Analysis
Jennifer M. Orsi, Helen Margellos-Anast, and Steven Whitman
Page: 349

The Longevity Gap Between Black and White Men in the United States at the Beginning and End of the 20th Century
Frank A. Sloan, Padmaja Ayyagari, Martin Salm, and Daniel Grossman
Page: 357
Racial/Ethnic Differences in Self-Reported Racism and Its Association With Cancer-Related Health Behaviors
Salma Shariff-Marco, Ann C. Klassen, and Janice V. Bowie
Page: 364

Marketplace
Page: 375

Job opportunities
Page: 378
Contraception

Volume 81, Issue. 2(February 2010)

Editorial Board
Pages i-ii

Contents
Pages iii-iv

Commentary

Abortion jabberwocky: the need for better terminology
David A. Grimes, Gretchen Stuart
Pages 93-96

Original Research Articles

Mifepristone–misoprostol midtrimester abortion: impact of gestational age on the induction-to-abortion interval
Olga Gómez, Aina Borrás, Aintzane Rabanal, Montse Palacio, Antonia Carceller, Oriol Coll, Eduard Gratacós
Pages 97-101

Effect of a continuous regimen of contraceptive combination of ethinylestradiol and drospirenone on lipid, carbohydrate and coagulation profiles
Rogério Bonassi Machado, Nilson Roberto de Melo, Hugo Maia, Achilles Machado Cruz
Pages 102-106

Variations in body mass index of users of depot-medroxyprogesterone acetate as a contraceptive
Márcia Pantoja, Tatiane Medeiros, Maria Carolina Baccarin, Sirlei Siani Morais, Luis Bahamondes, Arlete Maria dos Santos Fernandes
Pages 107-111

Intrauterine contraception in Saint Louis: a survey of obstetrician and gynecologists' knowledge and attitudes
Tessa Madden, Jenifer E. Allsworth, Katherine J. Hladky, Gina M. Secura, Jeffrey F. Peipert
Pages 112-116

Effects of the levonorgestrel-releasing intrauterine system on cardiovascular risk markers in patients with endometriosis: a comparative study with the GnRH analogue
Pages 117-122
Intrauterine contraception for adolescents aged 14–18 years: a multicenter randomized pilot study of Levonorgestrel-releasing intrauterine system compared to the Copper T 380A
Emily M. Godfrey, Lisa M. Memmel, Amy Neustadt, Megha Shah, Antonia Nicosia, Mydhili Moorthie, Melissa Gilliam
Pages 123-127

There's always Plan B: adolescent knowledge, attitudes and intention to use emergency contraception
Rachel Johnson, Montsine Nshom, Andrea M. Nye, Alwyn T. Cohall
Pages 128-132

Bridging emergency contraceptive pill users to regular contraception: results from a randomized trial in Jamaica
Dawn S. Chin-Quee, Maxine Wedderburn, Conrad Otterness, Barbara Janowitz, Mario Chen-Mok
Pages 133-139

Assessment of a disposable trocar for insertion of contraceptive implants
Markus J. Steiner, Tania Boler, George Obhai, David Hubacher
Pages 140-142

Feasibility of telephone follow-up after medical abortion
Lisa K. Perriera, Matthew F. Reeves, Beatrice A. Chen, Heather L. Hohmann, Jennifer Hayes, Mitchell D. Creinin
Pages 143-149

Early molar pregnancy: experience in a large abortion service
Maureen Paul, Suzan Goodman, Juan Felix, Rebekah Lewis, Mitchel Hawkins, Eleanor Drey
Pages 150-156

The effect of phloroglucinol on pain in first-trimester surgical abortion: a double-blind randomized controlled study
Yaling Zhuang, Xiufang Zhu, Li-Li Huang
Pages 157-160

Buccal misoprostol for cervical ripening prior to first trimester abortion
Hemang B. Panchal, Emily M. Godfrey, Ashlesha Patel
Pages 161-164

Evaluation of the phosphodiesterase 3 inhibitor ORG 9935 as a contraceptive in female macaques: initial trials
Jeffrey T. Jensen, Richard L. Stouffer, Jessica E. Stanley, Mary B. Zelinski
Pages 165-171
Current Science

Volume 98, Issue. 3 (10 February 2010)

Editorial

Universities and Academic Institutions: Competition and Collaboration
P. Balaram
Page: 285

Correspondence

Prokaryotic Survey of India
Ch. V. Ramana and Ch. Sasikala
Page: 287

Ganges River dolphin (Platanista gangetica) seeks help
Tawqir Bashir
Page: 287

Prospects of bamboo shoot processing in north-east India
Gibji Nimachow, J. S. Rawat and Oyi Dai
Page: 288

Snow partridge hopes for a safe home in Arunachal Pradesh
Tanushree Srivastava and Pijush Kumar Dutta
Page: 289

Haat Kali sacred grove, Central Himalaya, Uttarakhand
Harsh Singh, Tariq Husain and Priyanka Agnihotri
Page: 290

The two engines that drive science in China
Fred Y. Ye
Page: 291

News

Young Indian Scientists Colloquium
P. K. Madhu and A. K. Grover
Page: 292

Earth system processes and disaster management
S. C. Tripathi, Manish Tiwari and R. Sinha
Page: 293
Research news

Coronal heating by Alfvén waves
B. N. Dwivedi and A. K. Srivastava
Page: 295

Commentary

Computers and education
V. Ramanarayanan
Page: 297

Technology breakthroughs win 2009 Physics Nobel
Dwarka N. Bose
Page: 299

Scientific correspondence

Camptothecin accumulation in Ophiorrhiza rugosa var. prostrata from northern Western Ghats
G. Gharpure, B. Chavan, U. Lele, A. Hastak, A. Bhave, N. Malpure, R. Vasudeva and A. Patwardhan
Page: 302

Special section: biology and pathogenesis of viruses

Molecular virology and translational research
G. Padmanaban
Page: 305

The 2009 influenza pandemic
Shahid Jameel
Page: 306

The biology and pathogenesis of hepatitis viruses
Vijay Kumar, Saumitra Das and Shahid Jameel
Page: 312

Japanese encephalitis: pathogenesis, prophylactics and therapeutics
Kallol Dutta, Pundi N. Rangarajan, Sudhanshu Vrati and Anirban Basu
Page: 326

HIV/AIDS research in India: past, present and future
Udaykumar Ranga, Akhil Banerjea, Sekhar Chakrabarti and Debashis Mitra
Page: 335
**Structure and assembly of Sesbania mosaic virus**  
H. S. Savithri and M. R. N. Murthy  
Page: 346

**Rotavirus nonstructural proteins: a structural perspective**  
K. Suguna and C. Durga Rao  
Page: 352

**Begomovirus DNA replication and pathogenicity**  
Pranjal Yadava, Geetika Suyal and Sunil Kumar Mukherjee  
Page: 360

**Dengue vaccine – current progress and challenges**  
S. Swaminathan and N. Khanna  
Page: 369

**Non-segmented negative sense RNA viruses as vectors for vaccine development**  
V. V. S. Suryanarayana, Dhrubajyothi Chattopadhyay and M. S. Shaila  
Page: 379

**Research articles**

**Characteristics of gravity waves in the upper mesosphere region observed by OH airglow imaging**  
R. Sikha Pragati, Navin Parihar, Rupesh Ghodpage and G. K. Mukherjee  
Page: 392

**Initial results from AWESOME VLF receivers: set up in low latitude Indian regions under IHY2007/UNBSSI program**  
Page: 398

**Research communications**

**Isotopic fractionation in open systems: application to organic matter decomposition in ocean and land**  
R. Ramesh and Arvind Singh  
Page: 406

**Thermal conductivity estimates in the Niger Delta using lithologic data and geophysical well logs**  
Idara Akpabio and Joe Ejedawe  
Page: 411
Comparative assessment of micro-watershed silt load with morphological parameters to evaluate soil conservation strategies
Praveen G. Saptarshi and Rao Kumar Raghavendra
Page: 417

ADP-glucose pyrophosphorylase activity in relation to starch accumulation and grain growth in wheat cultivars
Vaibhav D. Lohot, Poonam Sharma-Natu, Rakesh Pandey and M. C. Ghildiyal
Page: 426

Book reviews

Indian Higher Education – Envisioning the Future by Pawan Agarwal
reviewed by P. Rama Rao
Page: 431

The Cognitive Neurosciences, Michael S. Gazzaniga (ed.)
reviewed by Aditya Murthy
Page: 434

Cutting for Stone by Abraham Verghese
reviewed by Sanjay A. Pai
Page: 435

Spiders of India, P. A. Sebastian and K. V. Peter (eds)
reviewed by Renee M. Borges
Page: 436

What’s Next? Dispatches on the Future of Science, Max Brockman (ed.)
reviewed by Richa Malhotra
Page: 437

Historical notes

Suri Bhagavantam – a biographical note
M. Krishnamurthi
Page: 438

Academy news

Indian Academy of Sciences elects new Fellows – 2010
Page: 441
Current Science

Volume 98, Issue. 4(25 February 2010)

Editorial

Climate Science: Drowned in the Noise
P. Balaram
Page: 463

Correspondence

KVPY and NSTS
Bhupati Chakrabarti
Page: 465

Reserpine and Indian traditional medicine
E. Venkata Rao
Page: 465

Frozen gene bank at frozen mountain
Gyan P. Mishra and Shashi Bala Singh
Page: 466

Conservation of Ousteri Lake, Puducherry
R. Alexandar
Page: 467

Environmental solutions to manage floods
Silar Mohammed and Mohammed Ghouse
Page: 467

For the cause of geology
Piyoosh Rautela
Page: 468

National academy contributions to national science: a data reflection
Fred Y. Ye
Page: 469

Management of water and natural resources
Chetan Pandit; Response by T. N. Narasimhan
Page: 470

News
Second National Women’s Science Congress
Richa Malhotra
Page: 471

Gondwana coals
B. D. Singh and Alpana Singh
Page: 472

Research news

Strongest bonds cleaved and functionalized: dinitrogen and carbon monoxide react to give oxamide
Balaji R. Jagirdar
Page: 474

Opinion

Whither imperatives of environmental justice?
Ranen Sen and Sharadindra Chakrabarti
Page: 476

Commentary

Extramural research funding by institutions that undertake intramural research
J. Gowrishankar
Page: 478

Prospects of botanical pesticides in sustainable agriculture
N. K. Dubey, Ravindra Shukla, Ashok Kumar, Priyanka Singh and Bhanu Prakash
Page: 479

Clustering instability in jets of granular materials
Prabhu R. Nott
Page: 480

Scientific correspondence

Fire-induced invasion of an endemic plant species alters forest structure and diversity: a study from north-east India
A. Mao and R. Gogoi
Page: 483

Land–ocean tectonic signatures of the Krishna–Godavari Basin, a qualitative evaluation
A. S. Subrahmanyam, V. Subrahmanyam, K. V. L. N. S. Sarma, G. P. S. Murty and K. S. R. Murthy
Leafhopper’s face mimics the ladybird pupae
K. Yamazaki
Page: 487

**General article**

**Incentive mechanism for preventing deforestation and promoting conservation of forest ecosystem**
Indrani Chandrasekharan, R. Sendhil Kumar, M. Ravindranath and D. J. Kushwah
Page: 489

**Review article**

**Oxygenic hydrogen photoproduction – current status of the technology**
Maria L. Ghirardi and Prasanna Mohanty
Page: 499

**Research articles**

**Evaluation of methods to estimate foliage density in the understorey of a tropical evergreen forest**
Manjari Jain, Giby Kuriakose and Rohini Balakrishnan
Page: 508

**Magnetic susceptibility distribution in the soils of Pune Metropolitan Region: implications to soil magnetometry of anthropogenic loading**
Page: 516

**Influence of Deccan volcanism in the sedimentary rocks of Late Maastrichtian–Danian age of Cauvery basin Southeastern India: constraints from geochemistry**
J. Madhavaraju and Yong Il Lee
Page: 528

**Research communications**

**Strain of Bacillus circulans isolated from apple rhizosphere showing plant growth promoting potential**
Preeti Mehta, Anjali Chauhan, Rishi Mahajan, P. K. Mahajan and C. K. Shirkot
Page: 538

**Using fallout 210Pb measurements to estimate sedimentation rate in Lam Phra Phloeng dam, Thailand**
Sasimonton Moungsrijun, Kanitha Srisuksawad, Kosit Lorsirirat and Tuangrak Nantawisarakul  
Page: 542

**Sapphirine-bearing Mg–Al xenolith in Proterozoic kimberlite from Dharwar craton, southern India**  
S. C. Patel, S. Ravi, Y. Anilkumar and J. K. Pati  
Page: 547

**Primary volcanic structures from Nakora area of Malani Igneous Suite, Western Rajasthan: implications for cooling and emplacement of volcanic flows**  
Naresh Kumar and G. Vallinayagam  
Page: 550

**Female-biased sex ratio in a protandrous moth: challenging the mate opportunity hypothesis for explaining protandry**  
K. Muralimohan and Y. B. Srinivasa  
Page: 557

**Book reviews**

**Transportation in a Climate-Constrained World by Andreas Schäfer et al.**  
reviewed by Ashish Verma  
Page: 563

**Ganitasārakaumudī – The Moonlight of the Essence of Mathematics, Tḥakkura Pherū**  
reviewed by M. S. Sriram  
Page: 565

**Advances in Photosynthesis and Respiration. Photosynthesis in silico: Understanding Complexity from Molecules to Ecosystems, Agu Laisk, Ladislav, Nedbal and Govindjee (eds)**  
reviewed by Prasanna Mohanty and Mukesh Kumar Raval  
Page: 566

**Applied Psychometry by Narender Kumar Chadha**  
reviewed by Mary Mathew and Santhi Perumal  
Page: 567

**Personal news**

**T. C. Anand Kumar (1936–2010)**  
Rajvi H. Mehta  
Page: 569
Historical notes

An ‘agent of the spirit of history’: an appreciation of P. K. Kelkar
Rohit Manchanda
Page: 570

Publications received – 2009
Page: 573
Fertility and Sterility

Volume 93, Issue. 3(February 2010)

Modern trends

Racial and ethnic differences in reproductive potential across the life cycle
Samantha F. Butts, David B. Seifer
Pages 681-690

Editor's corner

Cancer and fecundity issues mandate a multidisciplinary approach
Dominique de Ziegler, Isabelle Streuli, Ioannis Vasilopoulos, Christine Decanter, Pascale This, Charles Chapron
Pages 691-696

Contraception

Depot medroxyprogesterone acetate use after peak bone mass is associated with increased bone turnover but no decrease in bone mineral density
Jennifer S. Walsh, Richard Eastell, Nicola F. Peel
Pages 697-701

Ectopic pregnancy

Human chorionic gonadotropin ratio of hemoperitoneum versus venous serum improves early diagnosis of ectopic pregnancy
YuDong Wang, Hong Zhao, YinCheng Teng, LiHua Lu, JianQian Tong
Pages 702-705

Endometriosis

Endometrial stromal cells from women with endometriosis reveal peculiar migratory behavior in response to ovarian steroids
Davide Gentilini, Paola Vigano, Edgardo Somigliana, Lucia Maria Vicentini, Michele Vignali, Mauro Busacca, Anna Maria Di Blasio
Pages 706-715

Pain and ovarian endometrioma recurrence after laparoscopic treatment of endometriosis: a long-term prospective study
Maria Grazia Porpora, Debora Pallante, Annamaria Ferro, Brenda Crisafi, Filippo Bellati, Pierluigi Benedetti Panici
Pages 716-721

Infertility
Sexual function in women with female genital mutilation
Sharifa A. Alsibiani, Abdulrahim A. Rouzi
Pages 722-724

Infertility service use among U.S. women: 1995 and 2002
Anjani Chandra, Elizabeth Hervey Stephen
Pages 725-736

When do involuntarily infertile couples choose to seek medical help?
Caroline Moreau, Jean Bouyer, Béatrice Ducot, Alfred Spira, Rémy Slama
Pages 737-744

Access to assisted reproductive technology centers in the United States
Ajay K. Nangia, Donald S. Likosky, Dongmei Wang
Pages 745-761

Ovarian cryopreservation and transplantation for fertility preservation for medical indications: report of an ongoing experience
Kutluk Oktay, Ozgur Oktem
Pages 762-768

In vitro fertilization

Beneficial effect of autologous endometrial cell coculture in patients with repeated implantation failure
Victoria Eyheremendy, Fernanda G.E. Raffo, Mercedes Papayannis, Julia Barnes, Cintia Granados, Jorge Blaquier
Pages 769-773

Embryologic outcome and secretome profile of implanted blastocysts obtained after coculture in human endometrial epithelial cells versus the sequential system
Francisco Dominguez, Blanca Gadea, Amparo Mercader, Francisco J. Esteban, Antonio Pellicer, Carlos Simón
Pages 774-782.e1

Post-biopsy bovine embryo viability and whole genome amplification in preimplantation genetic diagnosis
Juliana Polisseni, Wanderlei Ferreira de Sá, Martha de Oliveira Guerra, Marco Antônio Machado, Raquel Varella Serapião, Bruno Campos de Carvalho, Luiz Sérgio de Almeida Camargo, Vera Maria Peters
Pages 783-788

Male factor
Effect of thawing temperature on the motility recovery of cryopreserved human spermatozoa
Juan C. Calamera, Mariano G. Buffone, Gustavo F. Doncel, Santiago Brugo-Olmedo, Sabrina de Vincentiis, Maria M. Calamera, Bayard T. Storey, Juan G. Alvarez
Pages 789-794

The expression and distribution of deoxyribonucleic acid repair and apoptosis markers in testicular germ cells of infertile varicocele patients resembles that of old fertile men
Moetaz M. El-Domyati, Abo-Bakr M. Al-Din, Manal T. Barakat, Hasan M. El-Fakahany, Stanton Honig, Jiasen Xu, Denny Sakkas
Pages 795-801

Human papillomavirus found in sperm head of young adult males affects the progressive motility
Carlo Foresta, Andrea Garolla, Daniela Zuccarello, Damiano Pizzol, Afra Moretti, Luisa Barzon, Giorgio Palù
Pages 802-806

Birefringence characteristics in sperm heads allow for the selection of reacted spermatozoa for intracytoplasmic sperm injection
Luca Gianaroli, M. Cristina Magli, Anna P. Ferraretti, Andor Crippa, Michela Lappi, Serena Capitani, Baccio Baccetti
Pages 807-813

Sperm viability, apoptosis, and intracellular reactive oxygen species levels in human spermatozoa before and after induction of oxidative stress
Reda Z. Mahfouz, Stefan S. du Plessis, Nabil Aziz, Rakesh Sharma, Edmund Sabanegh, Ashok Agarwal
Pages 814-821

Clinical data and parenthood of 63 infertile and Y-microdeleted men
Catherine Patrat, Thierry Bienvenu, Laurent Janny, Anne-Karen Faure, Patricia Fauque, Isabelle Aknin-Seifer, Céline Davy, Nicolas Thiounn, Pierre Jouannet, Rachel Lévy
Pages 822-832

Absence of chlamydial deoxyribonucleic acid from testicular and epididymal samples from men with obstructive azoospermia
Sreebala Sripada, Maria Rosario Amezaga, Mark Hamilton, Hamish McKenzie, Allan Templeton, Siladitya Bhattacharya
Pages 833-836

Epinephrine is associated with both erectile dysfunction and lower urinary tract symptoms
J.C. Trussell, Allen R. Kunselman, Richard S. Legro
Pages 837-842
Menopause

Impact of age and gender interaction on circulating endothelial progenitor cells in healthy subjects
Alexandra Rousseau, Fida Ayoubi, Christel Deveaux, Beny Charbit, Catherine Delmau, Sophie Christin-Maitre, Patrice Jaillon, Georges Uzan, Tabassome Simon
Pages 843-846

Ovulation induction

1,500 IU human chorionic gonadotropin administered at oocyte retrieval rescues the luteal phase when gonadotropin-releasing hormone agonist is used for ovulation induction: a prospective, randomized, controlled study
Peter Humaidan, Helle Ejdrup Bredkjær, Lars Grabow Westergaard, Claus Yding Andersen
Pages 847-854

A prospective, comparative analysis of anti-Müllerian hormone, inhibin-B, and three-dimensional ultrasound determinants of ovarian reserve in the prediction of poor response to controlled ovarian stimulation
Kannamannadai Jayaprakasan, Bruce Campbell, James Hopkisson, Ian Johnson, Nick Raine-Fenning
Pages 855-864

Ovarian stimulation for fertility preservation in patients with cancer
Rudolpho B. Quintero, Amy Helmer, Jian Qun Huang, Lynn M. Westphal
Pages 865-868

Polycystic ovary syndrome

Serum retinol-binding protein 4 levels in nonobese women with polycystic ovary syndrome
Te-Fu Chan, Yung-Chieh Tsai, Pu-Rong Chiu, Yi-Ling Chen, Chien-Hung Lee, Eing-Mei Tsai
Pages 869-873

Ovarian hemorrhage after transvaginal ultrasonographically guided oocyte aspiration: a potentially catastrophic and not so rare complication among lean patients with polycystic ovary syndrome
Gad Liberty, Jordana Hadassah Hyman, Talia Eldar-Geva, Boris Latinsky, Michael Gal, Ehud J. Margalioth
Pages 874-879

Effect of metformin on serum visfatin levels in patients with polycystic ovary syndrome
Mesut Ozkaya, Erman Cakal, Yusuf Ustun, Yaprak Engin-Ustun
Pregnancy

**Body composition, smoking, and spontaneous dizygotic twinning**
Chantal Hoekstra, Gonnieke Willemsen, C.E.M. Toos van Beijsterveldt, Cornelius B. Lambalk, Grant W. Montgomery, Dorret I. Boomsma
Pages 885-893

Reproductive endocrinology

**Early follicle development alters the relationship between antral follicle counts and inhibin B and follicle-stimulating hormone levels on cycle day 3**
Michael Grynberg, Estelle Feyereisen, Juliano Brum Scheffer, Panayotis Koutroubis, Rene Frydman, Renato Fanchin
Pages 894-899

Reproductive surgery

**Novel use of a tracheobronchial stent in a patient with uterine didelphys and obstructed hemivagina**
Amber R. Cooper, Diane F. Merritt
Pages 900-903

Reproductive biology

**Rod outer segment membrane guanylate cyclase type 1 (ROS-GC1) calcium-modulated transduction system in the sperm**
Anna Jankowska, Beata Burczyńska, Teresa Duda, Jerzy B. Warchol
Pages 904-912

**Tissue culture before transplantation of frozen-thawed human fetal ovarian tissue into immunodeficient mice**
Chao Lan, Wang Xiao, Deng Xiao-Hui, Hao Chun-Yan, Yu Hong-Ling
Pages 913-919

**Effects of tumor necrosis factor-alpha on porcine oocyte meiosis progression, spindle organization, and chromosome alignment**
Cai-Hong Ma, Li-Ying Yan, Jie Qiao, Wei Sha, Li Li, Yuan Chen, Qing-Yuan Sun
Pages 920-926

**Exogenous androstenedione induces formation of follicular cysts and premature luteinization of granulosa cells in the ovary**
Yuki Okutsu, Masanori T. Itoh, Noriyuki Takahashi, Bunpei Ishizuka
Pages 927-935
Improvement of in vitro culture of mouse cumulus–oocyte complexes using PDE3-inhibitor followed by meiosis induction with epiregulin
Sergio Romero, Johan Smitz
Pages 936-944

Changes in acetylation on lysine 12 of histone H4 (acH4K12) of murine oocytes during maternal aging may affect fertilization and subsequent embryo development
Lun Suo, Qing-Gang Meng, Yan Pei, Chang-Liang Yan, Xiang-Wei Fu, Thomas D. Bunch, Shi-En Zhu
Pages 945-951

Immunization with Bin1b decreases sperm motility with compromised fertility in rats
Wenming Xu, Xiaohu Zhang, Wenying Chen, Kin Lam Fok, Dewi Kenneth Rowlands, Yiu-Loon Chui, Hsiao Chang Chan
Pages 952-958.e1

Mitochondrial behaviors in the vitrified mouse oocyte and its parthenogenetic embryo: effect of Taxol pretreatment and relationship to competence
Chang-Liang Yan, Xiang-Wei Fu, Guang-Bin Zhou, Xue-Ming Zhao, Lun Suo, Shi-En Zhu
Pages 959-966

Images in reproductive medicine

Autoamputated adnexa presents as a peritoneal loose body
Kaori Koga, Hisahiko Hiroi, Yutaka Osuga, Miwako Nagai, Tetsu Yano, Yuji Taketani
Pages 967-968

Techniques and instrumentation

Extensive tissue damage of bovine ovaries after bipolar ovarian drilling compared to monopolar electrocoagulation or carbon dioxide laser
Marja-Liisa Hendriks, Paul van der Valk, Cornelis B. Lambalk, Mark A.M. Broeckaert, Roy Homburg, Peter G.A. Hompes
Pages 969-975

High concentration of synthetic serum, stepwise equilibration and slow cooling as an efficient technique for large-scale cryopreservation of human embryonic stem cells
Ji Yeon Lee, Jeoung Eun Lee, Dong Ku Kim, Tae Ki Yoon, Hyung Min Chung, Dong Ryul Lee
Pages 976-985

Comparative evaluation of different in vitro systems that stimulate germ cell differentiation in human embryonic stem cells
Mark Richards, Chui-Yee Fong, Ariff Bongso
Pages 986-994

**True ovarian volume is underestimated by two-dimensional transvaginal ultrasound measurement**
Mikkel Rosendahl, Erik Ernst, Per Emil Rasmussen, Claus Yding Andersen
Pages 995-998

**Comparison of three methods for cryopreservation of human embryonic stem cells**
Yang Li, Ji-chun Tan, Ling-song Li
Pages 999-1005

**Case report summaries**

**Spinal muscular atrophy (SMA) after conception using gametes from anonymous donors: recommendations for the future**
Pamela Callum, Maria Teresa Urbina, Rena E. Falk, Jorge A. Alvarez-Diaz, Isaac Benjamin, Charles A. Sims
Pages 1006.e1-1006.e2

**A new FOXL2 gene mutation in a woman with premature ovarian failure and sporadic blepharophimosis-ptosis-epicanthus inversus syndrome**
Frederico José Silva Corrêa, Adriano Bueno Tavares, Rinaldo Wellerson Pereira, Mauricio Simões Abrão
Pages 1006.e3-1006.e6

**Live birth after polar body array comparative genomic hybridization prediction of embryo ploidy—the future of IVF?**
Pages 1006.e7-1006.e10

**Successful pregnancy after thermal balloon endometrial ablation followed by in vitro fertilization and embryo transfer**
David Kuzel, Lucie Bartosova, Karel Rezabek, Dusan Toth, Josef Cindr, Michal Mara
Pages 1006.e11-1006.e13

**A multidisciplinary, minimally invasive approach for complicated deep infiltrating endometriosis**
Renato Seracchioli, Linda Manuzzi, Mohamed Mabrouk, Serena Solfrini, Clarissa Frascà, Fabio Manferrari, Filippo Pierangeli, Roberto Paradisi, Stefano Venturoli
Pages 1007.e1-1007.e3

**Correspondence**

**Surrogate obesity negatively impacts pregnancy rates in third-party reproduction**
Effects of the Statutory Health Insurance Modernization Act on the supply and expenditure situation in cases of assisted reproductive technologies in Germany
Eva Susanne Dietrich, Wenke Wevers
Pages 1011-1013

Immunologic factors and reproductive success in women with primary repeated spontaneous abortion
Fulvia Gloria-Bottini, Maria Nicotra, Andrea Magrini, Egidio Bottini
Pages 1014-1015

Improvement in quality-of-life questionnaire measures in obese adolescent females with polycystic ovary syndrome treated with lifestyle changes and oral contraceptives, with or without metformin
Miranda Harris-Glocker, Kristin Davidson, Lynda Kochman, David Guzick, Kathleen Hoeger
Pages 1016-1019

HIV-1 or hepatitis C chronic infection in serodiscordant infertile couples has no impact on infertility treatment outcome
Nadia Prisant, Roland Tubiana, Gilles Lefebvre, Pascal Lebray, Anne Genevieve Marcelin, Vincent Thibault, Ouriel Rosenblum, Manuela Bonmarchand, Danielle Vauthier-Brouzes, Jean Louis Golmard, Christine Katlama, Catherine Poirot
Pages 1020-1023

Letters to the editor

High prevalence of endometriosis in infertile women with normal ovulation and normospermic partners
Krithiga Ilangavan, Emmanuel Kalu
Page e10

Endometriosis: is laparoscopy justified without previous ultrasonogram and magnetic resonance imaging (MRI)?
Jean Belaisch
Page e11

Reply of the Authors: Endometriosis: is laparoscopy justified without previous ultrasonogram and magnetic resonance imaging (MRI)? & High prevalence of endometriosis in infertile women with normal ovulation and normospermic partners
Christel Meuleman, Carla Tomassetti, Dirk Timmerman, Thomas D'Hooghe
Page e12

Serum AMH, FSH, and LH levels in PCOS
Personalized medicine: Factors influencing reimbursement
Lisa M. Meckley, Peter J. Neumann
Pages 91-100

The influence of housing tenure and marital status on smoking in South Korea
Seungji Lim, Woojin Chung, Hanjoong Kim, Sunmi Lee
Pages 101-110

Psychosocial work environment and emotional exhaustion—Does a service provision model play a role?
Anne M. Koponen, Ritva Laamanen, Nina Simonsen-Rehn, Jari Sundell, Mats Brommels, Sakari Suominen
Pages 111-119

Determinants of length of stay for psychiatric inpatients: Analysis of a national database covering the entire Korean elderly population
Woojin Chung, Sun-Min Oh, Tongwoo Suh, Young Moon Lee, Byoung Hoon Oh, Chung-Won Yoon
Pages 120-128

The preferred doctor scheme: A political reading of a French experiment of Gate-keeping
Paul Dourgnon, Michel Naiditch
Pages 129-134

Agency problems in hospitals participating in self-management project under global budget system in Taiwan
Yu-Hua Yan, Shuofen Hsu, Chen-Wei Yang, Shih-Chieh Fang
Pages 135-143

Geographic inequities in provision and utilization of malaria treatment services in southeast Nigeria: Diagnosis, providers and drugs
Obinna Onwujekwe, Kara Hanson, Benjamin Uzochukwu, Ogochukwu Ezeoke, Soludo Eze, Nkem Dike
Pages 144-149

Are English treatment centres treating less complex patients?
Andrew Street, Peter Sivey, Anne Mason, Marisa Miraldo, Luigi Siciliani
Crossborder trade in health services: Lessons from the European laboratory
Holly Jarman, Scott Greer
Pages 158-163

The demand for preventive care services and its relationship with inpatient services
Wei-Hua Tian, Chin-Shyan Chen, Tsai-Ching Liu
Pages 164-174

Health problems and retirement due to ill-health among Australian retirees aged 45–64 years
Sabrina W. Pit, Rupendra Shrestha, Deborah Schofield, Megan Passey
Pages 175-181

Contents
Page CO4
Indian Journal of Population Education

Issue. 48(January-March 2010)

Contents

Women Empowerment
Poonam Khattar, Divya S Pillai and Deoki Nandan
Page: 3

Level of information about HIV/AIDS among Males in Lucknow district
A N Singh and A Ranjan
Page: 12

Causes of Infant Mortality in rural Orissa: Qualitative insights
Bijaya Kumar Malik
Page: 25

Life skill education and empowerment of out of school Adolescents Girls: An observation from the field
A Ghosh and R Chowdhury
Page: 36

Preference of male child-A case study of Punjab
Manjeet Paintal
Page: 44

Teaching population education through Geography
Renu Rai
Page: 58
Indian Practitioner

Volume 63, Issue 2 (February 2010)

Editorial

Ankle replacement dig in their heels
Srinivasan S
Page: 69

Original Articles

Clinical and Biochemical profile of young Diabetics in Maharasthra
Krishna K, Pradhan A B, Saria M, Dhananjay K
Page: 71

Prevalence of Tubercular Endometritis in Menstrual Disorders
Sirohiwal D, Duhan N, Aggarwal K, More R H
Page: 77

Efficacy and tolerability of Lornoxicam in treatment of mild to moderate pain associated with Knee or Hip Osteoarthritis
Singh P, Siddiqui A R
Page: 83

Self prescription among M.B.B.S. students
Suvarna B, Kamath A
Page: 89

Study of prevalence of Bacterial Vaginosis in Pregnant women with special reference to HIV status
Lampuse A, Tumane P M, Jalgaonkar S V
Page: 96

Reviews

Multiple disorders in Indian elderly and its relation to socioeconomic condition
Dhar H L
Page: 103

Postherpetic Neuralgia: Current perspectives
Puri N, Talwar A
Page: 108

Case Reports
Phenytoin toxicity: An interesting drug interaction
Chaudhary S C, Avasthi R, Bharadwaj G, Mohanty D, Singh K P
Page: 113

Thoracic Neuroenteric Cyst
Vibhuti, Kalia V, Gupta K, Puneet
Page: 115

Unusual manifestation of isolated deficiency of Lamina(Post Arch) of atlas-A case report
Anand A
Page: 118

Wellness

Stress Diary
Page: 123

Clinician’s Kaleidoscope
Page: 125
Commentary

Probiotic-Derived Factors: Probiotaceuticals?
Gordon S. Howarth
Page: 229

Biochemical, Molecular, and Genetic Mechanisms

Hepatic Acyl-Coenzyme A:Cholesterol Acyltransferase-2 Expression Is Decreased in Mice with Hyperhomocysteinemia
Angela M. Devlin, Ranji Singh, Teodoro Bottiglieri, Sheila M. Innis, and Tim J. Green
Page: 231

Leptin Receptor Polymorphisms Interact with Polyunsaturated Fatty Acids to Augment Risk of Insulin Resistance and Metabolic Syndrome in Adults
Page: 238

Nutrient Physiology, Metabolism, and Nutrient-Nutrient Interactions

The Polyunsaturated Fatty Acid Composition of Hepatic and Plasma Lipids Differ by Both Sex and Dietary Fat Intake in Rats
Caroline E. Childs, Meritxell Romeu-Nadal, Graham C. Burdge, and Philip C. Calder
Page: 245

Sildenafil Citrate Treatment Enhances Amino Acid Availability in the Conceptus and Fetal Growth in an Ovine Model of Intrauterine Growth Restriction
M. Carey Satterfield, Fuller W. Bazer, Thomas E. Spencer, and Guoyao Wu
Page: 251

Nondairy Creamer, but Not Milk, Delays the Appearance of Coffee Phenolic Acid Equivalents in Human Plasma
Mathieu Renouf, Cynthia Marmet, Philippe Guy, Anne-Lise Fraering, Karin Longet, Julie Moulin, Marc Enslen, Denis Barron, Christophe Cavin, Fabiola Dionisi, Serge Rezzi, Sunil Kochhar, Heike Steiling, and Gary Williamson
Page: 259
Stimulation of Muscle Protein Synthesis by Prolonged Parenteral Infusion of Leucine Is Dependent on Amino Acid Availability in Neonatal Pigs
Fiona A. Wilson, Agus Suryawan, Maria C. Gazzaneo, Renán A. Orellana, Hanh V. Nguyen, and Teresa A. Davis
Page: 264

Age and Dietary Iron Affect Expression of Genes Involved in Iron Acquisition and Homeostasis in Young Pigs
Stephanie L. Hansen, Nares Trakooljul, Jerry W. Spears, and Hsiao-Ching Liu
Page: 271

Serum Lipid and Blood Pressure Responses to Quercetin Vary in Overweight Patients by Apolipoprotein E Genotype
Sarah Egert, Christine Boesch-Saadatmandi, Siegfried Wolffram, Gerald Rimbach, and Manfred J. Müller
Page: 278

Nutritional Stimulation of Milk Protein Yield of Cows Is Associated with Changes in Phosphorylation of Mammary Eukaryotic Initiation Factor 2 and Ribosomal S6 Kinase 1
Chanelle A. Toerien, Donald R. Trout, and John P. Cant
Page: 285

Nutrition and Disease

Consumption of a Flaxseed-Rich Food Is Not More Effective Than a Placebo in Alleviating the Climacteric Symptoms of Postmenopausal Women
Renée L. Simbalista, Adolfo V. Sauerbronn, José M. Aldrighi, and José A. G. Arêas
Page: 293

Hibiscus Sabdariffa L. Tea (Tisane) Lowers Blood Pressure in Prehypertensive and Mildly Hypertensive Adults
Diane L. McKay, C-Y. Oliver Chen, Edward Saltzman, and Jeffrey B. Blumberg
Page: 298

Food Insecurity Is Associated with Chronic Disease among Low-Income NHANES Participants
Hilary K. Seligman, Barbara A. Laraia, and Margot B. Kushel
Page: 304

All-trans Retinoic Acid Lowers Serum Retinol-Binding Protein 4 Concentrations and Increases Insulin Sensitivity in Diabetic Mice
Daniel-Constantin Manolescu, Aurelia Sima, and Pangala V. Bhat
Page: 311
Nutrient Requirements and Optimal Nutrition

Estimation of Antioxidant Intakes from Diet and Supplements in U.S. Adults
Ock K. Chun, Anna Floegel, Sang-Jin Chung, Chin Eun Chung, Won O. Song, and Sung I. Koo
Page: 317

Nutritional Epidemiology

Snacking Increased among U.S. Adults between 1977 and 2006
Carmen Piernas and Barry M. Popkin
Page: 325

The Natural 13C Abundance of Plasma Glucose Is a Useful Biomarker of Recent Dietary Caloric Sweetener Intake
Chad M. Cook, Amy L. Alvig, Yu Qiu (David) Liu, and Dale A. Schoeller
Page: 333

The Sex-Specific Role of Plasma Folate in Mediating the Association of Dietary Quality with Depressive Symptoms
May A. Beydoun, Marie T. Fanelli Kuczmarski, Hind A. Beydoun, Monal R. Shriff, Marc A. Mason, Michele K. Evans, and Alan B. Zonderman
Page: 338

Community and International Nutrition

Weight Gain in the First Two Years of Life Is an Important Predictor of Schooling Outcomes in Pooled Analyses from Five Birth Cohorts from Low- and Middle-Income Countries
Page: 348

A New Simulation Model Estimates Micronutrient Levels to Include in Fortified Blended Foods Used in Food Aid Programs
Lisa E. Fleige, Nadine R. Sahyoun, and Suzanne P. Murphy
Page: 355

Associations between Multiple Indicators of Socioeconomic Status and Obesity in Young Adult Filipinos Vary by Gender, Urbanicity, and Indicator Used
Page: 366
**Nutritional Immunology**

**Increased Consumption of Fatty and Lean Fish Reduces Serum C-Reactive Protein Concentrations but Not Inflammation Markers in Feces and in Colonic Biopsies**
Page: 371

**Sesamin Inhibits Bacterial Formylpeptide-Induced Inflammatory Responses in a Murine Air-Pouch Model and in THP-1 Human Monocytes**
Youhong Cui, Xinwei Hou, Juan Chen, Lianying Xie, Lang Yang, and Yingying Le
Page: 377

**A Bovine Whey Protein Extract Stimulates Human Neutrophils to Generate Bioactive IL-1Ra through a NF-B- and MAPK-Dependent Mechanism**
Daniel Rusu, Réjean Drouin, Yves Pouliot, Sylvie Gauthier, and Patrice E. Poubelle
Page: 382

**Symposium—The Development and Legacy of the INCAP Oriente Studies 1969–2009**

**Introduction: The Development and Legacy of the INCAP Oriente Studies 1969–2009**
Jean-Pierre Habicht and Reynaldo Martorell
Page: 392

**History and Early Development of INCAP**
Nevin S. Scrimshaw
Page: 394

**INCAP Oriente Longitudinal Study: 40 Years of History and Legacy**
Manuel Ramirez-Zea, Paul Melgar, and Juan A. Rivera
Page: 397

**Maternal Supplementation Differentially Affects the Mother and Newborn**
Kathleen M. Rasmussen and Jean-Pierre Habicht
Page: 402

**Probability, Plausibility, and Adequacy Evaluations of the Oriente Study Demonstrate That Supplementation Improved Child Growth**
Jean-Pierre Habicht and Reynaldo Martorell
Page: 407

**The Nutrition Intervention Improved Adult Human Capital and Economic Productivity**
Reynaldo Martorell, Paul Melgar, John A. Maluccio, Aryeh D. Stein, and Juan A. Rivera
The Oriente Study: Program and Policy Impacts
Marie T. Ruel
Page: 415

Erratum
Page: 419

Announcements
Page: 420

The Journal of Nutrition Reviewer Acknowledgment
Page: 421

Supplement

The Role of Innovation and Technology in Meeting Individual Nutritional Needs
Kara D. Lewis and Britt M. Burton-Freeman
Page: 426
Lancet

Volume 375, Issue. 9712 (Jan 30-Feb 5 2010)

Editorial

The perils of journal and supplement publishing
Page: 347

Should protocols for observational research be registered?
Page: 348

Complicity in the abuse of patients
Page: 348

Comment

Challenging the dogma on trastuzumab: a matter of the heart
Melanie D Seal, Stephen K Chia
Page: 349

A new BALANCE in bipolar I disorder
Rasmus W Licht
Page: 350

Switching HIV therapies: competing host and viral factors
J Michael Kilby
Page: 352

Reforming country health systems for women's health
Badara Samb
Page: 354

Rajiv Shah at USAID: reviving nutrition for the world's poor
Keith P West, Robert E Black
Page: 355

A flexible blueprint for the future of drug development
Richard Barker
Page: 357

Vote online for paper of the year 2009
William Summerskill
Page: 359

Offline: The rational irrationality of fear
World Report

Comparative effectiveness research stalls in the USA
Paul Christopher Webster
Page: 361

India failing children orphaned by AIDS
Bharathi Ghanashyam
Page: 363

Perspectives

The biology and politics of obesity
Nicholas Freudenberg
Page: 365

Living, breathing history
Elizabeth Leyland
Page: 366

The swine flu backlash
Jeremy Laurance
Page: 367

Lifeline
Luca Gianni
Page: 367

Autonomy should chair, not rule
Charles Foster
Page: 368

Obituary

Jeremy Noah Morris
Geoff Watts
Page: 370

Correspondence

Did mass privatisation really increase post-communist mortality?
Christopher J Gerry, Tomasz M Mickiewicz, Zlatko Nikoloski and others.
Addressing congenital causes of disability
Luis Nacul, Sowmiya Moorthie, Mukesh Kapila, Ron Zimmern
Page: 374

Human resources for health: focusing on people with disabilities
Hasheem Mannan, Malcolm MacLachlan
Page: 375

HORIZONS-AMI
Mark WI Webster
Page: 375

Migrants and the right to health: the students' perspective
Robbert Duvivier, Mori Mansouri, Diego Iemmi, Silva Rukavina
Page: 376

Clinical academics should and must teach
Jonathan TL Cheah
Page: 376

Department of Error
Page: 376

Articles

Neoadjuvant chemotherapy with trastuzumab followed by adjuvant trastuzumab versus neoadjuvant chemotherapy alone, in patients with HER2-positive locally advanced breast cancer (the NOAH trial): a randomised controlled superiority trial with a parallel HER2-negative cohort
Luca Gianni, Wolfgang Eiermann, Vladimir Semiglazov, Alexey Manikhas, Ana Lluch, Sergey Tjulandin, Milvia Zambetti, Federico Vazquez, Mikhail Byakhow, Mikhail Lichinitser, Miguel Angel Climent, Eva Ciruelos, Belén Ojeda, Mauro Mansutti, Alla Bozhok, Roberta Baronio, Andrea Feyereislova, Claire Barton, Pinuccia Valagussa, Jose Baselga
Page: 377

Lithium plus valproate combination therapy versus monotherapy for relapse prevention in bipolar I disorder (BALANCE): a randomised open-label trial
The BALANCE investigators and collaborators
Page: 385

Switch to a raltegravir-based regimen versus continuation of a lopinavir-ritonavir-based regimen in stable HIV-infected patients with suppressed viraemia
(SWITCHMRK 1 and 2): two multicentre, double-blind, randomised controlled trials
Joseph J Eron, Benjamin Young, David A Cooper, Michael Youle, Edwin DeJesus, Jaime Andrade-Villanueva, Cassy Workman, Roberto Zajdenverg, Gerd Fätkenheuer, Daniel S Berger, Princy N Kumar, Anthony J Rodgers, Melissa A Shaughnessy, Monica L Walker, Richard JO Barnard, Michael D Miller, Mark J DiNubile, Bach-Yen Nguyen, Randi Leavitt, Xia Xu, Peter Sklar, for the SWITCHMRK 1 and 2 investigators
Page: 396

Seminar

Diabetes in Asia
Ambady Ramachandran, Ronald Ching Wan Ma, Chamukuttan Snehalatha
Page: 408

Health Policy

Financing of health systems to achieve the health Millennium Development Goals in low-income countries
Robert Fryatt, Anne Mills, Anders Nordstrom
Page: 419

Viewpoint

A framework for mandatory impact evaluation to ensure well informed public policy decisions
Andrew D Oxman, Arild Bjørndal, Francisco Becerra-Posada, Mark Gibson, Miguel Angel Gonzalez Block, Andy Haines, Maimunah Hamid, Carmen Hooker Odom, Haichao Lei, Ben Levin, Mark W Lipsey, Julia H Littell, Hassan Mshinda, Pierre Ongolo-Zogo, Tikki Pang, Nelson Sewankambo, Francisco Songane, Haluk Soydan, Carole Torgerson, David Weisburd, Judith Whitworth, Suwit Wibulpolprasert
Page: 427

Case Report

What lurks in the sellar?
Sandra Pekic, Valentina Arsic Arsenijevic, Milica Skender Gazibara, Toplica Milojivic, Ivica Pendjer, Marko Stojanovic, Vera Popovic
Page: 432
Editorial

Fabricated or induced illness by carers: a complex conundrum
Page: 433

Guidance on prevention of venous thromboembolism
Page: 434

Mental illness in Australian immigration detention centres
Page: 434

Comment

Will procalcitonin reduce antibiotic use in intensive care?
Marin H Kollef
Page: 435

Less sedation in intensive care: the pendulum swings back
Laurent Brochard
Page: 436

Survival in people with type 2 diabetes as a function of HbA1c
Beverley Balkau, Dominique Simon
Page: 438

Safer childbirth: avoiding medical interventions for non-medical reasons
Yap-Seng Chong, Kenneth YC Kwek
Page: 440

Organ transplantation between HIV-infected patients
Jerome Amir Singh
Page: 442

Unlicensed pandemic influenza A H1N1 vaccines
Arthur L Caplan
Page: 444

Retraction—Ileal-lymphoid-nodular hyperplasia, non-specific colitis, and pervasive developmental disorder in children
The Editors of The Lancet
Page: 445
Offline: Speaking up, loudly
Richard Horton
Page: 446

World Report

New hope for prison health in the UK
Nayanah Siva
Page: 447

Protests highlight plight of Chile's Mapuche Indians
Anastasia Moloney
Page: 449

Perspectives

Questions of identity
Priya Shetty
Page: 451

Lethal science
Steven Rose
Page: 452

Tony Mok: leading light in Hong Kong oncology
Margaret Harris
Page: 453

Too tall, too small? The temptation to tinker with a child's height
Susan Cohen, Christine Cosgrove
Page: 454

Obituary

Peter Diggory
Sarah Boseley
Page: 456

Correspondence

Community-based interventions to reduce maternal mortality
David Braunholtz, Wendy Graham, Julia Hussein and others.
Page: 457

Empowering women to control post-partum haemorrhage
Malcolm Potts, Ndola Prata, Hazem El Refaey, Harsah Sanghvi, Phil Darney, Veronica Ades, Sadiaqua N Jafarey, Emmanuel Rwamushaija, Nuriye Hodoglugil, Cassimo Bique, Rudofo Gomez, Jean Paul Rokotovao, Abdul Quaiyum, Joseph Karanja, Edgar Kuchingale
Page: 457

**Preventable deaths in sickle-cell anaemia in African children**
Stephen Obaro
Page: 460

**Reducing prescription errors**
Tony Weetman, Jeffrey Aronson, Simon Maxwell
Page: 461

**Articles**

**Use of procalcitonin to reduce patients' exposure to antibiotics in intensive care units (PRORATA trial): a multicentre randomised controlled trial**
Page: 463

**A protocol of no sedation for critically ill patients receiving mechanical ventilation: a randomised trial**
Thomas Strøm, Torben Martinussen, Palle Toft
Page: 475

**Survival as a function of HbA1c in people with type 2 diabetes: a retrospective cohort study**
Craig J Currie, John R Peters, Aodán Tynan, Marc Evans, Robert J Heine, Oswaldo L Bracco, Tony Zagar, Chris D Poole
Page: 481

**Method of delivery and pregnancy outcomes in Asia: the WHO global survey on maternal and perinatal health 2007–08**
Page: 490
Seminar

Pulmonary embolism in pregnancy
Ghada Bourjeily, Michael Paidas, Hanan Khalil, Karen Rosene-Montella, Marc Rodger
Page: 500

Lecture

Prevention is better than cure
Leszek K Borysiewicz
Page: 513

Case Report

A life-threatening sore throat masquerading as swine flu
Vanessa Kahr, Nicholas A Barrett, Manu Shankar-Hari, Hannah Slack, Rebecca L Preston, Caoimhe Nic Fhogartaigh, Jonathan Edgeworth, Richard Beale
Page: 524
Editorial

Health equity—an election manifesto?
Page: 525

Evaluation: the top priority for global health
Page: 526

Fighting the fires of systemic sclerosis
Page: 526

Comment

Towards more effective emergency contraception?
Giuseppe Benagiano, Helena von Hertzen
Page: 527

Should we dispense with preoperative breast MRI?
Elizabeth A Morris
Page: 528

Assessing the scale-up of child survival interventions
Stefan Peterson
Page: 530

Evidence-based medicine in China
Jiyao Wang
Page: 532

Fomenting a prevention revolution for HIV
Michel Sidibé, Kent Buse
Page: 533

Global health is public health
Linda P Fried, Margaret E Bentley, Pierre Buekens, Donald S Burke, Julio J Frenk, Michael J Klag, Harrison C Spencer
Page: 535

Stroke—a call for papers
Helen Frankish, Richard Turner
Page: 537
Offline: Long live the King
Richard Horton
Page: 538

World Report

Relief agencies prepare for long haul in Haiti
Patrick Adams
Page: 539

Head of German cost-effectiveness institute forced to quit
Rob Hyde
Page: 540

India combats confusion over counterfeit drugs
Patralekha Chatterjee
Page: 542

Perspectives

Biotech on the big screen
Sonia Shah
Page: 543

Crick and the golden helix
Andrew Robinson
Page: 544

Linda-Gail Bekker: confronting the TB/HIV co-infection epidemic
Kelly Morris
Page: 545

Medicine and the human story
Athar Yawar
Page: 546

Obituary

Sheldon Jerome Segal
Geoff Watts
Page: 548

Correspondence

Ventilatory support versus ECMO for severe adult respiratory failure
Thilo Busch, Sven Laudi, Udo Kaisers and others
**Liraglutide for weight loss in obese people**
Pär Hallberg, Sofie Schwan, Håkan Melhus and others
Page: 551

**Peptic ulcer disease: further work is required to reduce inequalities**
N Bhala and others P Malfertheiner and others
Page: 553

**Brain death is a scientific concept**
James L Bernat and others.
Page: 554

**Articles**

**Ulipristal acetate versus levonorgestrel for emergency contraception: a randomised non-inferiority trial and meta-analysis**
Anna F Glasier, Sharon T Cameron, Paul M Fine, Susan JS Logan, William Casale, Jennifer Van Horn, Laszlo Sogor, Diana L Blithe, Bruno Scherrer, Henri Mathe, Amelie Jaspart, Andre Ulmann, Erin Gainer
Page: 555

**Comparative effectiveness of MRI in breast cancer (COMICE) trial: a randomised controlled trial**
Lindsay Turnbull, Sarah Brown, Ian Harvey, Catherine Olivier, Phil Drew, Vicky Napp, Andrew Hanby, Julia Brown
Page: 563

**The Accelerated Child Survival and Development programme in west Africa: a retrospective evaluation**
Jennifer Bryce, Kate Gilroy, Gareth Jones, Elizabeth Hazel, Robert E Black, Cesar G Victora
Page: 572

**Seminar**

**Eating disorders**
Janet Treasure, Angélica M Claudino, Nancy Zucker
Page: 583

**Review**

**Liver disease in pregnancy**
Deepak Joshi, Andra James, Alberto Quaglia, Rachel H Westbrook, Michael A Heneghan
Page: 594
**Viewpoint**

**What is the way forward for health in Zimbabwe?**
Charles Todd, Sunanda Ray, Farai Madzimbamuto, David Sanders
Page: 606

**Case Report**

**Loss of vision? Clear as crystal!**
Ranjeet J Pandit, William A Innes, Nick P Strong, Robert A James
Page: 610
Lancet

Volume 375, Issue. 9715(20-26 February 2010)

Editorial

Childhood obesity: affecting choices
Page: 611

Advising the UK Government
Page: 612

Bodies revealed, but whose?
Page: 612

Comment

Chemo-immunotherapy in RCC: the end of a story
Bernard Escudier
Page: 613

Long-term survival of children born with congenital anomalies
David H Stone
Page: 614

Prophylaxis of venous thromboembolism in IBD
Geoffrey C Nguyen, Erik L Yeo
Page: 616

Should antibiotics be given for Buruli ulcer?
Paul DR Johnson
Page: 618

Better data needed: everyone agrees, but no one wants to pay
Carla AbouZahr, Laragh Gollogly, Gretchen Stevens
Page: 619

HIV: consensus indicators are needed for concurrency
Page: 621

Paper of the year 2009: results
William Summerskill
Page: 622
Offline: AIDS is not zero sum
Richard Horton
Page: 624

World Report

US region to model health service on Iranian system
Nellie Bristol
Page: 625

Health experts concerned over India's asbestos industry
Talha Burki
Page: 626

Health workers detained in the Philippines
Margaret Harris Cheng
Page: 628

Perspectives

Vincent van Gogh's life and work through his letters
Colin Martin
Page: 629

Cinematic Chekhov
Talha Burki
Page: 630

The Beckham test
Jeremy Laurance
Page: 631

Elisabeth Potts Dellon
Page: 631

Enrolling pregnant women in biomedical research
Ruth Macklin
Page: 632

Obituary

Edwin Krebs
Alison Snyder
Page: 634

Correspondence
An endothelin antagonist for resistant hypertension
Neeraj Dhaun, Jane Goddard, David J Webb and others
Page: 635

The need for new antibiotics
Sandro Vento, Francesca Cainelli and others
Page: 637

Early initiation of treatment for HIV infection
Andrew Phillips, Dominique Costagliola, Caroline Sabin, Jonathan Sterne and others
Page: 639

HPV vaccination: waiting for evidence of effectiveness
Eric J Suba, Stephen S Raab, on behalf of the Viet/American Cervical Cancer Prevention Project
Page: 639

The internet and informed dissent
S Maskell, G Cross, P Gluckman
Page: 640

Department of Error
Page: 640

Articles

Interferon alfa-2a versus combination therapy with interferon alfa-2a, interleukin-2, and fluorouracil in patients with untreated metastatic renal cell carcinoma (MRC RE04/EORTC GU 30012): an open-label randomised trial
Martin E Gore, Clare L Griffin, Barry Hancock, Poulam M Patel, Lynda Pyle, Michael Aitchison, Nicholas James, Roderick TD Oliver, Jozef Mardiak, Tahera Hussain, Richard Sylvester, Mahesh KB Parmar, Patrick Royston, Peter FA Mulders
Page: 641

20-year survival of children born with congenital anomalies: a population-based study
Peter WG Tennant, Mark S Pearce, Mary Bythell, Judith Rankin
Page: 649

Venous thromboembolism during active disease and remission in inflammatory bowel disease: a cohort study
Matthew J Grainge, Joe West, Timothy R Card
Page: 657
Antimicrobial treatment for early, limited *Mycobacterium ulcerans* infection: a randomised controlled trial
Willemien A Nienhuis, Ymkje Stienstra, William A Thompson, Peter C Awuah, K Mohammed Abass, Wilson Tuah, Nana Yaa Awua-Boateng, Edwin O Ampadu, Vera Siegmund, Jan P Schouten, Ohene Adjei, Gisela Bretzel, Tjip S van der Werf
Page: 664

Seminar

Non-melanoma skin cancer
Vishal Madan, John T Lear, Rolf-Markus Szeimies
Page: 673

Review

Biological, clinical, and ethical advances of placebo effects
Damien G Finniss, Ted J Kaptchuk, Franklin Miller, Fabrizio Benedetti
Page: 686

Case Report

A “fussy eater” with renal failure
Lesley Archer, Fleur Kilburn-Toppin, Kiera Sneddon, Helena Kemp, Richard Smith, Tibor Toth, Charles Tomson
Page: 696
Nature
Volume 463, Issue. 7281(4 February 2010)

Editorials

Time for the epigenome
Page: 587

Stand and deliver
Page: 587

Back to books
Page: 588

Research Highlights

Evolution: Flower power
Page: 590

Engineering: Sticky when wet
Page: 590

Physics: Plasma pinch
Page: 590

Organic chemistry: Methylene magic
Page: 590

Astrophysics: Starlight versus dark matter
Page: 590

Atmospheric physics: Bolt from the blue
Page: 591

Biochemistry: Chemical gene switch
Page: 591

Evolutionary anthropology: Baby-like bonobos
Page: 591

Imaging: Virus vision
Page: 591

Journal Club
**Journal club**
Viola Vogel
Page: 591

**News**

**News briefing: 4 February 2010**
Page: 592

**Obama budget backs basic science**
Janet Fang, Eric Hand, Richard Monastersky, Jeff Tollefson, Meredith Wadman & Mitchell Waldrop
Page: 594

**IPCC flooded by criticism**
Quirin Schiermeier
Page: 596

**Project set to map marks on genome**
Alison Abbott
Page: 596

**Biodiversity law could stymie research**
Natasha Gilbert
Page: 598

**America pushes to overhaul chemical safety law**
Brendan Borrell
Page: 599

**Mars rover Spirit (2003–10)**
Katharine Sanderson
Page: 600

**News Features**

**Networking: Four ways to reinvent the Internet**
Page: 602

**Chemistry: Breaking the billion-hertz barrier**
Page: 605

**Column**

**Better all the time**
Daniel Sarewitz
Correspondence

Political instability may be a contributor in the coming decade
Peter Turchin
Page: 608

Could a boom in technologies trap Feynman's simulator?
Dietrich Leibfried
Page: 608

Expanded view of universities would be more realistic
Siddharth Dasgupta
Page: 608

Women: diversity among leaders is there if you look
Nancy C. Andrews, Sally Kornbluth & Doug Stokke
Page: 608

Women: why just one to represent half the workforce?
Joan M. Herbers
Page: 608

Books and Arts

The Immortal Life of Henrietta Lacks by Rebecca Skloot
Steve Silberman
Page: 610

In Retrospect: Funes the Memorious
Rodrigo Quian Quiroga
Page: 611

Q&A: Peter Atkins on writing textbooks
Nicola Jones
Page: 612

News and Views

Biogeography: Washed up in Madagascar
David W. Krause
Page: 613

Photosynthesis: Quantum design for a light trap
Rienk van Grondelle & Vladimir I. Novoderezhkin
Stem cells: Big roles for small RNAs
Frank J. Slack
Page: 616

Extrasolar planets: Fluorescent methane spotted
Seth Redfield
Page: 617

Biomaterials: Dew catchers
Magdalena Helmer
Page: 618

Applied physics: Nanothermal trumpets
Rama Venkatasubramanian
Page: 619

Articles

Opposing microRNA families regulate self-renewal in mouse embryonic stem cells
Collin Melton, Robert L. Judson & Robert Blelloch
Page: 621

An aspartyl protease directs malaria effector proteins to the host cell
Page: 627

Plasmepsin V licenses Plasmodium proteins for export into the host erythrocyte
Ilaria Russo, Shalon Babbitt, Vasant Muralidharan, Tamira Butler, Anna Oksman & Daniel E. Goldberg
Page: 632

Letters

A ground-based near-infrared emission spectrum of the exoplanet HD 189733b
Mark R. Swain, Pieter Deroo, Caitlin A. Griffith, Giovanna Tinetti, Azam Thatte, Gautam Vasisht, Pin Chen, Jeroen Bouwman, Ian J. Crossfield, Daniel Angerhausen, Cristina Afonso & Thomas Henning
Page: 637

Directional water collection on wetted spider silk
Yongmei Zheng, Hao Bai, Zhongbing Huang, Xuelin Tian, Fu-Qiang Nie, Yong Zhao, Jin Zhai & Lei Jiang
Coherently wired light-harvesting in photosynthetic marine algae at ambient temperature
Elisabetta Collini, Cathy Y. Wong, Krystyna E. Wilk, Paul M. G. Curmi, Paul Brumer & Gregory D. Scholes
Page: 644

Migrating tremors illuminate complex deformation beneath the seismogenic San Andreas fault
David R. Shelly
Page: 648

Mammalian biodiversity on Madagascar controlled by ocean currents
Jason R. Ali & Matthew Huber
Page: 653

Evidence for grid cells in a human memory network
Christian F. Doeller, Caswell Barry & Neil Burgess
Page: 657

Hsp90 prevents phenotypic variation by suppressing the mutagenic activity of transposons
Valeria Specchia, Lucia Piacentini, Patrizia Tritto, Laura Fanti, Rosalba D’Alessandro, Gioacchino Palumbo, Sergio Pimpinelli & Maria P. Bozzetti
Page: 662

Large, rare chromosomal deletions associated with severe early-onset obesity
Elena G. Bochukova, Ni Huang, Julia Keogh, Elana Henning, Carolin Purmann, Kasia Blaszczyk, Sadia Saeed, Julian Hamilton-Shield, Jill Clayton-Smith, Stephen O’Rahilly, Matthew E. Hurles & I. Sadaf Farooqi
Page: 666

A new highly penetrant form of obesity due to deletions on chromosome 16p11.2
R. G. Walters, S. Jacquemont, et.al.
Page: 671

TGF-β–FOXO signalling maintains leukaemia-initiating cells in chronic myeloid leukaemia
Kazuhito Naka, Takayuki Hoshii, Teruyuki Muraguchi, Yuko Tadokoro, Takako Ooshio, Yukio Kondo, Shinji Nakao, Noboru Motoyama & Atsushi Hirao
Page: 676

Multiple native states reveal persistent ruggedness of an RNA folding landscape
Sergey V. Solomatin, Max Greenfeld, Steven Chu & Daniel Herschlag
Page: 681
Experimental evidence for a frustrated energy landscape in a three-helix-bundle protein family
Page: 685

Structure of the amantadine binding site of influenza M2 proton channels in lipid bilayers
Sarah D. Cady, Klaus Schmidt-Rohr, Jun Wang, Cinque S. Soto, William F. DeGrado & Mei Hong
Page: 689

Naturejobs

Careers Q&A
Eric Barron
Page: 695

In Brief

Institute gets gift windfall
Page: 695

Boost for brain research
Page: 695

Plug-and-play DNA
Page: 695

Careers and Recruitment

A foot in the door
Kendall Powell
Page: 696

Futures

Jenna's clocks
T. F. Davenport
Page: 700
Nature

Volume 463, Issue. 7282 (11 February 2010)

Editorials

South Africa's opportunity
Page: 709

Divide and conquer
Page: 709

A framework for success
Page: 710

Research Highlights

Ecology: Aphid deception
Page: 712

Geoscience: Shocking tides
Page: 712

Materials science: Small, strong and supple
Page: 712

Evolution: All thumbs and toes
Page: 712

Applied physics: Speedier than silicon
Page: 712

Climate change: Warming boosts invasions
Page: 713

Stem cells: Uneven divide
Page: 713

Cardiovascular biology: Fatty foam cells
Page: 713

Geoengineering: Ocean beating
Page: 713
Journal Club

Journal club
Paul Flicek
Page: 713

News

News briefing: 11 February 2010
Page: 714

Science lines up for seat to space
Page: 716

Still looking for that woodpecker
Page: 718

Testing time for stem cells
Page: 719

Delays prompt reshuffle at ITER fusion project
Page: 721

The future of European research
Page: 722

Palaeogenetics: Icy resolve
Page: 724

South African science: black, white and grey
Page: 726

Correspondence

Still a way to go for South Africa's science revolution
Anastassios Pouris
Page: 729

Iranian physics society striving to prevent misconduct
Hadi Akbarzadeh
Page: 729

Italy's stem-cell challenge gaining momentum
Elena Cattaneo, Elisabetta Cerbai & Silvia Garagna
Page: 729
Did the bunny sell or sully the story on toxicity testing?
Jan Backmann
Page: 729

Opinion

IPCC: cherish it, tweak it or scrap it?
Mike Hulme, E Zorita, T F stocker, J Price, J R Christy
Page: 730

AIDS research must link to local policy
Salim S. Abdool Karim & Quarraisha Abdool Karim
Page: 733

Books and Arts

Predicting the Unpredictable: The Tumultuous Science of Earthquake Prediction by
Susan E. Hough
Roger Bilham
Page: 735

Not Exactly: In Praise of Vagueness by Kees van Deemter
Andrew Robinson reviews
Page: 736

Blind Data: Celebrating Science and Design
Lucas Laursen
Page: 736

Q&A: Carl Zimmer on writing popular-science books
Nicola Jones
Page: 737

News and Views

Evolutionary biology: Face of the past reconstructed
David M. Lambert & Leon Huynen
Page: 739

Nuclear physics: Weighing up the superheavies
Georg Bollen
Page: 740

Palaeontology: Decay distorts ancestry
Derek E. G. Briggs
Cosmology: Census at a distance
Ana Lopes
Page: 742

Neuroscience: Lack of inhibition leads to abuse
Arthur C. Riegel & Peter W. Kalivas
Page: 743

Parkinson's disease: Mitochondrial damage control
Asa Abeliovich
Page: 744

Astrophysics: Less greedy galaxies gulp gas
Andrew Blain
Page: 745

Brief Communication Arising

Chronic DLL4 blockade induces vascular neoplasms
Minhong Yan, Christopher A. Callahan, Joseph C. Beyer, Krishna P. Allamneni, Gu Zhang, John Brady Ridgway, Kyle Niessen & Greg D. Plowman
Page: E6

Perspectives

The next generation of scenarios for climate change research and assessment
Page: 747

Articles

Ancient human genome sequence of an extinct Palaeo-Eskimo
Genome sequencing and analysis of the model grass Brachypodium distachyon
The International Brachypodium Initiative
Page: 763

Neural bases for addictive properties of benzodiazepines
Kelly R. Tan, Matthew Brown, Gwenaël Labouèbe, Cédric Yvon, Cyril Creton, Jean-Marc Fritschy, Uwe Rudolph & Christian Lüscher
Page: 769

Rfx6 directs islet formation and insulin production in mice and humans
Page: 775

Letters

High molecular gas fractions in normal massive star-forming galaxies in the young Universe
Page: 781

Direct mass measurements above uranium bridge the gap to the island of stability
Page: 785

Above-room-temperature ferroelectricity in a single-component molecular crystal
Sachio Horiuchi, Yusuke Tokunaga, Gianluca Giovannetti, Silvia Picozzi, Hirotake Itoh, Ryo Shimano, Reiji Kumai & Yoshinori Tokura
Page: 789
Zonal flow formation in the Earth’s core
Takehiro Miyagoshi, Akira Kageyama & Tetsuya Sato
Page: 793

Non-random decay of chordate characters causes bias in fossil interpretation
Robert S. Sansom, Sarah E. Gabbott & Mark A. Purnell
Page: 797

Competition drives cooperation among closely related sperm of deer mice
Heidi S. Fisher & Hopi E. Hoekstra
Page: 801

Animal cryptochromes mediate magnetoreception by an unconventional photochemical mechanism
Robert J. Gegear, Lauren E. Foley, Amy Casselman & Steven M. Reppert
Page: 804

Role of conserved non-coding DNA elements in the Foxp3 gene in regulatory T-cell fate
Ye Zheng, Steven Josefowicz, Ashutosh Chaudhry, Xiao P. Peng, Katherine Forbush & Alexander Y. Rudensky
Page: 808

Human host factors required for influenza virus replication
Page: 813

Genome-wide RNAi screen identifies human host factors crucial for influenza virus replication
Alexander Karlas, Nikolaus Machuy, Yujin Shin, Klaus-Peter Pleissner, Anita Artarini, Dagmar Heuer, Daniel Becker, Hany Khalil, Lesley A. Ogilvie, Simone Hess, André P. Mäurer, Elke Müller, Thorsten Wolff, Thomas Rudel & Thomas F. Meyer
Page: 818

Mical links semaphorins to F-actin disassembly
Ruei-Jiun Hung, Umar Yazdani, Jimok Yoon, Heng Wu, Taehong Yang, Nidhi Gupta, Zhiyu Huang, Willem J. H. van Berkel & Jonathan R. Terman
Page: 823
Mechanism of substrate recognition and transport by an amino acid antiporter
Xiang Gao, Lijun Zhou, Xuyao Jiao, Feiran Lu, Chuangye Yan, Xin Zeng, Jiawei Wang & Yigong Shi
Page: 828

Naturejobs

John Grunsfeld
Virginia Gewin
Page: 835

In Brief

India plans science boost
Page: 835

Research output falls
Page: 835

Chinese students stay on
Page: 835

Careers and Recruitment

Big Apple biotech
Anne Harding
Page: 836

Futures

Fashion victim
Stephen Gaskell
Page: 840
Nature

Volume 463, Issue 7283 (18 February 2010)

Editorials

Validation required
Page: 849

Progressive thinking
Page: 849

Nature's choices
Page: 850

Research Highlights

Ecology: why horses wear white
Page: 852

Palaeontology: Do the locomotion
Page: 852

Quantum chemistry: Never too cold
Page: 852

Physical chemistry: Surface designers
Page: 852

Genetics: Two strikes
Page: 852

Condensed matter: Cutting it fine
Page: 852

Neurobiology: The science of silence
Page: 853

Geology: Mantle rising
Page: 853

Astrophysics: Mystery medium
Page: 853

Chemistry: Tie the knot
Page: 853
Journal Club

Journal club
Page: 853

News

News briefing: 18 February 2010
Page: 854

Three biologists slain on campus
Page: 856

Africa yields two full human genomes
Page: 857

How accurate are cancer cell lines?
Page: 858

Genomics firms turn to other markets
Page: 859

Pharaoh puzzle
Page: 859

'Climategate' scientist speaks out
Page: 860

Asian pollution delays inevitable warming
Page: 860

Trees spit out gas from soil microbes
Page: 861

General relativity tested on a tabletop
Page: 862

News Features

Evolution: Revenge of the hopeful monster
Tanguy Chouard.
Page: 864

Astronomy: The decadal dinner club
Eric Hand
Carbon sequestration: Buried trouble
Richard Van Noorden
Page: 871

Column

World view: Calling science to account
Colin Macilwain
Page: 875

Correspondence

Transdisciplinary EU science institute needs funds urgently
Jan W. Vasbinder, Bertil Andersson, W. Brian Arthur, Maarten Boasson, Rob de Boer, Jean Pierre Changeux, Esteban Domingo, Manfred Eigen, Alan Fersht, Daan Frenkel, Martin Rees, Theo Groen, Robert Huber, Tim Hunt, John Holland, Robert May, Erling Norrby, Peter Nijkamp, Jean Marie Lehn, Rudy Rabbinge, Marten Scheffer, Peter Schuster, Ismail Serageldin, Jan Stuip, Jan de Vries, Wim van Vierssen & Rein Willems
Page: 876

The Rubisco enzyme and agricultural productivity
John R. Porter & Bernd Wollenweber
Page: 876

Parliament needs members who are scientifically literate
Stéphane Goldstein
Page: 876

Outcry stopped approved pig study of avalanche survival
Hermann Brugger, Peter Paal & Markus Falk
Page: 877

University overhaul vital to end Bulgarian science's long decline
Oleg I. Yordanov
Page: 877

China fights fraud with tough tactics and integrity training
Martin C. Michel
Page: 877

Opinion

Lessons from the Haiti earthquake
Roger Bilham
Books and Arts

The Cambridge Companion to the Aegean Bronze Age Edited by Cynthia W. Shelmerdine and Questioning Collapse: Human Resilience, Ecological Vulnerability, and the Aftermath of Empire Edited by Patricia A. McAnany & Norman Yoffee
Jared Diamond
Page: 880

From Eternity to Here: The Quest for the Ultimate Theory of Time by Sean Carroll
Pedro Ferreira
Page: 881

Sounding the Pacific: Musical Instruments of Oceania
Josie Glausiusz
Page: 882

Q&A: David Brin on writing fiction
Nicola Jones
Page: 883

News and Views

Early life: Ancient acritarchs
Roger Buick
Page: 885

Astrophysics: Cosmic jet engines
Andy Young
Page: 886

Gene regulation: A chromatin thermostat
Roger B. Deal & Steven Henikoff
Page: 887

Animal behaviour: An ill wind for finches
Tim Lincoln
Page: 888

Structural biology: Transformative encounters
Brenda A. Schulman & Arthur L. Haas
Page: 889

Quantum measurement: A light touch
Aephraim M. Steinberg
Genetics: Random expression goes binary
Adrian Streit & Ralf J. Sommer
Page: 891

Brief Communications Arising

Multilevel and kin selection in a connected world
Michael J. Wade, David S. Wilson, Charles Goodnight, Doug Taylor, Yaneer Bar-Yam, Marcus A. M. de Aguiar, Blake Stacey, Justin Werfel, Guy A. Hoelzer, Edmund D. Brodie III, Peter Fields, Felix Breden, Timothy A. Linksvayer, Jeffrey A. Fletcher, Peter J. Richerson, James D. Bever, J. David Van Dyken & Peter Zee
Page: E8

Wild, Gardner & West reply
Geoff Wild, Andy Gardner & Stuart A. West
Page: E9

Articles

Signatures of mutation and selection in the cancer genome
Page: 893

The landscape of somatic copy-number alteration across human cancers
Rameen Beroukhim et al.
Page: 899

Active site remodelling accompanies thioester bond formation in the SUMO E1
Shaun K. Olsen, Allan D. Capili, Xuequan Lu, Derek S. Tan & Christopher D. Lima
Page: 906

Variability in gene expression underlies incomplete penetrance
Arjun Raj, Scott A. Rifkin, Erik Andersen & Alexander van Oudenaarden
Page: 913

Letters

A change in the optical polarization associated with a γ-ray flare in the blazar 3C 279
The Fermi-LAT Collaboration and members of the 3C 279 multi-band campaign
An upper limit on the contribution of accreting white dwarfs to the type Ia supernova rate
Marat Gilfanov & Ákos Bogdán
Page: 924

A precision measurement of the gravitational redshift by the interference of matter waves
Holger Müller, Achim Peters & Steven Chu
Page: 926

Upside-down differentiation and generation of a ‘primordial’ lower mantle
Cin-Ty A. Lee, Peter Luffi, Tobias Höink, Jie Li, Rajdeep Dasgupta & John Hernlund
Page: 930

Organic-walled microfossils in 3.2-billion-year-old shallow-marine siliciclastic deposits
Emmanuelle J. Javaux, Craig P. Marshall & Andrey Bekker
Page: 934

A bony connection signals laryngeal echolocation in bats
Nina Veselka, David D. McErlain, David W. Holdsworth, Judith L. Eger, Rethy K. Chhem, Matthew J. Mason, Kirsty L. Brain, Paul A. Faure & M. Brock Fenton
Page: 939

Complete Khoisan and Bantu genomes from southern Africa
Stephan C. Schuster et al.
Page: 943

Rapid spine stabilization and synaptic enhancement at the onset of behavioural learning
Todd F. Roberts, Katherine A. Tschida, Marguerita E. Klein & Richard Mooney
Page: 948

Rere controls retinoic acid signalling and somite bilateral symmetry
Gonçalo C. Vilhais-Neto, Mitsuiji Maruhashi, Karen T. Smith, Mireille Vasseur-Cognet, Andrew S. Peterson, Jerry L. Workman & Olivier Pourquié
Page: 953

CHD7 cooperates with PBAF to control multipotent neural crest formation
Ruchi Bajpai, Denise A. Chen, Alvaro Rada-Iglesias, Junmei Zhang, Yiqin Xiong, Jill Helms, Ching-Pin Chang, Yingming Zhao, Tomek Swigut & Joanna Wysocka
Page: 958
TCR–peptide–MHC interactions in situ show accelerated kinetics and increased affinity
Johannes B. Huppa, Markus Axmann, Manuel A. Mörtelmaier, Björn F. Lillemeier, Evan W. Newell, Mario Brameshuber, Lawrence O. Klein, Gerhard J. Schütz & Mark M. Davis
Page: 963

Enzyme-inhibitor-like tuning of Ca2+ channel connectivity with calmodulin
Xiaodong Liu, Philemon S. Yang, Wanjun Yang & David T. Yue
Page: 968

Technology Features

Whole-animal imaging: The whole picture
Monya Baker
Page: 977

Whole-animal imaging: Probe progress
Page: 979

Whole-animal imaging: Table of suppliers
Page: 981

Naturejobs

News Scientists in Ireland face up to pay cuts
Page: 985

Prospects A step towards transparency
Jan Bogg
Page: 985

Back to school
Quirin Schiermeier
Page: 986

Futures

Unfinished business
John Gilbey
Page: 990
Editorials

Simplification is essential
Page: 999

Bridges, not barriers
Page: 999

An absurd law
Page: 1000

Research Highlights

Energy: Carbon from the mountains
Page: 1002

Neuroscience: Baby blues
Page: 1002

Particle physics: Dazzling dysprosium
Page: 1002

Molecular imaging: Tumour glows out
Page: 1002

Evolutionary biology: On the invasion front
Page: 1002

Cell biology: Lost in the mail
Page: 1002

Organic chemistry: Catalysts cooperate
Page: 1003

Biology: Colour-blind
Page: 1003

Genetics: Male regulator switched
Page: 1003

Developmental biology: Heads or tails
Page: 1003
Journal Club

Journal club
Luke Harmon
Page: 1003

News

News briefing: 25 February 2010
Page: 1004

'Seek, test and treat' slows HIV
Page: 1006

Reserves 'win–win' for fish and fishermen
Page: 1007

Did design flaws doom the LHC?
Page: 1008

Pebble-bed nuclear reactor gets pulled
Page: 1008

German paper chase to end
Page: 1009

Cosmic-ray theory unravels
Page: 1011

A land without Google?
Page: 1012

News Feature

Earth science: The climate machine
Page: 1014

Correspondence

Research thrives on integration of natural and social sciences
Erik Fisher, Simon Biggs, Stuart Lindsay & Jie Zhao
Page: 1018

Rigid animal-rights views not useful to ethics debate
Rob Campbell
New NMR machines are set to boost biomedical potential
Jeffrey C. Hoch
Page: 1018

Skewed assessment values have stifled textbook-writing
Tristram D. Wyatt
Page: 1018

Futures perfect — food for thought and welcome light relief
Robin Thompson
Page: 1018

Opinion

Globe still in grip of addiction
Jonathan M. Samet & Heather L. Wipfli
Page: 1020

Books and Arts

Piracy: The Intellectual Property Wars from Gutenberg to Gates by Adrian Johns
Michael Gollin reviews
Page: 1022

Francis Crick: Hunter of Life's Secrets by Robert Olby
W. F. Bynum
Page: 1023

How lateral thinking saved lives
Martin Kemp
Page: 1024

Q&A: Georgina Ferry on writing biography
Nicola Jones
Page: 1025

News and Views

Applied mathematics: The statistics of style
Bruno A. Olshausen & Michael R. DeWeese
Page: 1027

Cell biology: A brake on lipid synthesis
Fikadu G. Tafesse & Joost C. M. Holthuis
Low-temperature physics: Surprise in the strong regime
Yong-il Shin
Page: 1029

Regenerative medicine: Cell reprogramming gets direct
Cory R. Nicholas & Arnold R. Kriegstein
Page: 1031

Climate change: Tropical cyclones in the mix
Ryan L. Sriver
Page: 1032

Geomicrobiology: Sediment reactions defy dogma
Kenneth H. Nealson
Page: 1033

Brief Communications Arising

Location of corneal epithelial stem cells
Tung-Tien Sun, Scheffer C. Tseng & Robert M. Lavker
Page: E10

Majo et al. reply
François Majo, Ariane Rochat, Michael Nicolas, Georges Abou Jaoudé & Yann Barrandon
Page: E11

Articles

Direct conversion of fibroblasts to functional neurons by defined factors
Thomas Vierbuchen, Austin Ostermeier, Zhiping P. Pang, Yuiko Kokubu, Thomas C. Südhof & Marius Wernig
Page: 1035

Reprogramming towards pluripotency requires AID-dependent DNA demethylation
Nidhi Bhutani, Jennifer J. Brady, Mara Damian, Alessandra Sacco, Stéphane Y. Corbel, & Helen M. Blau
Page: 1042

Orm family proteins mediate sphingolipid homeostasis
Page: 1048
Letters

**WASP-12b as a prolate, inflated and disrupting planet from tidal dissipation**
Shu-lin Li, N. Miller, Douglas N. C. Lin & Jonathan J. Fortney
Page: 1054

**Exploring the thermodynamics of a universal Fermi gas**
S. Nascimbène, N. Navon, K. J. Jiang, F. Chevy & C. Salomon
Page: 1057

**Simultaneous phase and size control of upconversion nanocrystals through lanthanide doping**
Feng Wang, Yu Han, Chin Seong Lim, Yunhao Lu, Juan Wang, Jun Xu, Hongyu Chen, Chun Zhang, Minghui Hong & Xiaogang Liu
Page: 1061

**Tropical cyclones and permanent El Niño in the early Pliocene epoch**
Alexey V. Fedorov, Christopher M. Brierley & Kerry Emanuel
Page: 1066

**Electric currents couple spatially separated biogeochemical processes in marine sediment**
Lars Peter Nielsen, Nils Risgaard-Petersen, Henrik Fossing, Peter Bondo Christensen & Mikio Sayama
Page: 1071

**Fossilized melanosomes and the colour of Cretaceous dinosaurs and birds**
Fucheng Zhang, Stuart L. Kearns, Patrick J. Orr, Michael J. Benton, Zhonghe Zhou, Diane Johnson, Xing Xu & Xiaolin Wang
Page: 1075

**Arthropod relationships revealed by phylogenomic analysis of nuclear protein-coding sequences**
Jerome C. Regier, Jeffrey W. Shultz, Andreas Zwick, April Hussey, Bernard Ball, Regina Wetzer, Joel W. Martin & Clifford W. Cunningham
Page: 1079

**Ancient animal microRNAs and the evolution of tissue identity**
Foteini Christodoulou, Florian Raible, Raju Tomer, Oleg Simakov, Kalliopi Trachana, Sebastian Klaus, Heidi Snyman, Gregory J. Hannon, Peer Bork & Detlev Arendt
Page: 1084

**Neural evidence for inequality-averse social preferences**
Elizabeth Tricomi, Antonio Rangel, Colin F. Camerer & John P. O’Doherty
Page: 1089
An essential role for XBP-1 in host protection against immune activation in C. elegans
Claire E. Richardson, Tristan Kooistra & Dennis H. Kim
Page: 1092

Tbx3 improves the germ-line competency of induced pluripotent stem cells
Jianyong Han, Ping Yuan, Henry Yang, Jinqiu Zhang, Boon Seng Soh, Pin Li, Siew Lan Lim, Suying Cao, Junliang Tay, Yuriy L. Orlov, Thomas Lufkin, Huck-Hui Ng, Wai-Leong Tam & Bing Lim
Page: 1096

Genome-wide erasure of DNA methylation in mouse primordial germ cells is affected by AID deficiency
Christian Popp, Wendy Dean, Suhua Feng, Shawn J. Cokus, Simon Andrews, Matteo Pellegrini, Steven E. Jacobsen & Wolf Reik
Page: 1101

The sequence and de novo assembly of the giant panda genome
Ruiqiang Li et al.
Page: 1106

Dense packings of the Platonic and Archimedean solids
S. Torquato & Y. Jiao
Page: 1106

Naturejobs

News

Mixed budget outlook for young scientists
Page: 1108

Prospects

Salary boost
Deb Koen
Page: 1108

Q&A
Zhenrong Zhang
Page: 1109

In Brief

Postdocs waltz to Vienna
Page: 1109
Science courses at risk
Page: 1109

Biotech beats recession
Page: 1109

Futures

Distraction
Julian Tang
Page: 1112
New England Journal of Medicine

Volume 362, Issue 5 (4 February 2010)

Perspective

Medicare and Medical Technology — The Growing Demand for Relevant Outcomes
P. J. Neumann and S. R. Tunis
Page: 377

Withholding Information from Patients — When Less Is More
R. M. Epstein, D. N. Korones, and T. E. Quill
Page: 380

Launching HITECH
D. Blumenthal
Page: 382

Cottage Industry to Postindustrial Care — The Revolution in Health Care Delivery
S. J. Swensen and Others
Page: e12

Original Articles

A Placebo-Controlled Trial of Oral Fingolimod in Relapsing Multiple Sclerosis
L. Kappos and Others
Page: 387

Oral Fingolimod or Intramuscular Interferon for Relapsing Multiple Sclerosis
J. A. Cohen and Others
Page: 402

A Placebo-Controlled Trial of Oral Cladribine for Relapsing Multiple Sclerosis
G. Giovannoni and Others
Page: 416

Acyclovir and Transmission of HIV-1 from Persons Infected with HIV-1 and HSV-2
C. Celum and Others
Page: 427

Clinical Practice

Jet Lag
R. L. Sack
Page: 440
Images in Clinical Medicine

Kinked Carotids
R. L. Rosenthal and B. R. Grimsley
Page: 448

Bleeding Esophageal Varices
E. Torrazza-Perez and N. Carreno
Page: e13

Clinical Problem-Solving

Under Pressure
M. E. Detsky, M. S. Balter, S. K. Sridhar, and J. Granton
Page: 449

Editorial

Oral Therapy for Multiple Sclerosis — Sea Change or Incremental Step?
W. M. Carroll
Page: 456

Reviewers for the Journal, July–December 2009
Page: 459

Sounding Board

Comparative Effectiveness and Health Care Spending — Implications for Reform
M. C. Weinstein and J. A. Skinner
Page: 460

Correspondence

Intensity of Continuous Renal-Replacement Therapy
Page: 466

Functional Status of Elderly Adults Receiving Dialysis
Page: 466

Accuracy of Financial Disclosures Reported by Physicians
Page: 466

Ankle–Brachial Index and Peripheral Arterial Disease
Page: 466

Transfusion of RhD-Positive Blood in "Asia Type" DEL Recipients
New England Journal of Medicine

Volume 362, Issue. 6 (11 February 2010)

Perspective

Is It Always Wrong to Perform Futile CPR?
R. D. Truog
Page: 477

Failing to Thrive
L. Rosenbaum
Page: 479

The Constitutionality of the Individual Mandate for Health Insurance
J. M. Balkin
Page: 482

Press Ahead or Scale Back? The Reform Effort after the GOP Victory in Massachusetts
J. K. Iglehart
Page: e14

Original Articles

Childhood Obesity, Other Cardiovascular Risk Factors, and Premature Death
P. W. Franks and Others
Page: 485

Stent Graft versus Balloon Angioplasty for Failing Dialysis-Access Grafts
Z. J. Haskal and Others
Page: 494

Single-Dose Liposomal Amphotericin B for Visceral Leishmaniasis in India
S. Sundar and Others
Page: 504

Long-Term Results of Hypofractionated Radiation Therapy for Breast Cancer
T. J. Whelan and Others
Page: 513

Brief Report: Lack of Cyclophilin B in Osteogenesis Imperfecta with Normal Collagen Folding
A. M. Barnes and Others
Page: 521
**Review Article**

**Current Concepts: The Enigma of Spontaneous Preterm Birth**  
L. J. Muglia and M. Katz  
Page: 529

**Images in Clinical Medicine**

**Retinal Arteriolar Occlusions during a Sickle Cell Crisis**  
S. J. Davis and A. Safar  
Page: 536

**Cutaneous Leishmaniasis**  
M. Malekpour and M. Esfandbod  
Page: e15

**Interactive Medical case**

**Stalking the Diagnosis**  
A. Vaidya, C. A. Morris, and J. J. Ross  
Page: e16

**Case Records of the Massachusetts General Hospital**

**Case 4-2010 — A 53-Year-Old Man with Arthralgias, Oral Ulcers, Vision Loss, and Vocal-Cord Paralysis**  
Page: 537

**Editorials**

**Are Children the Future of Type 2 Diabetes Prevention?**  
E. W. Gregg  
Page: 548

**Fistula First, Stent Graft Second**  
R. K. Kerlan Jr. and J. M. LaBerge  
Page: 550

**Clinical Implications of Basic Research**

**How Innate Immunity Can Inhibit the Release of HIV-1 from Infected Cells**  
J. Guatelli  
Page: 553
Correspondence

Antibiotic Prophylaxis and Recurrent Urinary Tract Infection in Children
Page: 555

Norovirus Gastroenteritis
Page: 555

Bacterial Diarrhea
Page: 555

Phosphodiesterase Inhibitors for Pulmonary Hypertension
Page: 555

FDA Drug Information That Never Reaches Clinicians
Page: 555

Neuromuscular Symptoms and Elevated Creatine Kinase after Statin Withdrawal
Page: 555

Israeli Views of Health Care Reform
Page: 555

Notices
Page: 565

Continuing Medical Education
Page: 567
New England Journal of Medicine

Volume 362, Issue 7 (18 February 2010)

Perspective

A Map to Bad Policy — Hospital Efficiency Measures in the Dartmouth Atlas
P. B. Bach
Page: 569

Looking Back, Moving Forward
J. Skinner, D. Staiger, and E. S. Fisher
Page: 569

The Earthquake in Haiti — Dispatch from Port-au-Prince
J. W. Pape, W. D. Johnson Jr., and D. W. Fitzgerald
Page: 575

Giving Teeth to Comparative-Effectiveness Research — The Oregon Experience
S. Saha, D. D. Coffman, and A. K. Smits
Page: e18

Surgeons' Dispatch from Cange, Haiti
Page: e19

Original Articles

Willful Modulation of Brain Activity in Disorders of Consciousness
M. M. Monti and Others
Page: 579

Projected Effect of Dietary Salt Reductions on Future Cardiovascular Disease
K. Bibbins-Domingo and Others
Page: 590

Dose of Prophylactic Platelet Transfusions and Prevention of Hemorrhage
S. J. Slichter and Others
Page: 600

Special Article

Newborn-Care Training and Perinatal Mortality in Developing Countries
W. A. Carlo and Others
Page: 614
Clinical Practice

Small Renal Mass
I. S. Gill, M. Aron, D. A. Gervais, and M. A. S. Jewett
Page: 624

Images in Clinical Medicine

Fulminant Ulcerative Colitis
A. Swaminath and D. Feingold
Page: 635

Prosthetic-Valve Dehiscence
J. L. Lopez-Campos and G. Vieyra-Herrera
Page: e20

Case Records of the Massachusetts General Hospital

Case 5-2010 — A 51-Year-Old Man with HIV Infection, Proteinuria, and Edema
J. Radhakrishnan, R. N. Uppot, and R. B. Colvin
Page: 636

Editorials

Cogito Ergo Sum by MRI
A. H. Ropper
Page: 648

Compelling Evidence for Public Health Action to Reduce Salt Intake
L. J. Appel and C. A. M. Anderson
Page: 650

Correspondence

Darbepoetin Alfa and Chronic Kidney Disease
Page: 653

Vaccination against HPV-16 for Vulvar Intraepithelial Neoplasia
Page: 653

A Peptide-Based Erythropoietin-Receptor Agonist for Pure Red-Cell Aplasia
Page: 653

Rasagiline in Parkinson's Disease
Page: 653
Thiazide Diuretics
Page: 653

Market Exclusivity for Biologics
Page: 653

Histopathological Features of the Kidney after Acute Renal Failure from Melamine
Page: 653

Notices
Page: 664

Continuing Medical Education
Page: 667
Serving Two Masters — Conflicts of Interest in Academic Medicine
B. Lo
Page: 669

Avoiding Side Effects in Implementing Health Insurance Reform
M. V. Pauly
Page: 671

Risking Big Changes with Small Reforms
S. M. Butler
Page: 673

Throwing Down the Gauntlet — Televised, Bipartisan Health Care Discussions
J. K. Iglehart
Page: e22

Forging Ahead — Embracing the "Reconciliation" Option for Reform
H. J. Aaron
Page: e23

Mutations in the Lysosomal Enzyme–Targeting Pathway and Persistent Stuttering
C. Kang and Others
Page: 677

Lasofoxifene in Postmenopausal Women with Osteoporosis
S. R. Cummings and Others
Page: 686

Timing of Initiation of Antiretroviral Drugs during Tuberculosis Therapy
S. S. Abdool Karim and Others
Page: 697

An Algorithm for Tuberculosis Screening and Diagnosis in People with HIV
K. P. Cain and Others
Page: 707
Clinical Therapeutics

**Permethrin and Ivermectin for Scabies**
B. J. Currie and J. S. McCarthy
Page: 717

**Review Article**

**Mechanisms of Disease: Graves' Ophthalmopathy**
R. S. Bahn
Page: 726

**Images in Clinical Medicine**

**Processus Supracondylaris Humeri**
F. Billmann
Page: 739

**Abdominal-Wall Abscess**
S. Rajagopalan and M. Loudon
Page: e24

**Case Records of the Massachusetts**

**Case 6-2010 — A 37-Year-Old Man with a Lesion on the Tongue**
T. R. Flynn, G. J. Hunter, and M. M. Johnson
Page: 740

**Editorials**

**Genetic Susceptibility to Stuttering**
S. E. Fisher
Page: 750

**Another Selective Estrogen-Receptor Modulator for Osteoporosis**
C. Becker
Page: 752

**Clinical Implications of Basic Research**

**Traffic Control for BRCA1**
W. D. Foulkes
Page: 755

**Correspondence**
Management of Lung Nodules Detected by Volume CT Scanning
Page: 757

A Novel Antibody Associated with Autoimmune Pancreatitis
Page: 757

Rituximab, B-Lymphocyte Depletion, and Beta-Cell Function
Page: 757

Revascularization for Renal-Artery Stenosis
Page: 757

Acquired Autoimmune Polyglandular Syndrome, Thymoma, and an AIRE Defect
Page: 757

Continuing Medical Education
Page: 767
Intervention studies

Factors influencing the effectiveness of interventions to reduce racial and ethnic disparities in health care
Rhys G. Jones, Amal N. Trivedi, John Z. Ayanian
Pages 337-341

A systematic grounded approach to the development of complex interventions: The Australian WorkHealth Program – Arthritis as a case study
Nicola Reavley, Jenni Livingston, Rachelle Buchbinder, Kim Bennell, Chris Stecki, Richard Harry Osborne
Pages 342-350

Resources and obstacles to developing and implementing a structural intervention to prevent HIV in San Salvador, El Salvador
Julia Dickson-Gomez, A. Michelle Corbett, Gloria Bodnar, Karla Rodriguez, Carmen E. Guevara
Pages 351-359

An assessment of community readiness for HIV/AIDS preventive interventions in rural Bangladesh
Frances Aboud, Nafisa Lira Huq, Charles P. Larson, Livia Ottisova
Pages 360-367

Regular articles

Stigma rises despite antiretroviral roll-out: A longitudinal analysis in South Africa
Brendan Maughan-Brown
Pages 368-374

The transition to living with HIV as a chronic condition in rural Uganda: Working to create order and control when on antiretroviral therapy
Steven Russell, Janet Seeley
Pages 375-382

Three kinds of psychological determinants for hand-washing behaviour in Kenya
Robert Aunger, Wolf-Peter Schmidt, Ashish Ranpura, Yolande Coombes, Peninnah Mukiri Maina, Carol Nkatha Matiko, Valerie Curtis
Pages 383-391

A cross cultural study of vaginal practices and sexuality: Implications for sexual health
Adriane Martin Hilber, Terence H. Hull, Eleanor Preston-Whyte, Brigitte Bagnol, Jenni Smit, Chintana Wacharasin, Ninuk Widyantoro and For the WHO GSVP Study Group
Pages 392-400

**Morbidity and mortality disparities among colonist and indigenous populations in the Ecuadorian Amazon**
William Kuang-Yao Pan, Christine Erlien, Richard E. Bilsborrow
Pages 401-411

**Rural-urban migration and health: Evidence from longitudinal data in Indonesia**
Yao Lu
Pages 412-419

**Early life circumstances and male suicide – A 30-year follow-up of a Stockholm cohort born in 1953**
Yerko Rojas, Sten-Ake Stenberg
Pages 420-427

**Socioeconomic differences in health over the life cycle in an Egalitarian country**
Hans van Kippersluis, Owen O'Donnell, Eddy van Doorslaer, Tom Van Ourti
Pages 428-438

**Productivity growth in outpatient child and adolescent mental health services: The impact of case-mix adjustment**
Vidar Halsteinli, Sverre A. Kittelsen, Jon Magnussen
Pages 439-446

**Using economic levers to change behaviour: The case of Thailand's universal coverage health care reforms**
David Hughes, Songkramchai Leethongdee, Sunantha Osiri
Pages 447-454

**Informative inducement: Study payment as a signal of risk**
Cynthia E. Cryder, Alex John London, Kevin G. Volpp, George Loewenstein
Pages 455-464

**Subjective unmet need and utilization of health care services in Canada: What are the equity implications?**
Sara Allin, Michel Grignon, Julian Le Grand
Pages 465-472

**Developing a longitudinal database of routinely recorded primary care consultations linked to service use and outcome data**
Brian Williams, Jon Dowell, Gerry Humphris, Markus Themessl-Huber, Rosemary Rushmer, Ian Ricketts, Paul Boyle, Frank Sullivan
Pages 473-478
Which patients improve: Characteristics increasing sensitivity to a supportive patient–practitioner relationship
Lisa Ann Conboy, Eric Macklin, John Kelley, Efi Kokkotou, Anthony Lembo, Ted Kaptchuk
Pages 479-484

Internet-based trials and the creation of health consumers
Jenny Advocat, Jo Lindsay
Pages 485-492
Commentaries on Jen, Jones, and Johnston's "Global variations in health: Evaluating Wilkinson's income inequality hypothesis using the World Values Survey" (68:4, 2009), and a response from the authors

Relative deprivation theory does not imply a contextual effect of country-level inequality on poor health. A commentary on Jen, Jones, and Johnston (68:4, 2009)
Jon Gunnar Bernburg
Pages 493-495

Re-evaluating self-evaluation. A commentary on Jen, Jones, and Johnston (68:4, 2009)
Anna Barford, Danny Dorling, Kate Pickett
Pages 496-497

On inequality and health, again: A response to Bernburg, and Barford, Dorling and Pickett
Ron Johnston, Min-Hua Jen, Kelvyn Jones
Pages 498-500

Commentary and debate papers: Managing patients in the ER

Long-stay inpatients in short-term emergency units in France: A case study
Yannis Gansel, François Danet, Catherine Rauscher
Pages 501-508

Long-stay inpatients in short-term emergency units in France. A commentary on Gansel, Danet, and Rauscher
Robert Zussman
Pages 509-510

The dynamic interaction of quality and efficiency in the emergency department: Squaring the circle?
Peter Nugus, Jeffrey Braithwaite
Pages 511-517

Regular articles

The consequence of encouraging girls to be active for weight loss
Kirsten Krahnstoever Davison, Glenn D. Deane
Pages 518-525
How does violence exposure affect the psychological health and parenting of young African-American mothers?
Stephanie J. Mitchell, Amy Lewin, Ivor B. Horn, Dawn Valentine, Kathy Sanders-Phillips, Jill G. Joseph
Pages 526-533

Predictors of risk of alcohol-exposed pregnancies among women in an urban and a rural area of South Africa
Pages 534-542

Contribution of interaction with family, friends and neighbours, and sense of neighbourhood attachment to survival in senior citizens: 5-year follow-up study
Ayako Morita, Takehito Takano, Keiko Nakamura, Masashi Kizuki, Kaoruko Seino
Pages 543-549

Another Mexican birthweight paradox? The role of residential enclaves and neighborhood poverty in the birthweight of Mexican-origin infants
Theresa L. Osypuk, Lisa M. Bates, Dolores Acevedo-García
Pages 550-560

Education and self-rated health: An individual and neighborhood level analysis of Asian Americans, Hawaiians, and Caucasians in Hawaii
Wei Zhang, Hamilton McCubbin, Laurie McCubbin, Qi Chen, Shirley Foley, Ida Strom, Lisa Kehl
Pages 561-569

Self-rated health and sickness-related absence: The modifying role of civic participation
Bram Lancee, Claartje L. ter Hoeven
Pages 570-574

Associations between IQ and cigarette smoking among Swedish male twins
Karin Modig Wennerstad, Karri Silventoinen, Per Tynelius, Lars Bergman, Jaakko Kaprio, Finn Rasmussen
Pages 575-581

Lifecourse influences on women's smoking before, during and after pregnancy
Hilary Graham, Summer Sherburne Hawkins, Catherine Law
Pages 582-587

Social capital and health in Australia: An overview from the household, income and labour dynamics in Australia survey
Helen Louise Berry, Jennifer A. Welsh
‘Rules’ for boys, ‘guidelines’ for girls: Gender differences in symptom reporting during childhood and adolescence
Alice MacLean, Helen Sweeting, Kate Hunt
Pages 597-604

Encounters with unemployment in occupational health care: Nurses' constructions of clients without work
Katri Romppainen, Rita Jähi, Antti Saloniemi, Pekka Virtanen
Pages 605-608

Perceptions of the gift relationship in organ and tissue donation: Views of intensivists and donor and recipient coordinators
Rhonda Shaw
Pages 609-615

Physicians' psychosocial barriers to different modes of withdrawal of life support in critical care: A qualitative study in Japan
Kaoruko Aita, Ichiro Kai
Pages 616-622

A changing landscape for advance directives in dementia research
Robin Pierce
Pages 623-630

Employment change and the role of the medical home for married and single-mother families with children with special health care needs
LeaAnne DeRigne, Shirley Porterfield
Pages 631-641
Review

An overview on 5α-reductase inhibitors
Saurabh Aggarwal, Suresh Thareja, Abhilasha Verma, Tilak Raj Bhardwaj, Manoj Kumar
Pages 109-153

Reference ranges for urinary concentrations and ratios of endogenous steroids, which can be used as markers for steroid misuse, in a Caucasian population of athletes
Pieter Van Renterghem, Peter Van Eenoo, Hans Geyer, Wilhelm Schänzer, Frans T. Delbeke
Pages 154-163

Regular papers

Effects of bile acids on rat hepatic microsomal type I 11β-hydroxysteroid dehydrogenase
Yorio Maeda, Seiji Naganuma, Ichiro Niina, Akio Shinohara, Chihiro Koshimoto, Kazuhiro Kondo, Kazuo Chijiwa
Pages 164-168

Validation of a total testosterone assay using high-turbulence liquid chromatography tandem mass spectrometry: Total and free testosterone reference ranges
Wael A. Salameh, Mildred M. Redor-Goldman, Nigel J. Clarke, Richard E. Reitz, Michael P. Caulfield
Pages 169-175

Five new C21 steroidal glycosides from the stems of Marsdenia tenacissima
Hua Zhang, Ai-Min Tan, An-Yuan Zhang, Rong Chen, Shi-Bao Yang, Xing Huang
Pages 176-183

Stereoselective synthesis of 9α-hydroxylated ecdysteroids
Svetlana V. Drach, Vladimir A. Khripach, Raisa P. Litvinovskaya, Alexander S. Lyakhov, Bernd Schneider, Halina A. Zhylitskaya
Pages 184-188

Corrigendum
Corrigendum to “Synthesis and antimicrobial evaluation of bile acid tridentate conjugates” [Steroids 74 (2009) 701–706]
Liliang Huang, Yanhong Sun, Hua Zhu, Yuanqing Zhang, Jia Xu, Yu-Mei Shen
Page 189
University News

Volume 48, Issue. 5(1-7 February 2010)

Contents

Sports: Grace, poise, peace odyssey and charisma
Nalin K Shastree
Page: 7

Wellness through physical activities and sports
A S Sisodiya, M Kumar and L S Shaktawat
Page: 13

Sports and human well being
S Titus
Page: 17

Role of sports for wholesome personality development
C Dey
Page: 21

Sports and personality development
R B Chaudhari
Page: 24

Health related physical fitness of adolescents
B Ahilan and V Gopinath
Page: 27

Study on personality differences among tribal sports persons of Orissa in relation to their motor fitness
P Rout
Page: 31

Personality traits of the Inter University level Volleyball players
V Singh and D P Sharma
Page: 35

Yoga: A solution to overcome the III-effects of modern life style
A Mahaboobjan
Page: 39

Role of sports for personality development of youth
R Nayak
Page: 40
**Performance anxiety in sports**  
P Jain and A Dubey  
Page: 42

**Promoting physical education at University level for developing mental health among the students**  
P B Thakur and J K savalia  
Page: 43

**A study of development of physical education curriculum in the light of sports marketing perspective**  
V Nijhawan, P S Kullar and K Sandhu  
Page: 47

**Development of University sports in 21st century India: Opportunities, issues, challenges and measures**  
I S Sodhi  
Page: 50

**Role of sports sciences in successful sports performance**  
G S Randhawa  
Page: 53

**Evaluation and improvement of sports techniques through biomechanical updated analyzing technology**  
M Singh  
Page: 54

**Importance of motivation and emotion in sports**  
P S Kharwar and S Prakash  
Page: 58

**Enhancing sports performance: Psychological approach**  
M P Patel  
Page: 60

**Science: An eventual reality of modern sport**  
M L Kamlesh  
Page: 64

**Broadbasing sports and achieving excellence: A strategic action plan**  
G Singh  
Page: 70

**Inculcating physical activity and sports culture among children and youth-Role of Doctors**
Empowering the sports excellence at University level
J Singh, G Dureja and R K Sharma
Page: 77

Broadcasting sports and achieving excellence: A strategic action plan
G Singh
Page: 81

Financing of games and sports in higher education
M Muzammil
Page: 85

Women in sports: Changing concept and evolving role
A K Banerjee
Page: 89

Participation of women in sports and physical education: Issues and challenges
G Srivastava
Page: 93

Sports for disabled people with special reference to USA
R V Pazhani
Page: 99

Commonwealth games: Friendly games
S K Lau
Page: 103

National University games: Management, organization and eligibility problems
G S Sivia
Page: 111

Convocation

Himachal Pradesh University, Shimla
Page: 113

Campus News
Page: 116

Theses
(Social Sciences)
Page: 123
University News

Volume 48, Issue. 6(8-14 February 2010)

Articles

Capitalization of India’s human resources invested abroad
Page: 1

Developing industry-institute partnership: An agenda for optimal utilization of resources
Page: 3

Indian higher education at cross roads
Page: 7

Marketing of higher education through off-shore campuses
Page: 10

Indian ethos and indianization of management : An insight
Page: 14

Convocation

Maharashtra Animal & Fisheries Sciences University, Nagpur
Page: 17

Campus News

Theses of the month
(Humanities)
Page: 26

Advertisements
Page: 30
University News

Volume 48, Issue. 7(15-21 February 2010)

Articles

Relating educational research to the community of practitioners
Page: 1

Management of preserving resources in digital library in Indian scenario:
Challenges and perspectives
Page: 4

From Behaviourism to Constructivism: A paradigm shift in teaching- learning process
Page: 14

Challenges in the implementation of Right to Education Act-2009
Page: 19

Convocation

Patna University, Patna
Page: 22

Campus News
Page: 24

Theses of the month
(Science & Tehnology)
Page: 30

Advertisements
Page: 35
University News

Volume 48, Issue. 8(22-28 February 2010)

Articles

New draft policy on Distance Learning in higher education sector: A critical appraisal
Page: 1

Developing information seeking behavior among the university students in an era of information explosion: Need of the hour
Page: 7

Academic libraries in the light of TQM
Page: 13

Spirituality, Morality and Science as a quest in human identity
Page: 18

Convocation

Institute of Health Sciences University, Dharan, Nepal
Page: 23

Campus News
Page: 25

These of the month
(Science & Technology)
Page: 32

Advertisements
Page: 37
Yoga and Total Health

Volume 55, Issue 7 (February 2010)

News
A N Desai
Page: 2

Letters to Editor
Page: 4

Basic approach to Yoga study
Yogendraji
Page: 5

The story that stirs....Living each day
Patanjali J Yogendra
Page: 6

Grapes age sour
J Y
Page: 7

Samatvam
Hansaji
Page: 8

Octogenarian teacher with teenage sparkle
The Times of India
Page: 9

The Yogan and mother nature
Page: 10

Why intern thoughts?
P Narasingh Rao
Page: 11

Yoga and laryngitis
P A Rajput
Page: 13

Sankaracarya
Sarita Modi
Page: 15
I don’t look at the clock
T Mirchandani
Page: 16

Tilla Jogian
H Sequeira
Page: 17

Changing our anxiety into wisdom
J Kimbrough
Page: 18

Survey of prevalence of Hypertension in the people attending The Yoga institute
International Board of Yoga
Page: 20