

## WHAT'S WRONG WITH PRESENT-DAY MEDICINE

THIS IS A SMALL SELECTION BUT COVERS THE SALIENT POINTS  
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### MEDICINE & MEDICAL SCIENCE

(Stories of Cutthroat Competition and Psychiatry are listed separately below)

#### BOOKS:

- Abraham, John. *Science, Politics, and the Pharmaceutical Industry: Controversy and Bias in Drug Regulation*. St. Martin's Press, 1995
- Abramson, John. *Overdo\$ed America: The Broken Promise of American Medicine*. HarperCollins, 2004
- Adams, Stanley. *Roche versus Adams*. Jonathan Cape, 1984
- Angell, Marcia. *The Truth About the Drug Companies: How They Deceive Us and What To Do About It*. Random House, 2004
- Avorn, Jerry. *Powerful Medicines: The Benefits, Risks, and Costs of Prescription Drugs*. Knopf, 2004
- Barlett, Donald L. & James B. Steele. *Critical Condition: How Health Care in America Became Big Business — and Bad Medicine*. Doubleday, 2004
- Braithwaite, John. *Corporate Crime in the Pharmaceutical Industry*. Routledge, 1984/2012
- Brody, Howard. *Hooked: Ethics, the Medical Profession, and the Pharmaceutical Industry*. Rowman & Littlefield, 2006
- Brownlee, Shannon. *Overtreated: Why Too Much Medicine Is Making Us Sicker and Poorer*. Bloomsbury, 2007
- Conrad, Peter. *The Medicalization of Society: On the Transformation of Human Conditions into Treatable Disorders*. Johns Hopkins University Press, 2007
- Critser, Greg. *Generation Rx: How Prescription Drugs Are Altering American Lives, Minds, and Bodies*. Houghton Mifflin, 2005
- Deyo, Richard A. & Donald L. Patrick. *Hope or Hype: The Obsession with Medical Advances and the High Cost of False Promises*. AMACOM (American Management Association), 2005
- Elliott, Carl. *Better Than Well: American Medicine Meets the American Dream*. W.W. Norton, 2003
- Goldacre, Ben. *Bad Pharma: How Drug Companies Mislead Doctors and Harm Patients*. Faber & Faber, 2013
- Goozner, Merrill. *The \$800 Million Pill: The Truth behind the Cost of New Drugs*. University of California Press, 2004
- Gøtzsche, Peter C. *Mammography Screening: Truth, Lies and Controversy*. Oxford & New York: Radcliffe, 2012
- Gøtzsche, Peter C. *Deadly Medicines and Organised Crime: How Big Pharma Has Corrupted Healthcare*. Oxford & New York: Radcliffe, 2013
- Greene, Jeremy. *Prescribing by Numbers: Drugs and the Definition of Disease*. Johns Hopkins University Press, 2007
- Hadler, Nortin M. *The Last Well Person: How to Stay Well Despite the Health-Care System*. McGill-Queen's University Press, 2004
- Healy, David. *Pharmageddon*. University of California Press, 2012
- Kassirer, Jerome. *On The Take: How Medicine's Complicity with Big Business Can Endanger Your Health*. Oxford University Press, 2004
- Kauffman, Joel M. *Malignant Medical Myths: Why medical treatment causes 200,000 deaths in the USA each year, and how to protect yourself*. Infinity Publishing, 2006; ISBN 0-7414-2909-8
- Kenney, Martin. *Biotechnology: The University-Industrial Complex*. Yale University Press, 1986
- Lundberg George D., with James Stacey. *Severed Trust : Why American Medicine Hasn't Been Fixed*. Basic Books, 2000
- Mahar, Maggie. *Money Driven Medicine: The Real Reason Health Care Costs So Much*. Collins, 2006
- Medawar, Charles & Anita Hardon. *Medicines Out of Control?: Antidepressants and the Conspiracy of Goodwill*. Amsterdam: Aksant Academic Publishers, 2004

- Millenson, Michael L. *Demanding Medical Excellence: Doctors and Accountability in the Information Age*. University of Chicago Press, 1997
- Moore, Thomas J. *Deadly Medicine: Why Tens of Thousands of Heart Patients Died in America's Worst Drug Disaster*. Simon & Schuster, 1995
- Moore, Thomas J. *Prescription for Disaster: the Hidden Dangers in Your Medicine Cabinet*. Simon & Schuster, 1998
- Moynihan, Ray & Alan Cassels. *Selling Sickness: How the World's Biggest Pharmaceutical Companies Are Turning Us All Into Patients*. Nation Books, 2005
- Mundy, Alicia. *Dispensing with the Truth: The Victims, the Drug Companies, and the Dramatic Story behind the Battle over Fen-Phen*. St. Martin's Press, 2001
- O'Brien, Lawrence J. *Bad Medicine: How the American Medical Establishment Is Ruining Our Healthcare System*. Prometheus, 2004
- Pearce, Neil. *Adverse Reactions: The Fenoterol Story*. Auckland (NZ): Auckland University Press, 2007
- Petersen, Melody. *Our Daily Meds: How the Pharmaceutical Companies Transformed Themselves into Slick Marketing Machines and Hooked the Nation on Prescription Drugs*. Picador, 2009
- Petryna, Adriana. *When Experiments Travel: Clinical Trials and the Global Search for Human Subjects*. Princeton University Press, 2009
- Porter, Roger J. & Thomas E. Malone. *Biomedical Research: Collaboration and Conflict of Interest*. Johns Hopkins University Press, 1992
- Ravnskov, U. *The Cholesterol Myths*. New Trends Publishing, 2000
- Rodwin, Marc A. *Medicine, Money and Morals: Physicians' Conflicts of Interest*. Oxford University Press, 1993
- Rost, Peter. *The Whistleblower: Confessions of a Healthcare Hitman*. New York: Soft Skull Press, 2006
- Seaman, Barbara. *The Greatest Experiment Ever Performed On Women: Exploding the Estrogen Myth*. Hyperion, 2003; Seven Stories Press(2<sup>nd</sup> ed), 2009
- Silverman, Milton Morris. *The Drugging of the Americas: How Multinational Drug Companies Say One Thing about Their Products to Physicians in the United States, and Another Thing to Physicians in Latin America*. University of California Press, 1976
- Silverman, Milton, Philip R. Lee, & Mia Lydecker. *Prescriptions for Death : The Drugging of the Third World*. University of California Press, 1982
- Silverman, Milton, Mia Lydecker & Philip Lee. *Bad Medicine: The Prescription Drug Industry in the Third World*. Stanford University Press, 1992
- Smith, Richard. *The Trouble with Medical Journals*. CRC Press (Taylor & Francis, now Informa), 2006
- Stephens, Trent & Rock Brynner. *Dark Remedy: The Impact of Thalidomide and Its Revival as a Vital Medicine*. New York: Basic Books, 2001
- Virapen, John. *Side Effects: Death. Confessions of a Pharma-Insider*. Virtualbookworm.com, 2010
- Welch, H. Gilbert, Lisa Schwartz, & Steve Woloshin. *Overdiagnosed: Making People Sick in the Pursuit of Health*. Beacon Press, 2012
- Werth, Barry. *The Billion-Dollar Molecule*. Simon & Schuster, 1994
- Yoxen, Edward. *The Gene Business*. Harper & Row, 1983

#### **REPORTS:**

- Evaluation of Biomarkers and Surrogate Endpoints in Chronic Disease*. Institute of Medicine; Christine M. Micheel & John R. Ball, eds.; National Academies Press, 2010
- Perspectives on Biomarker and Surrogate Endpoint Evaluation: Discussion Forum Summary*. Institute of Medicine; Alison Mack, Erin Balogh, & Christine Micheel, rapporteurs; National Academies Press, 2011

#### **Withdrawn Unsafe or Ineffective Drugs**

<http://www.medscape.com/viewarticle/757499>

<http://www.medscape.com/viewarticle/757499>

[http://en.wikipedia.org/wiki/List\\_of\\_withdrawn\\_drugs](http://en.wikipedia.org/wiki/List_of_withdrawn_drugs)

## STORIES OF CUTTHROAT COMPETITION

- Angier, Natalie. *Natural Obsessions: The Search for the Oncogene*. Houghton Mifflin, 1987
- Goldberg, Jeff. *Anatomy of a Scientific Discovery*. Bantam, 1988
- Hall, Stephen S. *Invisible Frontiers: The Race to Synthesize a Human Gene*. Atlantic Monthly, 1987
- Hull, David L. *Science as a Process: An Evolutionary Account of the Social and Conceptual Development of Science*. University of Chicago Press, 1988
- Kanigel, Robert. *Apprentice to Genius: The Making of a Scientific Dynasty*. Macmillan, 1986
- Levinthal, Charles E. *Messengers of Paradise: Opiates and the Brain*. Anchor/Doubleday, 1988
- Snyder, Solomon H. *Brainstorming: The Science and Politics of Opiate Research*. Harvard University Press, 1989
- Taubes, Gary. *Nobel Dreams: Power, Deceit, and the Ultimate Experiment*. Random House, 1986
- Teitelman, Robert. *Gene Dreams: Wall Street, Academia, and the Rise of Biotechnology*. Basic, 1989
- Wade, Nicholas. *The Nobel Duel: Two Scientists' 21-Year Race to Win the World's Most Coveted research Prize*. Doubleday, 1981
- Watson, James D. *The Double Helix: A Personal Account of the Discovery of the Structure of DNA*. Atheneum, 1968 (a very useful annotated edition including commentaries, reviews, and original articles was edited by Gunther Stent, W. W. Norton 1980)

## PSYCHIATRY

- Abraham, John, & Julie Sheppard. *The Therapeutic Nightmare*. Earthscan (UK), 1999
- Bass, Alison. *Side Effects: A Prosecutor, a Whistleblower, and a Bestselling Antidepressant on Trial*. Algonquin Books, 2008
- Breggin, Peter. *Medication Madness: A Psychiatrist Exposes the Dangers of Mood-Altering Medications*. St. Martin's Press, 2008
- Caplan, Paula J. *They Say You're Crazy: How The World's Most Powerful Psychiatrists Decide Who's Normal*. Da Capo Press, 1996
- Carlat, Daniel. *Unhinged: The Trouble with Psychiatry — A Doctor's Revelations about a Profession in Crisis*. Free Press, 2010
- Diller, Lawrence H. *Running on Ritalin: A Physician Reflects on Children, Society, and Performance in a Pill*. Bantam, 1999
- Diller, Lawrence H. *The Last Normal Child: Essays on the Intersection of Kids, Culture, and Psychiatric Drugs*. Praeger, 2006
- Diller, Lawrence H. *Remembering Ritalin: A Doctor and Generation Rx Reflect on Life and Psychiatric Drugs*. Perigee Trade, 2011
- Ellis, Albert. *Why Some Therapies Don't Work*. Prometheus, 1989
- Frances, Allen. *Saving Normal: An Insider's Revolt Against Out-of-Control Psychiatric Diagnosis, DSM-5, Big Pharma, and the Medicalization of Ordinary Life*. William Morrow, 2013
- Glennmullen, Joseph. *Prozac Backlash: Overcoming the Dangers of Prozac, Zoloft, Paxil, and Other Antidepressants with Safe, Effective Alternatives*. Simon & Schuster, 2001
- Greenberg, Gary. *Manufacturing Depression: The Secret History of a Modern Disease*. Simon & Schuster, 2010
- Healy, David. *The Creation of Psychopharmacology*. Harvard University Press, 2002
- Healy, David. *Let Them Eat Prozac: The Unhealthy Relationship Between the Pharmaceutical Industry and Depression*. NYU Press, 2006
- Hobson, J. Allan, & Jonathan A. Leonard. *Out of Its Mind: Psychiatry in Crisis*. Perseus, 2001.
- Horwitz, Allan V. *Creating Mental Illness*. University of Chicago Press, 2003
- Horwitz, Allan V., Jerome C. Wakefield, & Robert L. Spitzer. *The Loss of Sadness: How Psychiatry Transformed Normal Sorrow into Depressive Disorder*. Oxford University Press, 2007
- Kirsch, Irving. *The Emperor's New Drugs: Exploding the Anti-Depressant Myth*. Basic Books, 2010
- Lane, Christopher. *Shyness: How Normal Behavior Became a Sickness*. Yale University Press, 2008
- Moncrieff, Joanna. *The Myth of the Chemical Cure: A Critique of Psychiatric Drug Treatment*. Palgrave Macmillan, 2009 (revised ed.)
- Moncrieff, Joanna. *The Bitterest Pills: The Troubling Story of Antipsychotic Drugs*. Palgrave Macmillan, 2013
- Watters, Ethan. *Crazy Like Us: The Globalization of the American Psyche*. Free Press, 2010
- Whitaker, Robert. *Mad in America: Bad Science, Bad Medicine, and the Enduring Mistreatment of the Mentally Ill*. Basic Books, 2010 (2<sup>nd</sup> ed.)
- Whitaker, Robert. *Anatomy of an Epidemic: Magic Bullets, Psychiatric Drugs, and the Astonishing Rise of Mental Illness in America*. Crown, 2010

## SOME SALIENT ARTICLES:

- Altman, D. G. The scandal of poor medical research. *British Medical Journal*, 308 (1994) 283-1
- Altman, Douglas G. & J. Martin Bland. Absence of evidence is not evidence of absence. *British Medical Journal* 311 (1995) 485
- Angell, Marcia. Drug companies & doctors: A story of corruption. *New York Review of Books*, 56 (15 January 2009); <http://www.nybooks.com/articles/22237>
- Anon. Do statins have a role in primary prevention? An update. *Therapeutics Newsletter*, #77, March-April 2010
- Ashburn, Ted T. & Karl B. Thor. Drug repositioning: Identifying and developing new uses for existing drugs. *Nature Reviews — Drug Discovery*, 3 (2004) 673-83
- Bauer, Henry H. Seeking Immortality? Challenging the drug-based medical paradigm. *Journal of Scientific Exploration*, 26 (2012) 867-80
- Bauer, Henry H. Know your numbers—at your peril. *Journal of Scientific Exploration*, 25 (2011) 555-62 (essay review of Jeremy A. Greene, *Prescribing by Numbers: Drugs and the Definition of Disease*)
- Bland, J. M. & D. G. Altman. Bayesians and frequentists. *British Medical Journal* 317 (1998) 1151-60
- Greenland, Sander. Probability logic and probabilistic induction. *Epidemiology*, 9 (1998) 322-32
- Ioannidis, John P. A. Contradicted and initially stronger effects in highly cited clinical research. *JAMA*, 294 (2005) 218-228
- Ioannidis, John P. A. & Orestis A. Panagiotou. Comparison of effect sizes associated with biomarkers reported in highly cited individual articles and in subsequent meta-analyses. *JAMA*, 305 (2011) 2200-10
- Järvinen, T. L., H. Sievänen, P. Kannus, J. Jokihäärä & K. M. Khan. The true cost of pharmacological disease prevention. *British Medical Journal*, 342 (2011) doi: 10.1136/bmj.d2175
- Matthews, R. A. J. Facts versus factions: The use and abuse of subjectivity in scientific research. *European Science and Environment Forum Working Paper*, 1998; reprinted (pp. 247-82) in J. Morris (ed.), *Rethinking Risk and the Precautionary Principle*, Butterworth, 2000
- Matthews, R. A. J. Significance levels for the assessment of anomalous phenomena. *Journal of Scientific Exploration*, 13 (1999) 1-7.
- McGauran, Natalie, Beate Wieseler, Julia Kreis, Yvonne-Beatrice Schüller, Heike Kölsch & Thomas Kaiser. Review Reporting bias in medical research - a narrative review. *Trials*, 11 (2010) 37 (15pp.)
- Moynihan, Ray. Surrogates under scrutiny: fallible correlations, fatal consequences. *British Medical Journal*, 343 (2011) doi: 10.1136/bmj.d5160
- Nieuwenhuis, Sander, Birte U Forstmann & Eric-Jan Wagenmakers. Erroneous analyses of interactions in neuroscience: a problem of significance. *Nature Neuroscience*, 14 (2011) 1105-7
- Radley, David C., Stan N. Finkelstein & Randall S. Stafford. Off-label prescribing among office-based physicians. *Archives of Internal Medicine*, 166 (2006) 1021-6
- Rose, Nikolas. Disorders without borders? the expanding scope of psychiatric practice. *Biosocieties*, 1 (2006) 465-84
- Schriger, D. L. & D. G. Altman. Inadequate post-publication review of medical research. *British Medical Journal*, 341 (2010) doi: 10.1136/bmj.c3803
- Willman, David. How a new policy led to seven deadly drugs. *Los Angeles Times*, 20 December 2000; <http://www.latimes.com/news/nationworld/nation/la-122001fda,0,4840718,full.story>