

Applied Pharmacoeconomic and Outcomes Research Forum

February 10th 2014



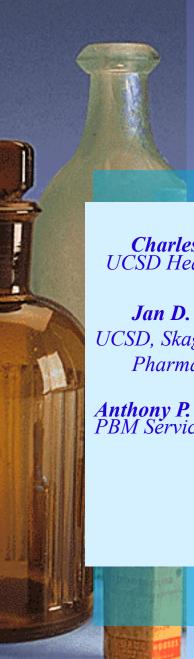
Ten Forums and Seven Years

- 1. AMCP Dossiers: Useful for Decision Making or Not? A Debate
- 2. Biologics: Drawing (or Crossing) the line of Cost vs. Benefit: A Case in Oncology
- 3. Quality Adjusted Life Years (QALY's) for Decision Making: Views from Canada & the US
- 4. Using Large Databases to Inform Decision Making: Experience in Three Health Care Systems
- 5. Real World Data for Decision Making: Moving Beyond Clinical Trials
- 6. Pharmacoeconomics of Pharmacogenomics
- 7. Pharmacoeconomics & Pricing: Now & After Health Care Reform
- 8. What is the Business Case for Quality Improvement Initiatives?
- 9. Specialty Pharmacy Distribution Channels & Processes: Challenges & Opportunities Today & Under Health Care Reform
- 10.Biosimilars: Challenges and Opportunities for All Today & Under Health Care Reform.



- Discuss commonly encountered obstacles to conducting or utilizing results of PE studies
- Explore solutions from various perspectives

Create an environment & foundation to foster larger PE/Outcomes Research Interest Group



Steering Committee

Charles Daniels, R.Ph., Ph.D. UCSD Healthcare Department of Pharmacy Ted Ganiats, MD UCSD School of Medicine

Jan D. Hirsch, R.Ph., Ph.D.

UCSD, Skaggs School of Pharmacy &
Pharmaceutical Sciences

Mirta Millares, Pharm.D., FCSHP, FASHP

Kaiser Permanente – CA Regions

Anthony P. Morreale, Pharm.D., MBA, BCPS PBM Services, Department of Veterans Affairs

Michael Pollock Reynolds Pollock & Associates

Robert Schoenhaus, Pharm.D.
Sharp HealthCare



Sponsors - Thanks!









GOAL: Sustainable fund for future PE Forums



Top 10 Most Important Drugs

"... how the drug changed whole infrastructure of the drug industry and the practice of medicine."

John Swann, Historian FDA

Leslie Z. Benet, PhD, Professor Bioengineering and Therapeutic Sciences, UCSF School of Pharmacy

Stephen Greenberg, PhD, Medical Historian, National Library of Medicine at NIH

2004 WebMD _http://www.webmd.com/features/10-most-important-drugs



Digoxin (Lanoxin)®



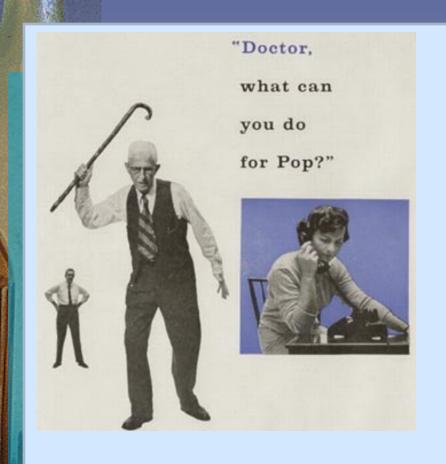
"... because a lot of people with heart failure would be dead without it"



Oral Contraceptives



"... far-reaching and social impact"



Thorazine®



"... led directly to today's deinstitutionalization..."

chlorpromazine

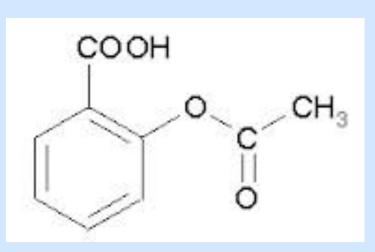


Salvarsan[®]



"... specific treatment for specific disease..." "... first chemotherapy"

arsphenamine



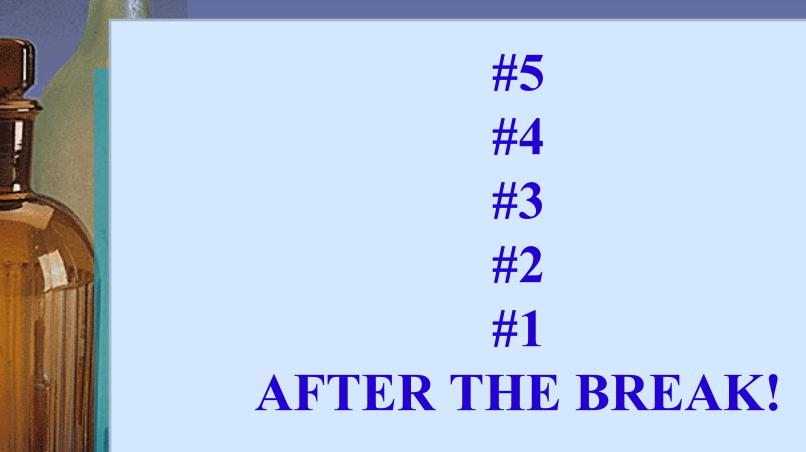
Aspirin



"...first drug to ... treat simple pain," "... it is more or less crucial for quality of life"

acetylsalicylic acid

Top 10 Most Important Drugs





Agenda

Moderator: Michael Pollock

UCSD Healthcare Department of Pharmacy

Overview of Biosimilar Markets and Issues

Bryan A. Liang, MD, PhD, JD

Professor and Director, San Diego Center

for Patient Safety, UCSD

Views from a Manufacturer's Perspective

Jim Hayes

Senior Director, Government Affairs &

Reimbursement Strategy: Managed Markets

Allergan

BREAK

Views from a Payer Perspective

Kevin D. Host, PharmD

Senior Vice President, Specialty Pharmacy,

OptumRx

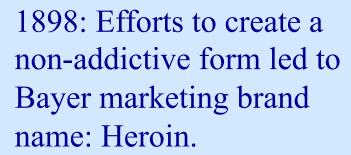
Panel Q & A/Discussion

ALL





AFTER THE BREAK





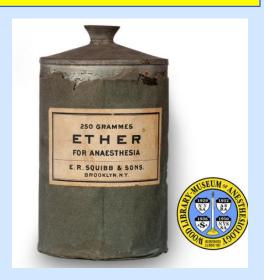
Morphine



"...forerunner of several generations of pain-alleviating drugs"



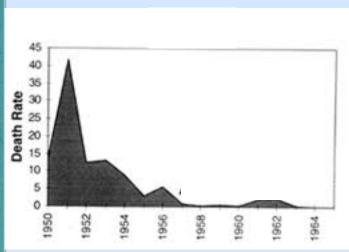
Ether



"...first drug used as an anesthetic"

"The making of modern surgery"

Smallpox & Polio Vaccine

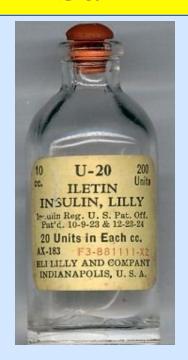




"...few preventive medicines have had the impact of the smallpox and polio vaccines"

- Word first used in 1922
- "great example of what can be accomplished in terms of collaboration between industry and academic researchers."
- "... grandfather of all other hormone-replacement therapies."

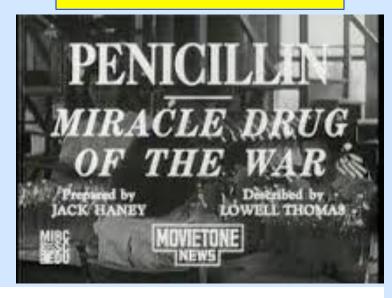
Insulin



World Population



Penicillin



"Without penicillin, 75% of the people now alive would not be alive because their parents or grandparents would have succumbed to infections.

Top 10 Most Important Drugs

- 1. Penicillin
- 2. Insulin
- 3. Smallpox and Polio Vaccine
- 4. Ether
- 5. Morphine
- 6. Aspirin
- 7. Salvarsan® (arsphenamine)
- 8. Thorazine® (chlorpromazine)
- 9. Oral Contraceptives
- 10.Lanoxin® (digoxin)