

Applied Pharmacoeconomic and Outcomes Research Forum

February 6th 2017



13 Forums and Eleven 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
- 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.
- 11. Patient Reported Outcomes: Useful for Whom?
- 12. Health Services Research: Applications & Challenges Across Healthcare Systems
- 13.The New World of Biosimilars in the U.S. Current Challenges to Inform Future Directions





Steering Committee

Welcome "Trainees"

Michael S. Broder MD, MSHS
Partnership for Health Analytic Research

Jan D. Hirsch, RPh, PhD
UCSD, Skaggs School of
Pharmacy & Pharmaceutical Sciences

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

Charles Daniels, RPh, PhD
UCSD Health Department of Pharmacy

Mirta Millares, PharmD, FCSHP, FASHP Kaiser Permanente – CA Region

Michael Pollock
PPD

Robert Schoenhaus, PharmD
Sharp HealthCare



Sponsors - Thanks!

PE Forum Sponsorship Fund & Exhibitors









Pharmaceutical Industries Ltd.





Flashback...



2013

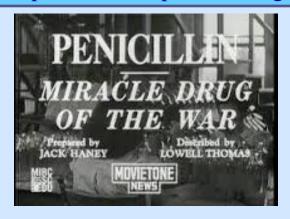
Top 5 Sci-Fi Drugs



Dune
The Spice
Melange

2014

Top 10 Most Important Drugs



2015

7 Most Famous TV Doctors of All Time



2016

Pharma Trivia



SANDOZ

Cyclosporine discovery: travel policy of "digging on location"



Biosimilars of the Animal Kingdom



Asian Elephant

African Elephant

2 head domes

1 head dome

Small ear

Large ear

1 finger end of trunk

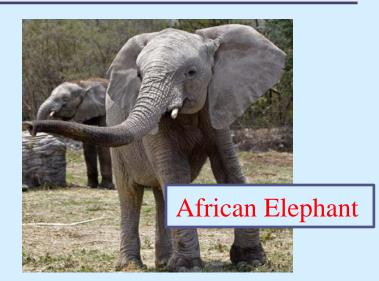
2 fingers end of trunk















Alligator

Crocodile

Freshwater

Golf course visitor

V-shaped snout

Saltwater

"Happy" to see you

Captain Hook pursuer



Alligator



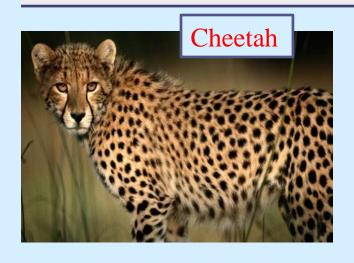








Tan fur Yellow fur Beware in Day Beware at Night... Drags prey to tree top Spots: SOLID BLACK Spots: BROKEN RING PATTERN













Toad	Frog
300 species	400 species
Short walking legs	Long leaping legs
Dry skin	Slimy skin
Bonus feature: neurotoxin secreting glands	Bonus feature: certain body parts delicacies of French and Chinese cuisine







Frog





More after the Break!





Agenda

Biosimilars: Are we there yet?

Charles Daniels, PhD
Pharmacist-in Chief, UCSD Health

Stakeholder Perspectives

Pharmaceutical Manufacturer – Innovator and Biosimilar Products

Scott Foraker, JD
Vice President and General Manager, Biosimilars, Amgen

Health Care System

Ambrose Carrejo, PharmD, Director, National Pharmaceutical Contracting, Kaiser Permanente

Health Plan

Mark Cziraky, PharmD VP Research HealthCore Inc, an Anthem Company

Panel Q & A/Discussion All





Llama	Alpaca
200-350 pounds	100-175 pounds
Long banana-shaped ears	Short spear-shaped ears
Guard herds of "B"	Sweater worthy





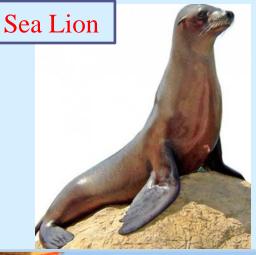








Sea Lion "walk" and "run" on land "Shimmy" like a caterpillar on land Congregate in groups called rafts Noisy barkers Special Ops Force



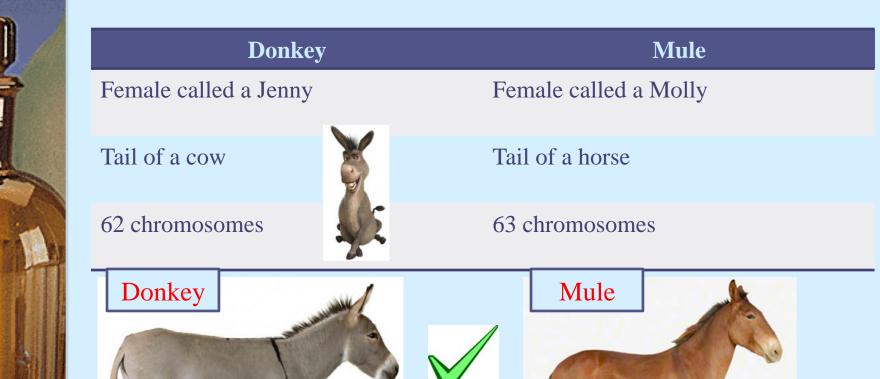




Seal











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