New Horizons In Emergency Medicine ......Without Boundaries!

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Overview

• Emergency Medicine Today
• Emergency Medicine Next Steps
• Emergency Medicine Positioning
• Questions
Key Words

- New Horizons
- Emergency Medicine
- Boundaries
Complex Comet Care

• Emergency Department Volumes
• Volumetric Rise of Technology
• Recording, Transfer, Analysis, Action
The Care Team

• Physicians: Emergency, Stroke, Critical Care, Toxicologists & Infectious
• Trauma Surgeons: Acute Care; Neurosurgeons; Orthopedics, Plastics
• Nurses: All Levels
• Mid Levels: PA; ARNP
• Medics: Pre Hospital & Hospital
• Administrators: Health System, Regional and International
• Technologists: IT, Biomedical and System Drivers
The Beneficiaries

• Patients
• Public
• Profiteers
• Policy Makers
Compare

Universe
• Earth
• Water
• Sky
• Air
• Fire

Emergency Medicine
• Education
• Research
• Patient Care
• Policy
• Public Health
Emergency Medicine Today

• We have evolved over half a century
• Across the world we continue to develop
• LEAP Frog & Cultural Challenges Continue
LEAP Frog & Cultural Challenges


The m-Health revolution: Exploring perceived benefits of WhatsApp use in clinical practice.

Ganasegeran K, Renganathan P, Rashid A, Al-Dubai SA.


Intercultural Competence of Western Teachers for Nepalese Rescuers.

Conventional EMI Boundaries

• **Academic:** Training, Innovation, Clinical Therapy
• **Practice:** Providers, Pre-Hospital
• **Global:** International Emergency Medicine
• **Policy:** Hospitals, Transport, FSD, National, International
Boundaries
Preparedness & Performance


Triad of Trends
Sum Total

- Technology Will Drive Transformation
- Traditional Medicine Will Interface with Transformation
- Blood may not remain the only detection gateway
- From NanoDetection to NanoTherapy Nano will Drive everything
- Data Volume will Drive Virtual Decisions

• THERE ARE NO BOUNDARIES
EMNext TOP 10

1. Point of Care Precise Personalized Emergency Care (POCPPEC)
2. Big Data Decisions
3. Artificial Intelligence / Virtual Reality / Robotics
4. Self Care Before Health Care
5. Transnational Traditional Translation
6. Preparedness Performance Policy and Physicians
7. NanoMedicine
8. Devices and Tools for Augmenting Survival
9. Intermingling & Churning of Competencies
10. Communication Technology
Realities & Projections
The Promising Future of Drones in Prehospital Medical Care and its Application to Battlefield Medicine. Braun J, Gertz SD, Furer A, Bader T, Frenkel H, Chen J, Glassberg E, Nachman D.

Next Steps


“If you can only read one book on the future of our species, this is it.”
—SANJAY GUPTA, MD

HACKING DARWIN

GENETIC ENGINEERING and the FUTURE of HUMANITY

JAMIE METZL
“Never Doubt That A Small Group of Thoughtful, Committed People Can Change The World.

Indeed, it is the only thing that ever has !”

Margaret Mead
Credits

- PBS Images
- Noun Project
- Sanford Health
- Harvey
- Phys.org
- Wikipedia
- EPAT
- Citiskylines.org
- Edcsarasotacounty.com
- Unclebob Hong Kong Robot
- National Geographic
- Healthadvanceblog.com
- Money.cnn.com
Thank You

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