INNOVATION@ACC

Moving Cardiovascular Care FORWARD
Healthcare 2017: ‘still a DMV model’
Today’s clinician-patient relationship

Kartik A. Valluri, MD;
The wonder drug

A digital revolution in health care is speeding up

Telemedicine, predictive diagnostics, wearable sensors and a host of new apps will transform how people manage their health

Adrenaline rush

United States, digital health startup funding, $bn

Source: Accenture

*Forecast

Economist. March 2, 2017
Health Technology

Contact info@venturescanner.com to see all 863 companies
- Solutions in search of a problem
- Evidence lacking ...and can be an enemy
- Clinical insight and integration are absent
Digital Health

Care Delivery
EXPERT COMMENTARY

FRED BOVE: Driving Innovation...p.7

ANDREW FREEMAN: U.S. Dietary Guidelines for Adults 2015: Confusion or Clarity?...p.48

CLINICAL NEWS

HCTZ No Longer an Acceptable Option for Treating Essential Hypertension?...p.14

Exercise at the Extremes: Relationship Between Exercise Volume and Risk Reduction...p.23

PROVE-IT to IMPROVE-IT: The Power of Ezetimibe and Simvastatin Post-AAC...p.55

Note to HiPSF Patients: Eat Well and Keep Moving...p.75

Patient-Centered Outcome Measures After Stroke...p.78

More Evidence for Lower BP Targets...p.80

ACC.org/CSEW

Forget publish or perish; today, it’s INNOVATE or DIE

CARDIOVASCULAR INNOVATION SUMMIT

September 28, 2016 • 7:00 a.m. – 3:30 p.m.

INNOVATION@ACC
Lead
Facilitate
Partner

Care Delivery Innovation
Digital Health
Population Health Management
Health Analytics (AI, big data)
Knowledge Generation/Research
Precision Health

INNOVATION@ACC
Lead

• Roadmap for innovation
• Digital health evaluation
• Implementation
HEALTH POLICY STATEMENT


A Report of the American College of Cardiology Task Force on Health Policy Statements and Systems of Care
Institute for Computational Health

A partnership of

AMERICAN COLLEGE of CARDIOLOGY

and

CENTER FOR OUTCOMES RESEARCH AND EVALUATION

INNOVATION@ACC
Facilitate

- Professional / career development
- Convene / crowdsource
- Networks
New: Healthcare Innovation
Digital Health Challenges

APPLICATION DEADLINE: 26.9.17

VITAL NEXT

CONTINUUM OF CARE. REDEFINED

Tuesday, 03.10.17 | 9:00-20:00
American College of Cardiology and Israel Innovation Institute
global challenge competition

FUTURE HUB

THE FUTURE OF CARDIOVASCULAR HEALTH
CARE STARTS NOW. The Future Hub will inform, educate and inspire
ACC.18 attendees with the latest innovations in Digital Health, Medical Devices,
and Ed Tech (Educational Technology).

March 10-12, 2018

INNOVATION@ACC
PINNACLE
Largest outpatient CV registry in the U.S.

Over 50 million records from 12 million unique patient lives to-date

Founded in 2008 with more than 9,000 providers submitting data from 3000 office locations

* Data as of August 2017
Partner

- Innovation projects
- New partnerships
- Co-create
Since 2007, billion replaced

#PepxSF

A Report of the American College of Cardiology Task Force on Health Policy Statements and Systems of Care
Innovation → Insights → Knowledge

Priority Objectives @ACC

Digital Health
- Big Data
- Precision Health

New Innovations

Patient Care & Research
- Implementation Methods

Roadmap
- Mile Markers of Success

Stakeholder Engagement
- Cooperative Network

Evidentiary Requirements
- Innovation Platforms
Why Transform Now?
Rising Burden of Disease

Digital & Virtual Health

Patient-centric

Learning Health System

Cost Containment

Open Data Transparency

Personalized omic-driven medicine

Clinical Workflows

Artificial Intelligence

Healthcare Transformation
New Innovations

Implemention Methods

Stakeholder Engagement

Evidentiary Requirements

Mile Markers

THINGS COME APART
A PHOTOGRAPH BY TODD MCCLEAN

280 parts


1 part

0 parts

200 parts
Compact for Human-Centered Designs

Priority Problems to Solve

Facilitate meaningful information exchange

User (patient, caregiver, clinician) activation

Dedicated infrastructure and resources

Cultural empowerment and best practices
New Innovations

Stakeholder Engagement

Evaluation

Integration

Engagement

Care Efficiency

Implementation Methods

Evidentiary Requirements

Mile Markers
New Innovations

Stakeholder Engagement

Evidentiary Requirements

Evidentiary requirements
New trial designs
Genome-EHR
Real-world evidence

Integration

Engagement

Care Efficiency
New Innovations

Stakeholder Engagement

Implementation Methods

Evidentiary Requirements

Mile Markers

Evidentiary requirements
New trial designs
Genome
Real-world evidence

Clinical Workflows
Reimbursement
EHR Integration

Engagement

Care Efficiency
New Innovations

Stakeholder Engagement

- Evidentiary requirements
- New trial designs
- Genome
- Real-world evidence

Implementation Methods

- Clinical Workflows
- Reimbursement
- EHR Integration

Mile Markers

Evidentiary Requirements

Care Efficiency

- Patient Expectations
- Privacy
- Costs
- Diverse Communities
New Innovations

Stakeholder Engagement

Evidentiary Requirements

Implementation Methods

Mile Markers

Evidentiary requirements
New trial designs
Genome
Real-world evidence

Clinical Workflows
Reimbursement
EHR Integration

Patient Expectations
Privacy
Costs
Diverse Communities

Quality of Care
Clinical Throughput
Disease Management
Patient-Reported
New Innovations

Stakeholder Engagement

Implementation Methods

Evidentiary Requirements

Mile Markers

Identify the top priorities for healthcare transformation

Organize the advances in new innovations

Engage and guide stakeholder and partner organizations

Identify the capacity of new innovations for workflow integration

Partner with patient advocacy groups and hospitals

Align big-data with patient reported outcomes

Incubate new data analytics applied within clinical registries

Develop a research and evaluations network

Create tools for payment models and quality improvement

Broadcast ACC resources that can be leveraged for projects development and partnership
Meet Dr. Salim Hayek

- FIT
- Innovation Section member
- Interests:
  - Clinical Cardiology
  - Heart Failure
  - "Omics" technology
  - Psychosocial data
  - Predictive analytics
  - Mobile health
His Professional Development and the ACC

- Academic section
- Early Career

Clinical

CHF
- Heart Failure and Transplant
- Cardio-oncology

Innovation Section
- Multi-disciplinary

Big Data, Digital Health, Personalized Medicine
Telemedicine, predictive diagnostics, wearable sensors and a host of new apps will transform how people manage their health.
Life

The rise of medical entrepreneurs

How students are turning their ideas into innovative apps and products

By: Matt Limb
Our Mission

• Our mission is to be the professional development home for the growing number of cardiovascular clinicians and trainees with career interests in healthcare innovation, focusing on entrepreneurship, data science and informatics, implementation of innovation, digital health, and emerging technologies.
Activities

**Career Development**
- Partnerships, networking, alignment, mentorship

**Community Engagement**
- Meet Ups; Online community
- ACC Annual Session Hands-on Activities

**Education and Implementation**
- Webinars, Blogs, Statements, etc
- Pilots and ACC Projects
- Dashboard; Platform
Strategic Relationships Build an Innovation Ecosystem
Interest very high
(deep ‘bench’...will continue to grow)

Potential reach: all 53k ACC members / international / all demographics... critical for future members and future of ACC

Hundreds of ACC members ready to join/engage
You are our Founders and Partners