#### INNOGEST SGR LEADING INVESTMENTS IN INNOVATION

#### INNOVATION IN HEALTHCARE: THE HEALTHY WAY THAT BENEFIT IN THE LONG TERM

February 15<sup>th</sup> 2019

Milan, ANIA Innovation Summit





# WHO ARE WE

#### **INNOGEST CAPITAL**



#### SPECIALIZED IN INNOVATION

#### INTERNATIONAL PRESENCE



- Independent alternative investment management company.
- Mission: deliver superior returns by investing in promising companies selected and managed through deep sector expertise
- Leadership Program launched in 2016 to strengthen team and become the reference VC firm in selected areas in Digital and Healthcare

VERTICAL INDUSTRY FOCUS: DIGITAL, HEALTHCARE Corefund I



CARDIOVASCULAR AND METABOLIC Digitech I

DIGITAL AND

**TECHNOLOGY** 

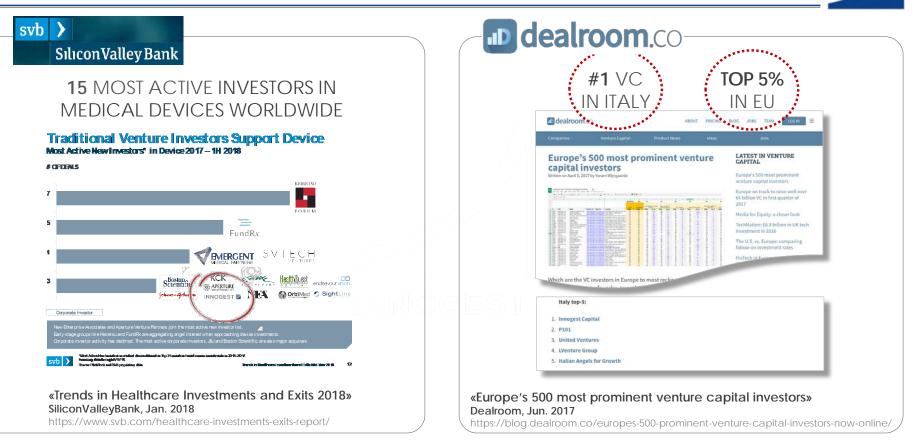
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ONCOLOGY

CONTROLLED BY ITS KEY MANAGERS

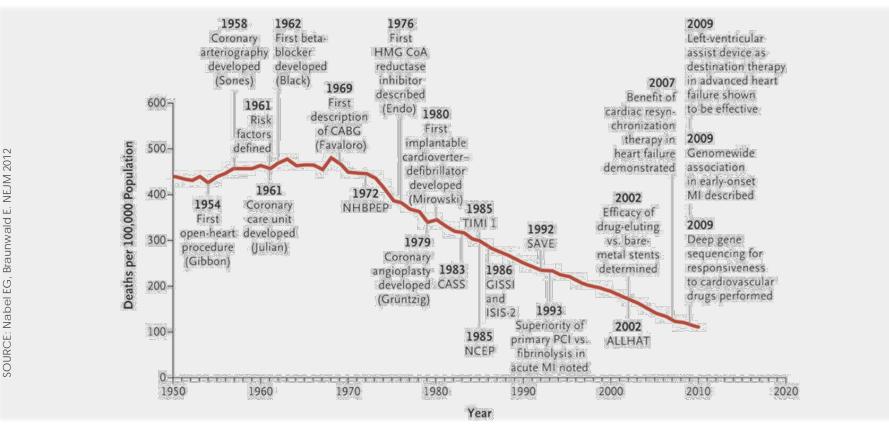






# TECHNOLOGY MATTERS IN HEALTHCARE

#### TECHNOLOGY DEVELOPMENTS DO MATTER IN MEDICINE







THE PERCUTANEOUS REVOLUTION

Life-saving therapies delivered through minimally-invasive approaches, changing forever the riskbenefit equation for patients



THE PRECISION MEDICINE REVOLUTION

Patient-specific prevention, diagnosis and therapy, to reduce the burden of diseases. Transformative innovation in biomarkers, mobile health, genomics, imaging and A.I.



THE ARTIFICIAL INTELLIGENCE REVOLUTION

More precise, more real time applications that adapt and react to patients need in an unprecedented way



THE CELL & GENE THERAPY REVOLUTION

A new era is dawning where we will eliminate the disease, rather than minimize its effects. Several viral genecarriers received FDA approval.



# FOCUS ON DIGITAL HEALTH

#### GAME CHANGING INNOVATION PHASE 1: VIRTUAL CARE



#### REPLACE WHAT YOU DO NOW (E.G. VIRTUAL VISITS); IMPROVE ACCESS, PATIENT EXPERIENCE & ENGAGEMENT

SOURCE: Kamal Jethvani, Sr. Director, Connected Health Innovation, Partners Healthcare



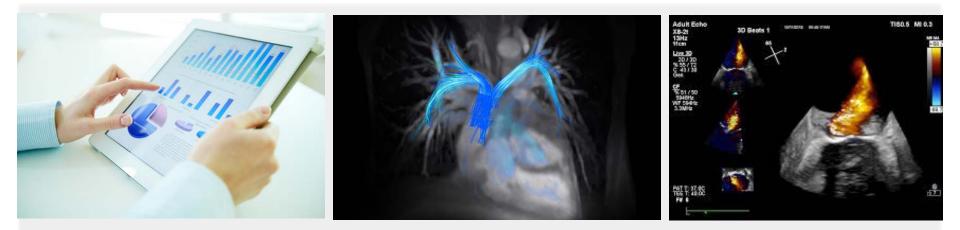
#### GAME CHANGING INNOVATION PHASE 2: **REMOTE MONITORING**



#### DATA WE DIDN'T HAVE BEFORE TO INFORM CARE MANAGEMENT (E.G. MOBILE, BIOSENSOR, VOICE, ETC.)

SOURCE: Kamal Jethvani, Sr. Director, Connected Health Innovation, Partners Healthcare

#### GAME CHANGING INNOVATION PHASE 3: **AI DRIVEN CARE**



#### PREDICTION, INTERPRETATION, CARE RECOMMENDATIONS; DIGITAL THERAPEUTICS (INCLUDING DIRECT TO PATIENTS AND CARE TEAM ACTING ON IT)

SOURCE: Kamal Jethvani, Sr. Director, Connected Health Innovation, Partners Healthcare

#### EPILEPSY SEIZURE DETECTION NOW

#### EDA + Accelerometer + Gyroscope

Automatic, real-time alerts Sleep, Stress, Physical activity and Location analytics

INNOGEST SGR





EMBRACE: FIRST EPILEPSY SMART WATCH TO BE CLEARED BY







Event detection

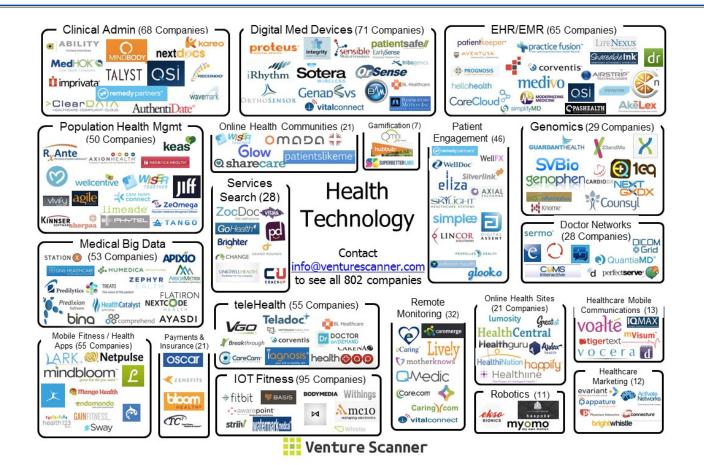
Event notification

Share alerts with Caregivers

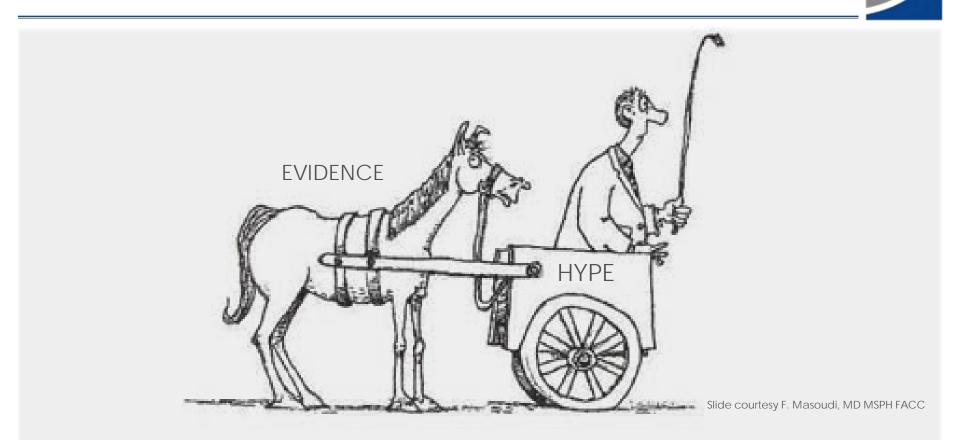
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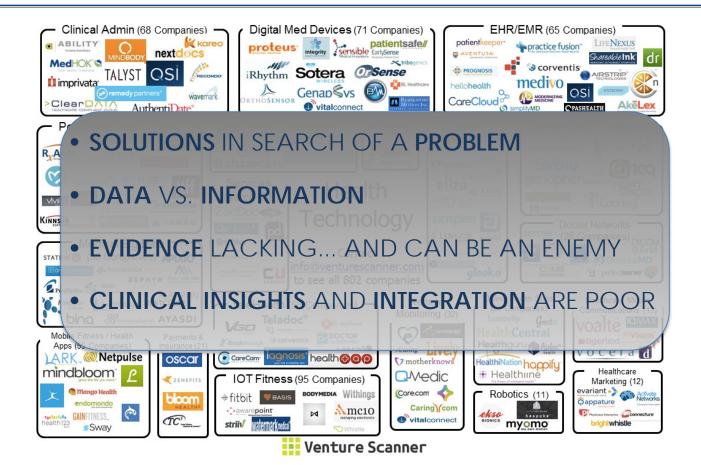
# HUGE OPPORTUNITIES & PITFALLS



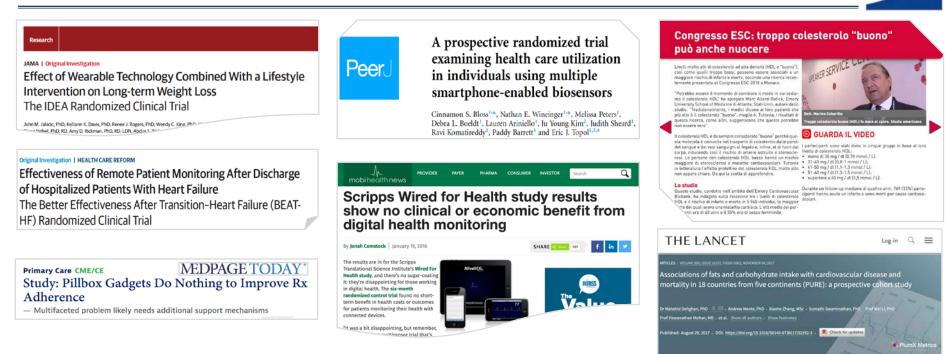
#### HEALTH TECHNOLOGY



#### HEALTH TECHNOLOGY: REAL IMPACT?



#### NO CLINICAL BENEFIT



Summary

Background

The relationship between macronutrients and cardiovascular disease

controversial. Most available data are from European and an nutrition excess is more likely, so their applicable

Total fat and types of fat were not associated with cardiovascular disease, myocardial infarction, or cardiovascular disease mortality

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#### IS ALL DIGITAL HEALTH SOLID?

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# HOW TO NAVIGATE IN COMPLEXITY

## CREDIBILITY

#### **SMART REGULATORS** ARE FRIENDS (NOT ENEMIES)





2016: change in FDA regulation to speed patient access to new medical devices and evolution in technology

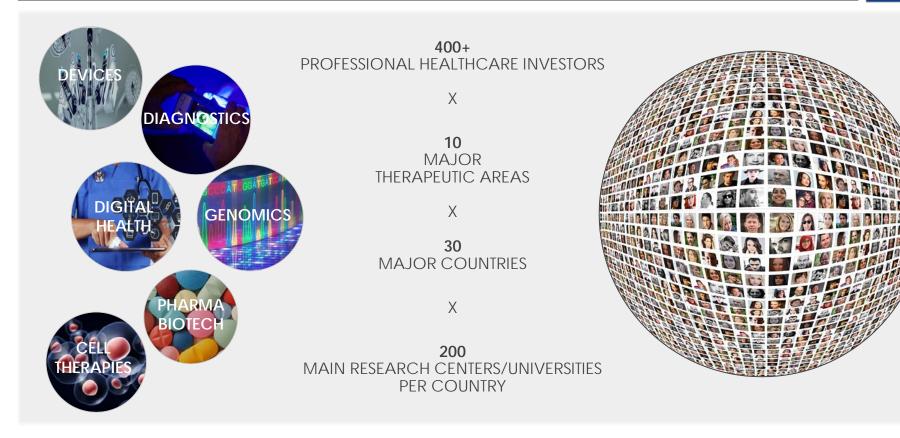
In last 3 years significant increase in number of digital health monitoring devices approved by FDA



# HOW TO NAVIGATE

### THOUROUGH VISIBILITY

#### IT'S A JUNGLE OUT THERE



#### A COMPASS IN THE JUNGLE



# REGULATORS ARE FRIENDS (NON ENEMIES) ...





#### ... SO ARE VENTURE FIRMS



- ... as long as they bring:
- in-depth clinical expertise
- Regulatory
  expertise
- state of the art knowledge in therapeutic areas

#### **INNOGEST IN HEALTHCARE: A DIFFERENT APPROACH** FOLLOW THE PATIENT THROUGHOUT ITS JOURNEY



#### WE START FROM THE SINGLE UNMET MEDICAL NEEDS

(diabetes, heart failure...), and then we identify the best solutions or set of solutions

#### CONTACTS

Richard Belluzzo rick.belluzzo@innogestcapital.com +1 208 863 4088

Claudio Giuliano claudio.giuliano@innogestcapital.com +39 335 6353147

Giovanni Leo giovanni.leo@innogestcapital.com +41 76 386 8305

Stefano Molino stefano.molino@innogestcapital.com +39 335 6443382



www.innogestcapital.com @innogest\_vc