

ADVANCES IN CARDIAC ARRHYTHMIAS *and* GREAT INNOVATIONS IN CARDIOLOGY

XXIX GIORNATE CARDIOLOGICHE TORINESI

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www.cardiologiamolinette.it

Segreteria: Comunicare – Torino – Tel. 0116604284

Provider: Aristeia - Genova



TURIN
27-28
OCTOBER
2017

SAVE THE DATE

Centro Congressi
Unione Industriale
di Torino

PFO: UN UNAVOIDABLE INDICATOR OF COMPLEXITY IN MEDICINE

CHRISTIAN PRISTIPINO, MD, FESC, FACC

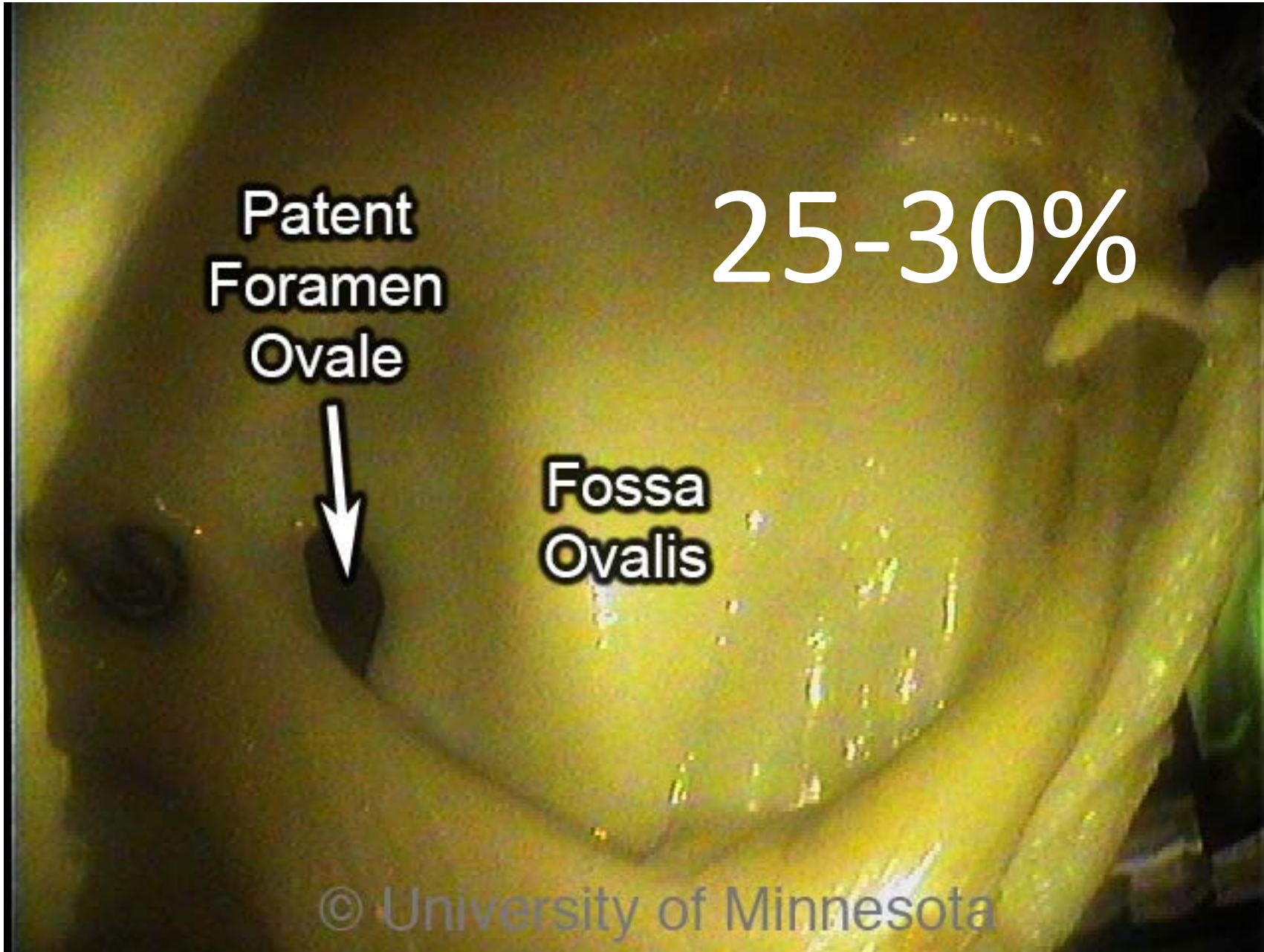
SAN FILIPPO NERI HOSPITAL, ROMA

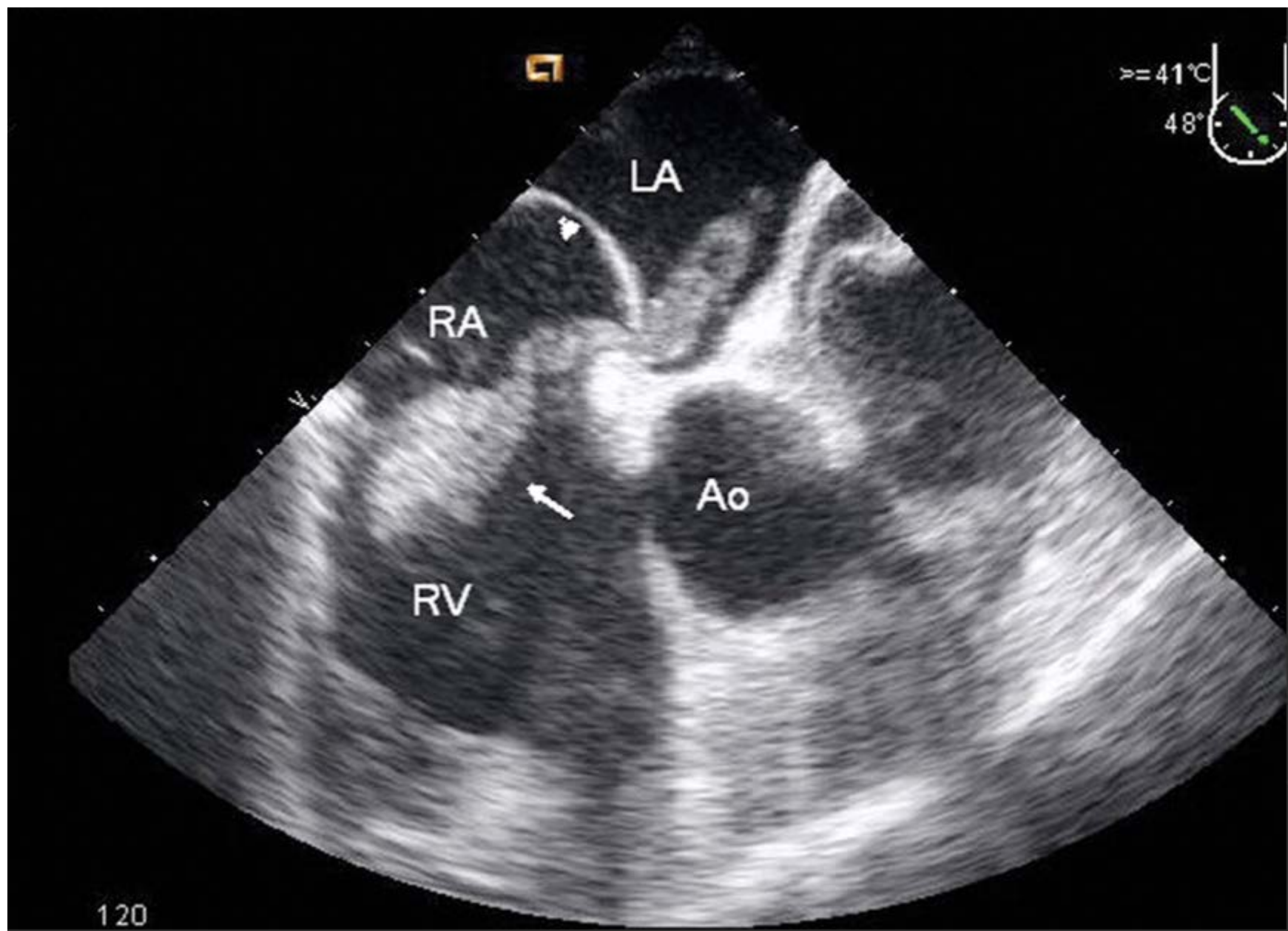
Patent
Foramen
Ovale

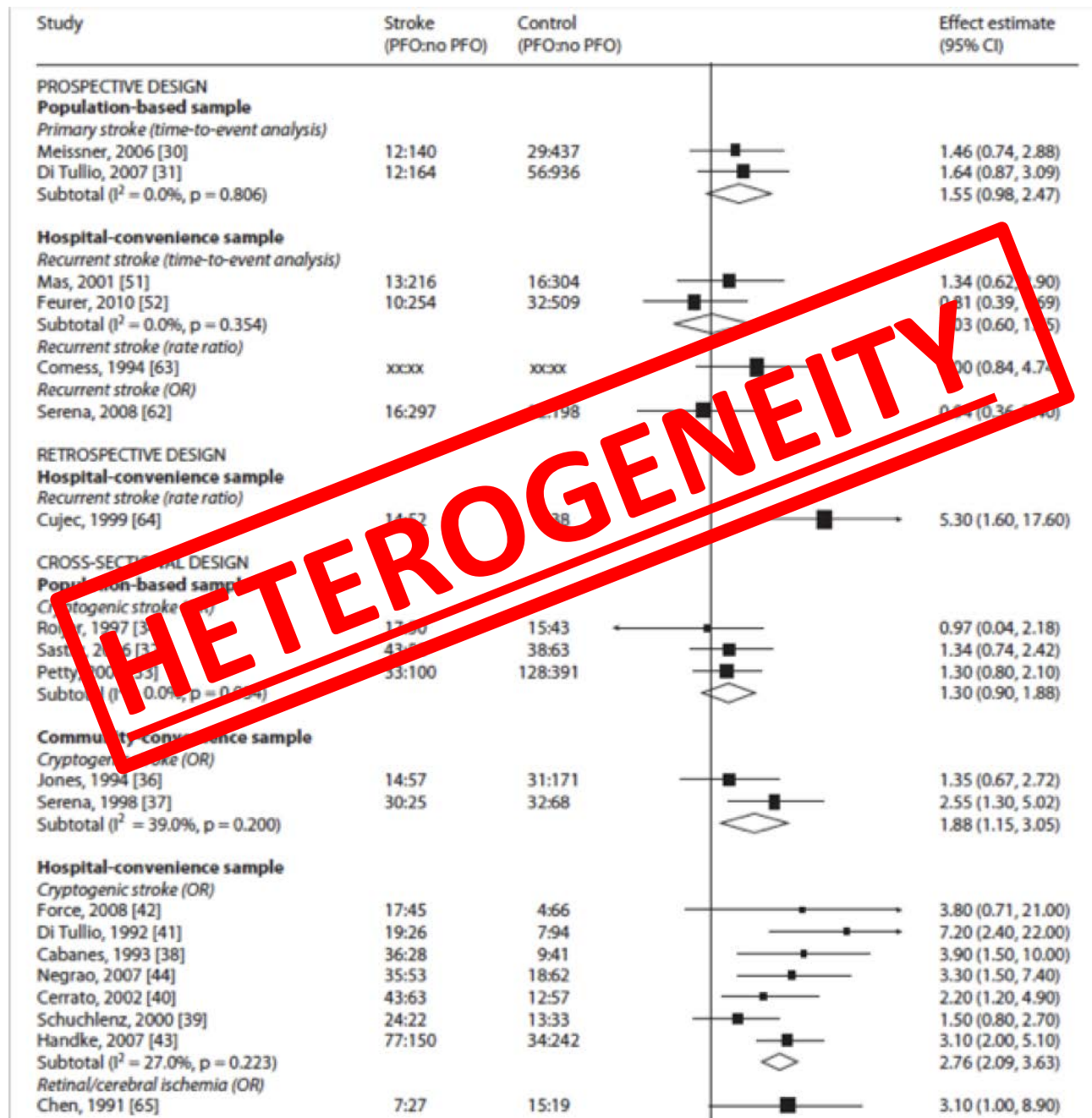
25-30%

Fossa
Ovalis

© University of Minnesota



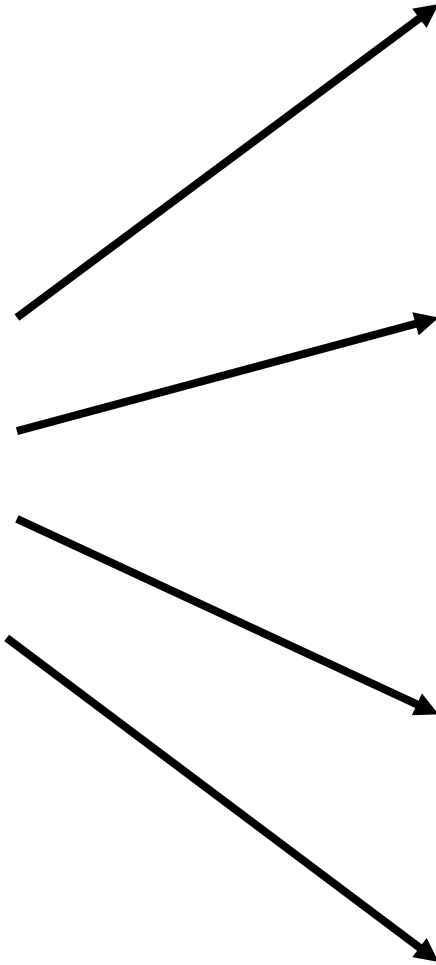




19 meta-analyses
On
3 randomized trials!



**SV
ARRHYTHMIAS
& PFO**

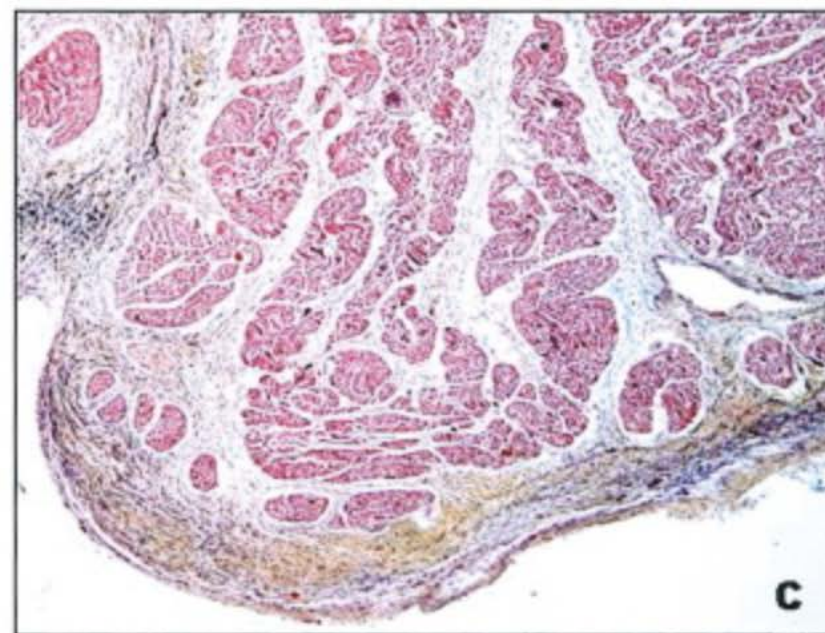
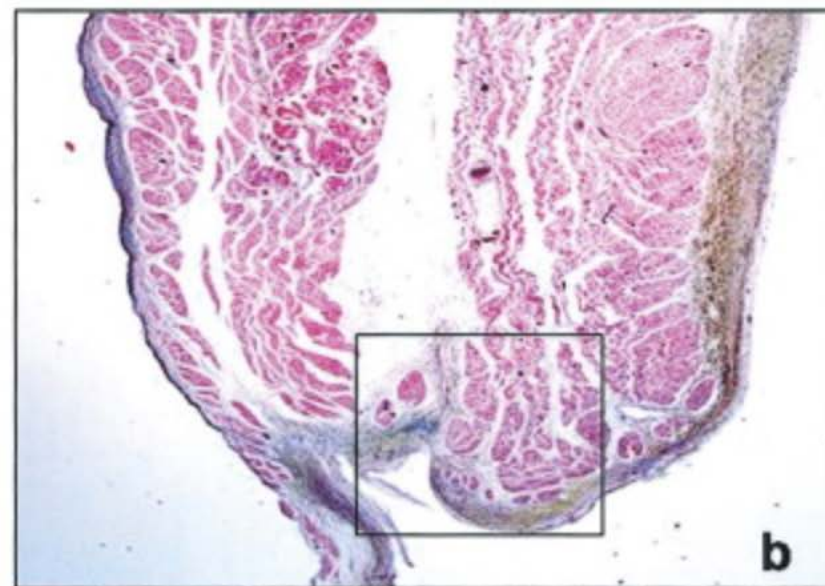
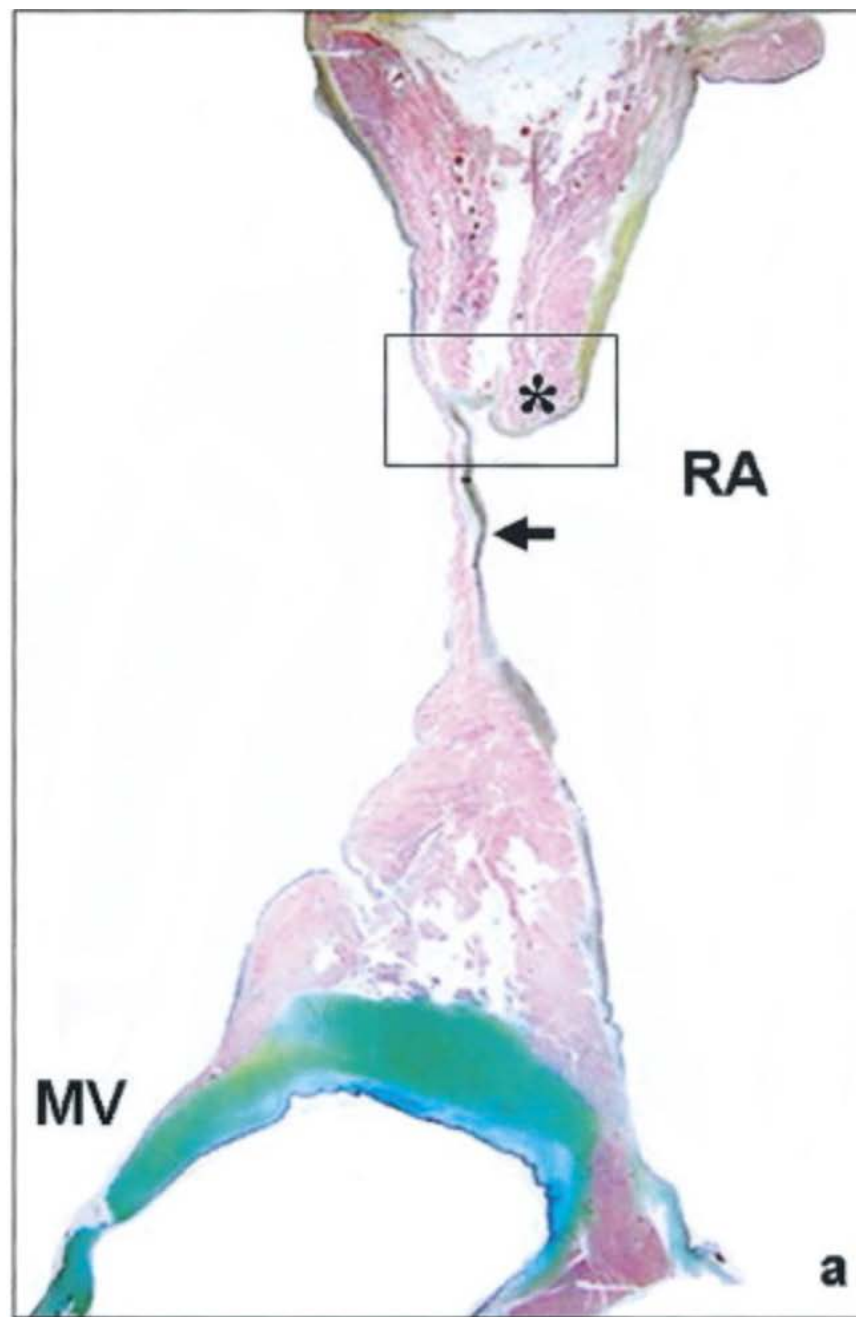


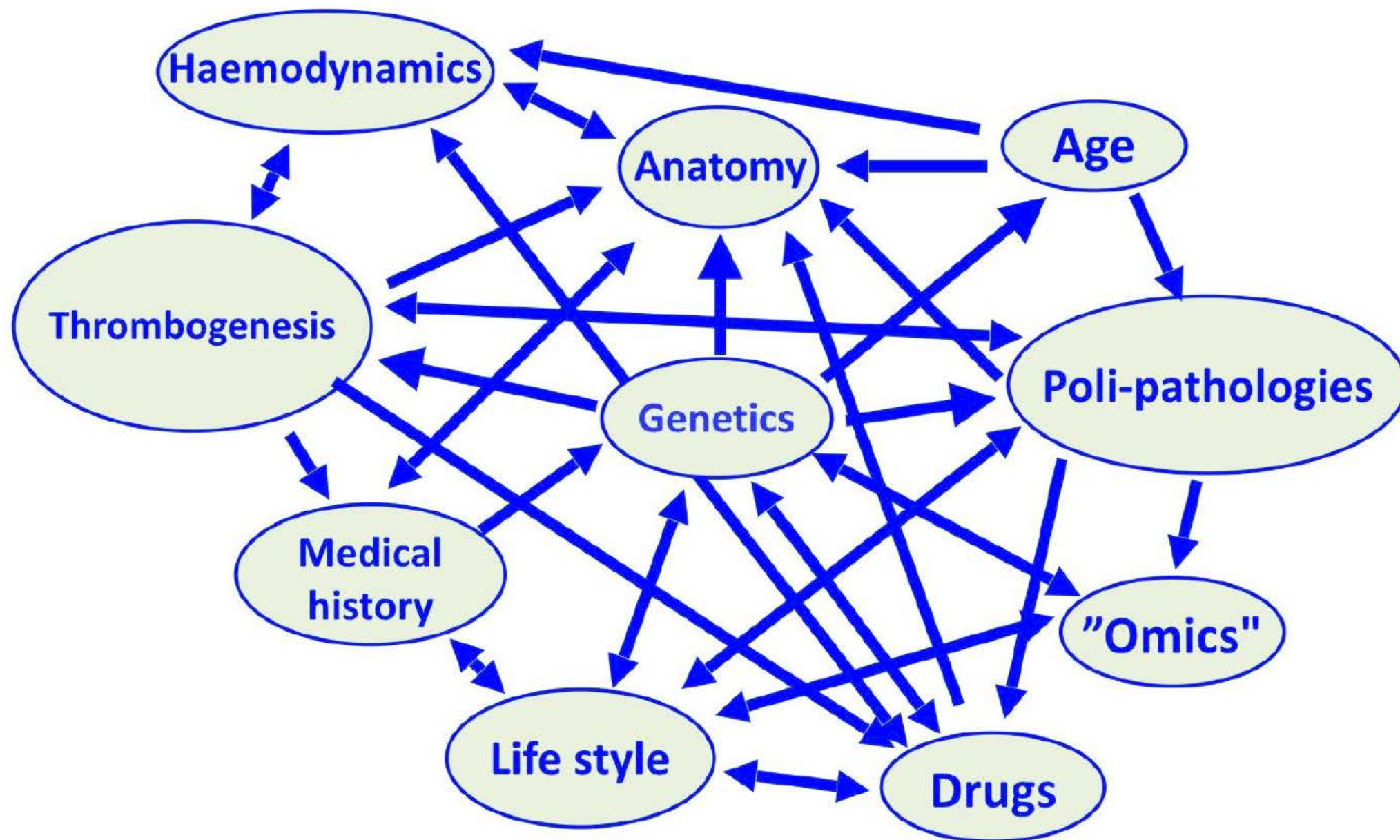
42-52% ATRIAL VULNERABILITY

42-52% INDUCIBLE SUSTAINED AT

≈ 10% AF INCIDENCE BEFORE CL.

5-8 % AF INCIDENCE AFTER CL.





***EUROPEAN POSITION PAPER
ON
PFO MANAGEMENT***

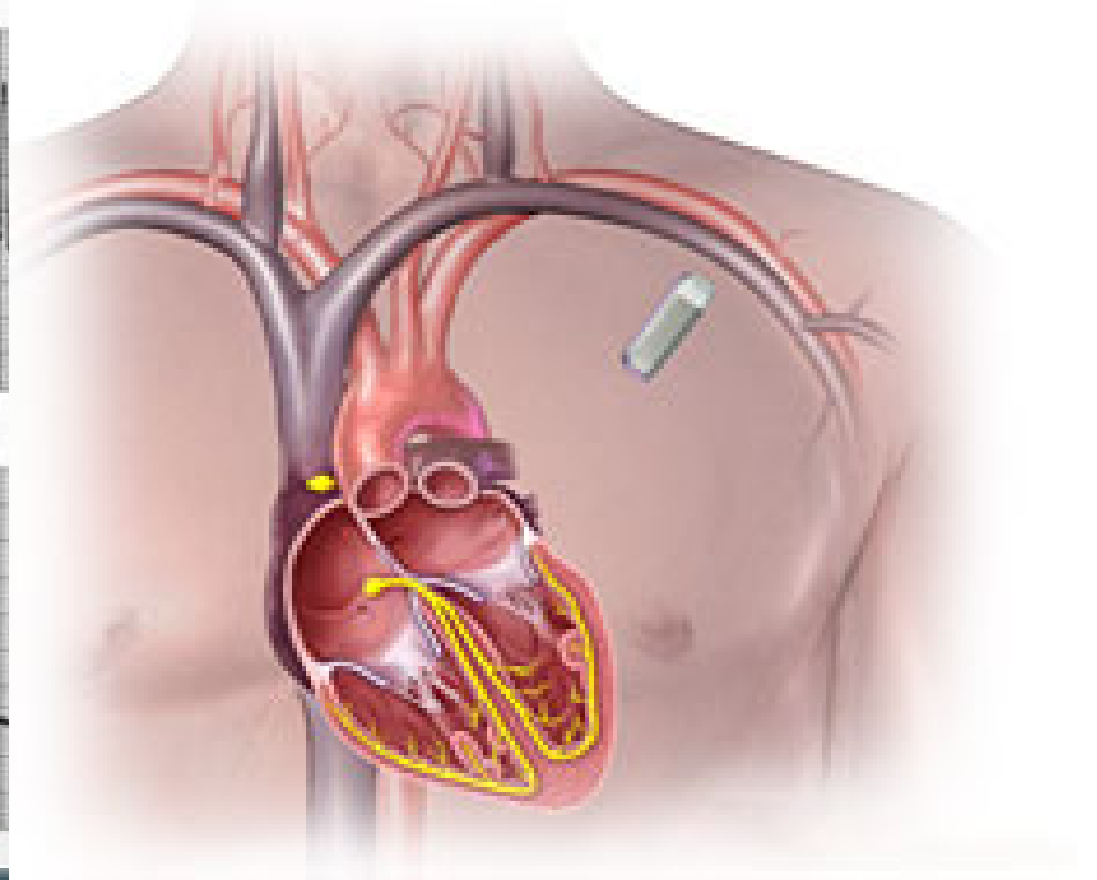
TO PROVIDE A
BALANCED AND INTERDISCIPLINARY
APPROACH
TO A PERSONALISED PFO MANAGEMENT
IN COMPLEX SYNDROMES

9 SCIENTIFIC SOCIETIES

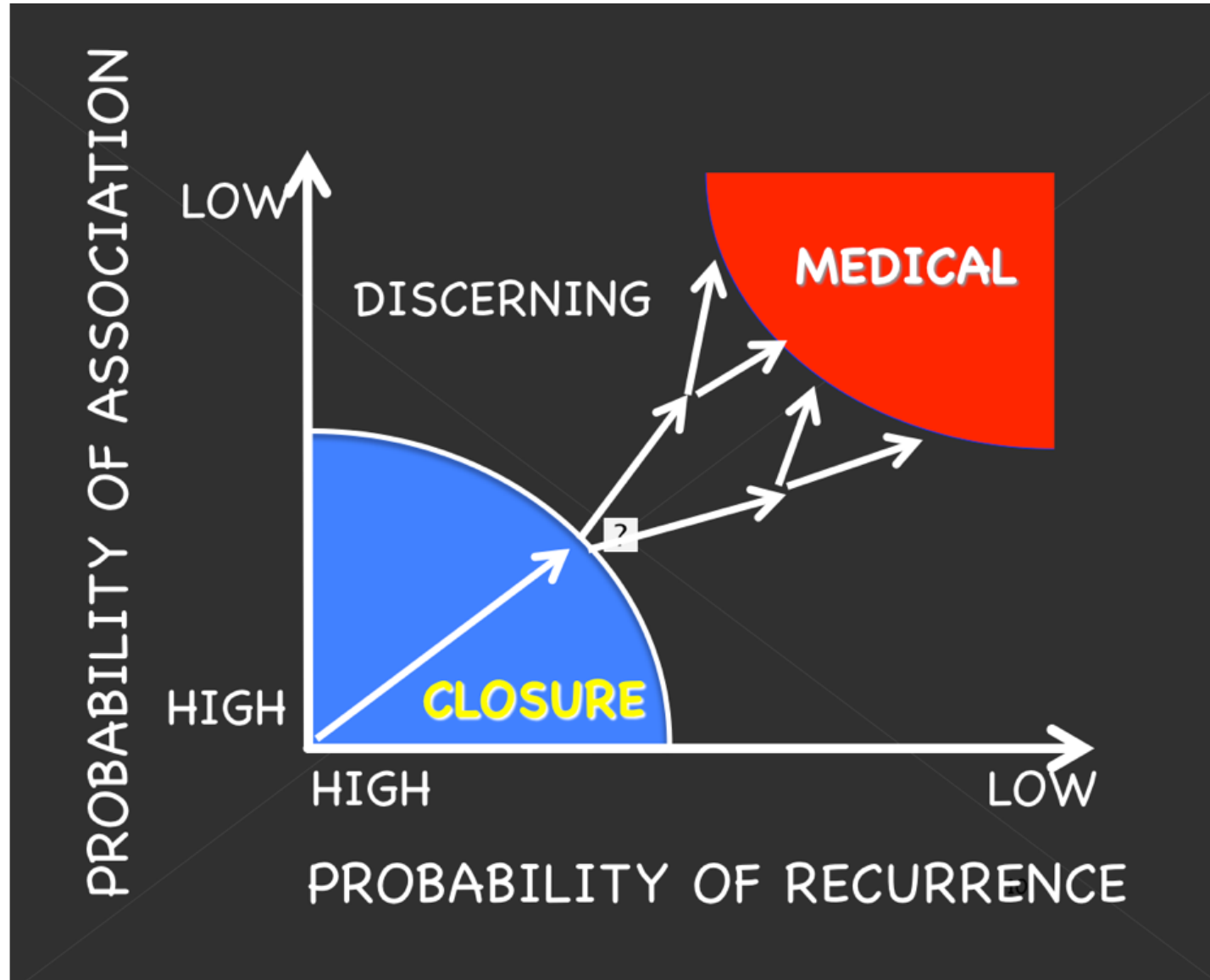
- **EAPCI (PROMOTER AND CHAIR)**
- ASSOCIATION FOR EUROPEAN PEDIATRIC AND CONGENITAL CARDIOLOGY
- EUROPEAN ASSOCIATION FOR CARDIOVASCULAR IMAGING – EACVI
- EUROPEAN HAEMATOLOGICAL SOCIETY
- EUROPEAN HEART RHYTHM ASSOCIATION – EHRA
- EUROPEAN SOCIETY OF CARDIOLOGY:
 - WG GUCH
 - WH THROMBOSIS
- EUROPEAN STROKE ORGANISATION - ESO
- EUROPEAN UNDERWATER AND BAROMEDICAL SOCIETY

- « EXTERNAL CONTRIBUTION »: EUROPEAN ASSOCIATION OF NEUROSURGICAL SOCIETIES

RULE-OUT FA



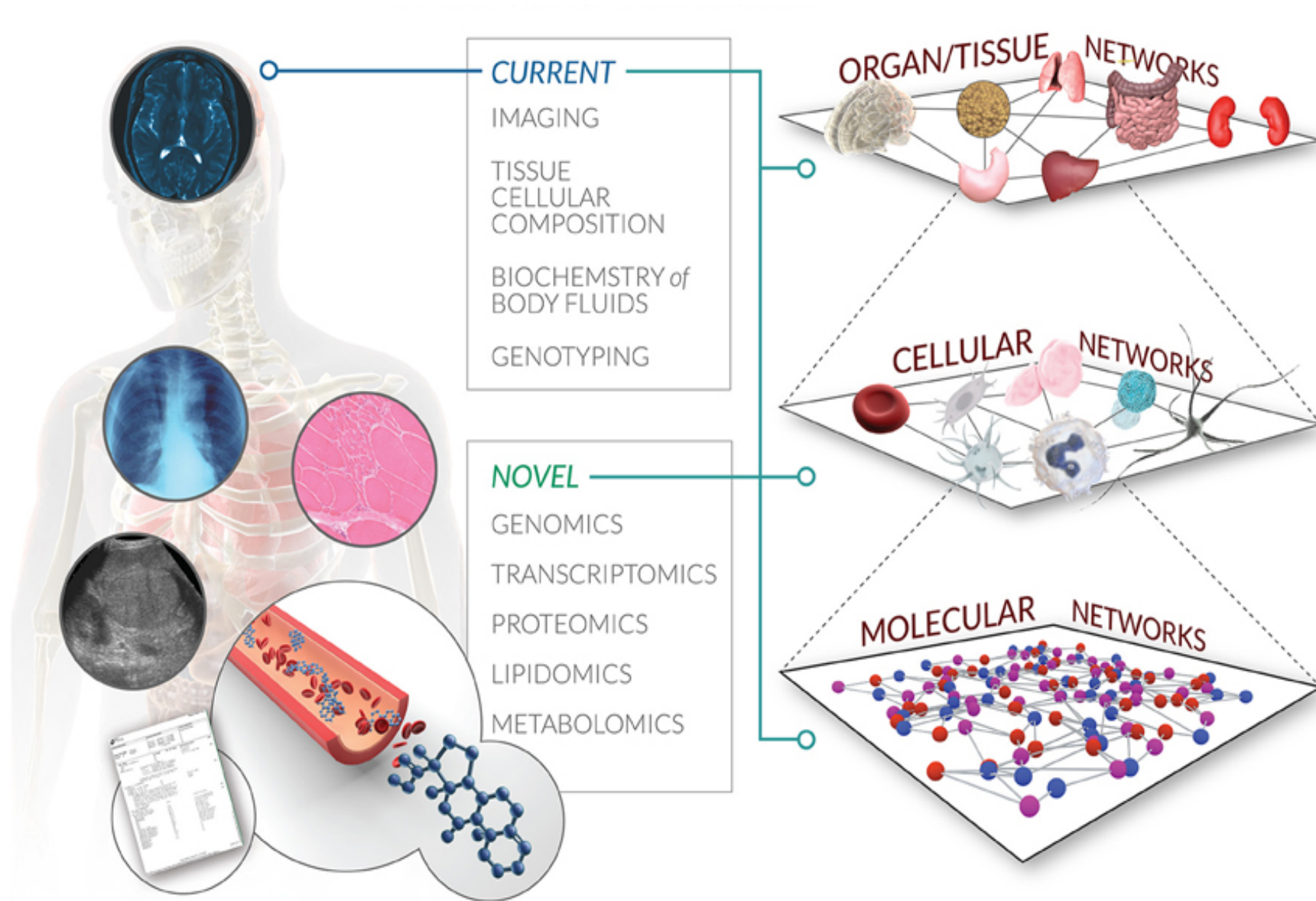
MODIFIED STACEY DIAGRAM



EMPOWERMENT & SHARED DECISIONS

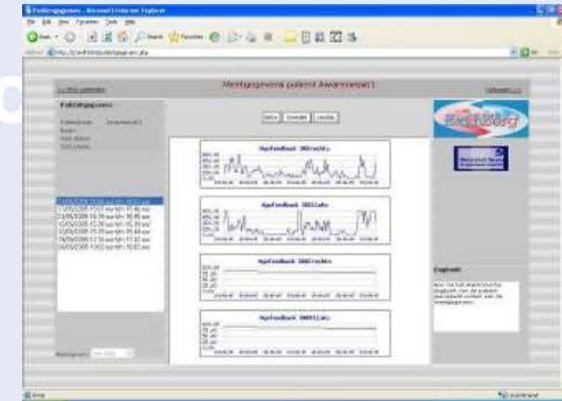


OPEN INFORMED CONSENT

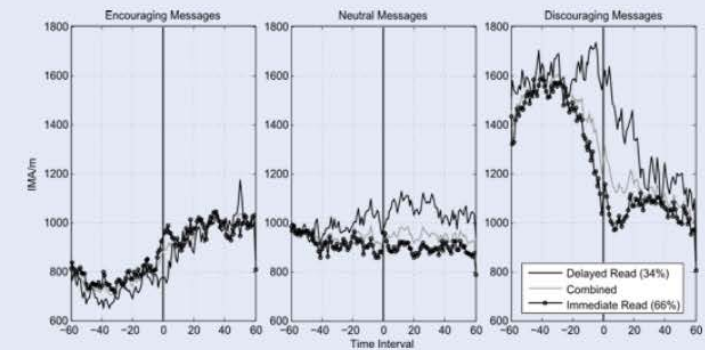


Creating artificial coaches Coaches

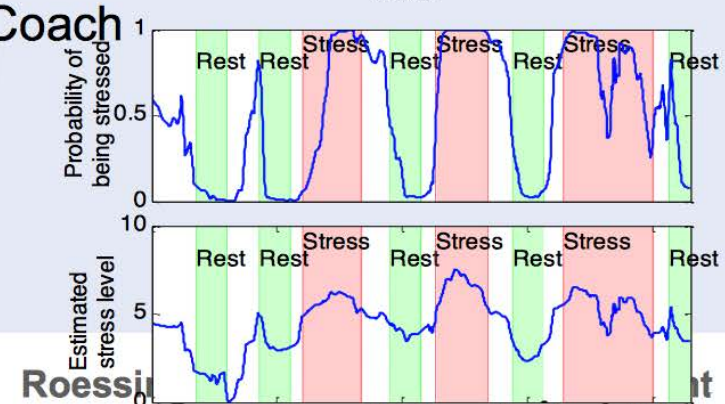
Neck/shoulder pain Coach

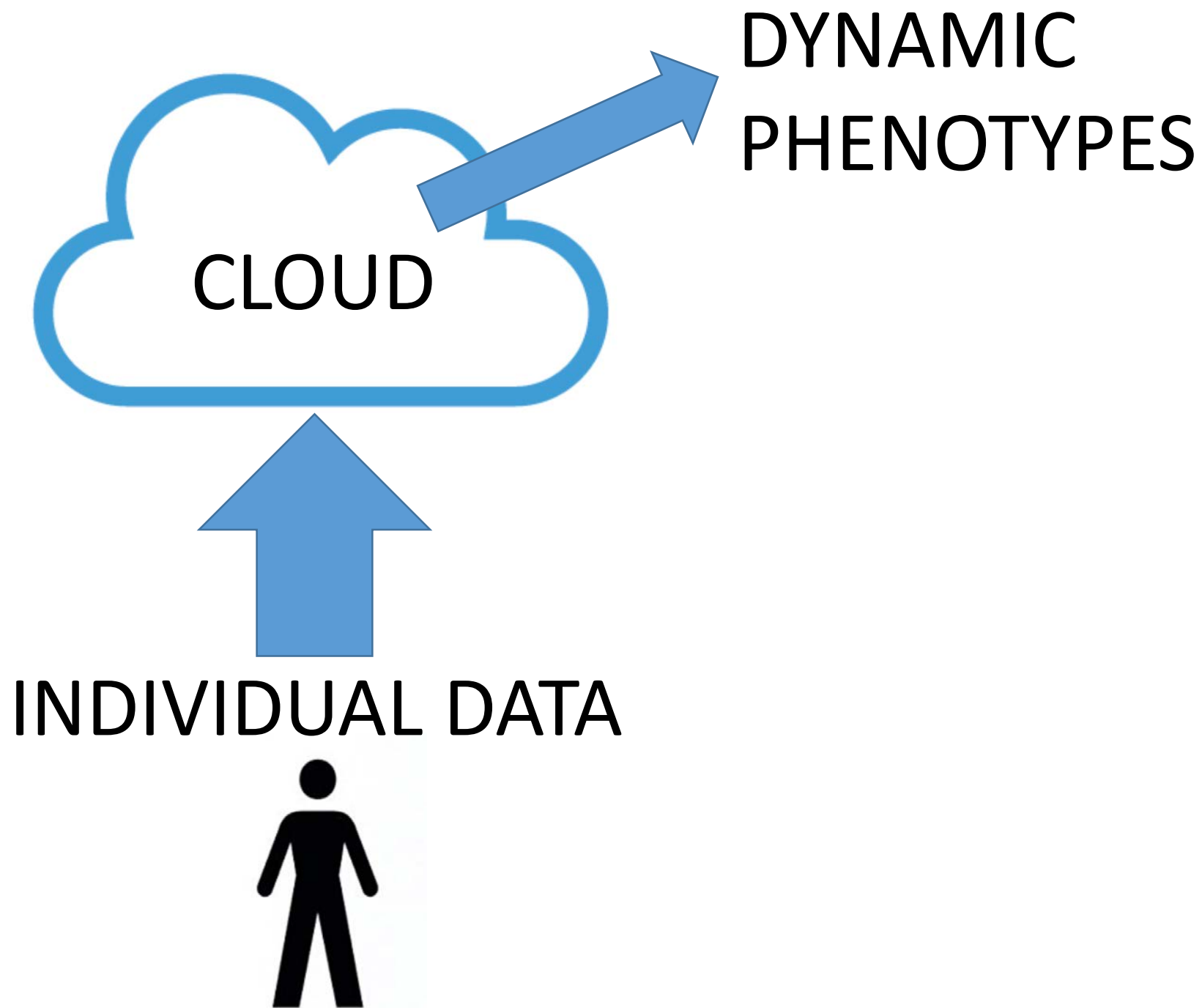


Physical activity Coach

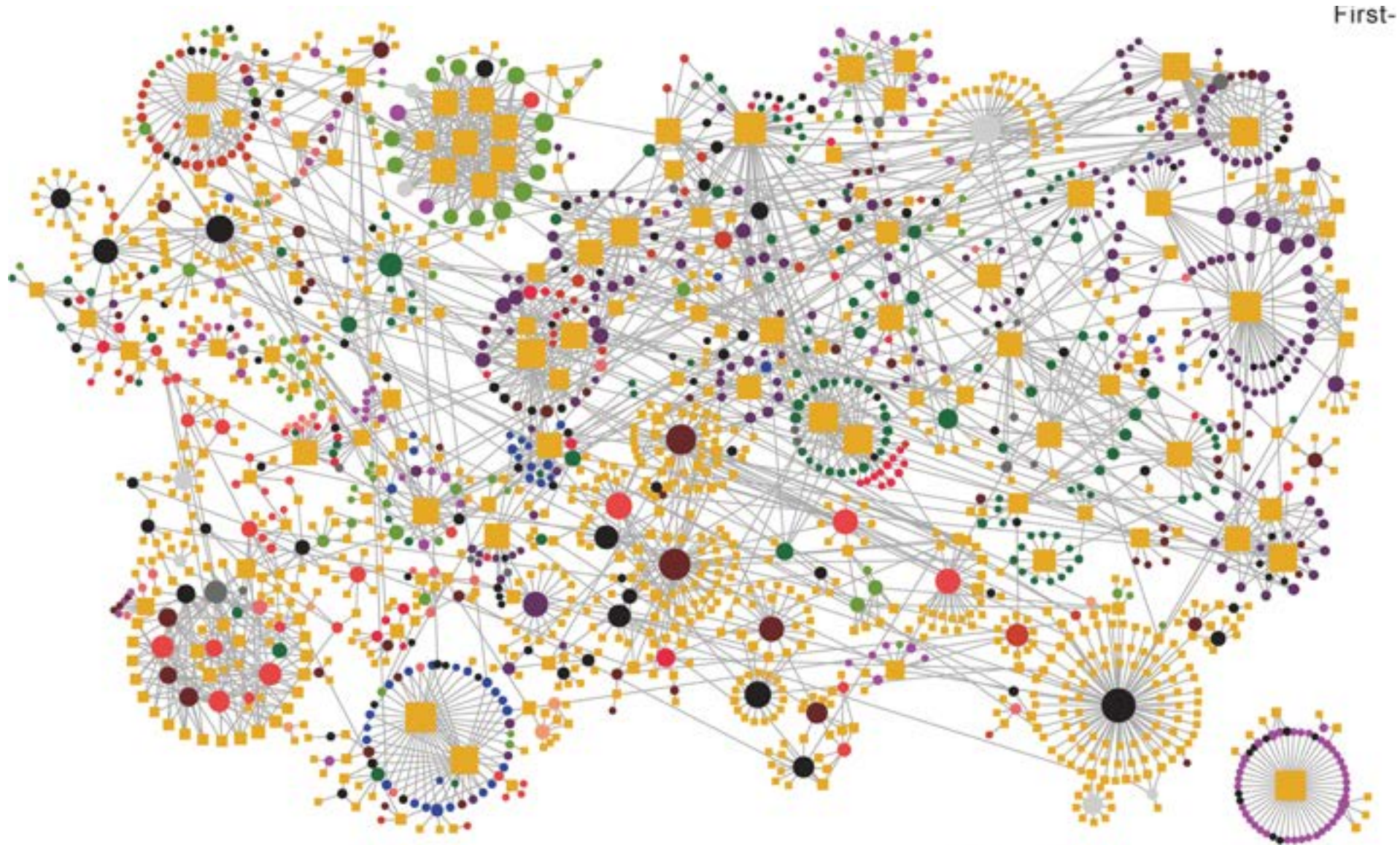


Stress management Coach





PERSONALIZED APPROACHES



Molecular biology

Sequencing technologies

Medical technologies

CLINICAL
PROCEDURES

Big data

Processing capacity

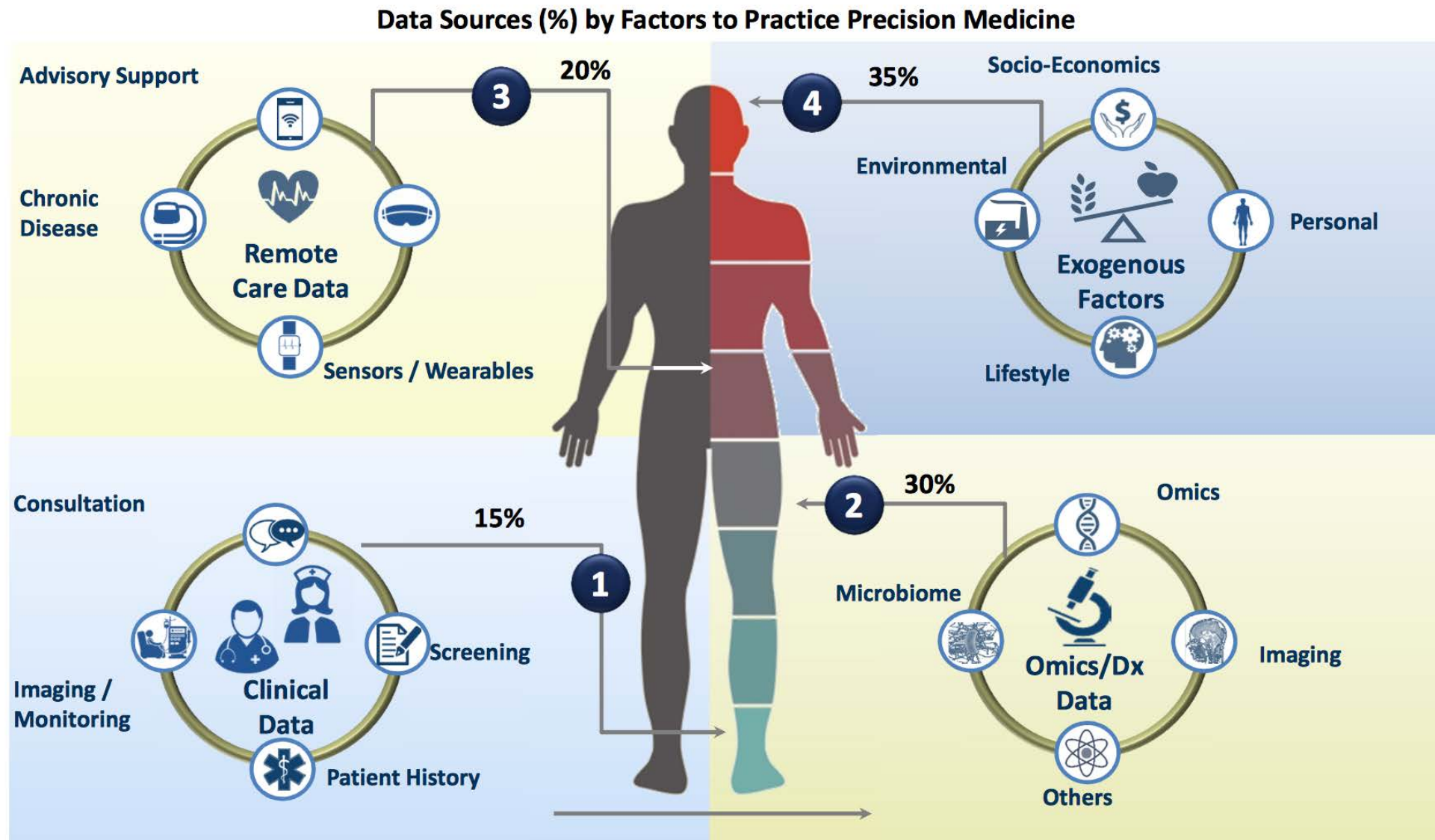
Connectivity technologies

INFORMATION
TECHNOLOGY

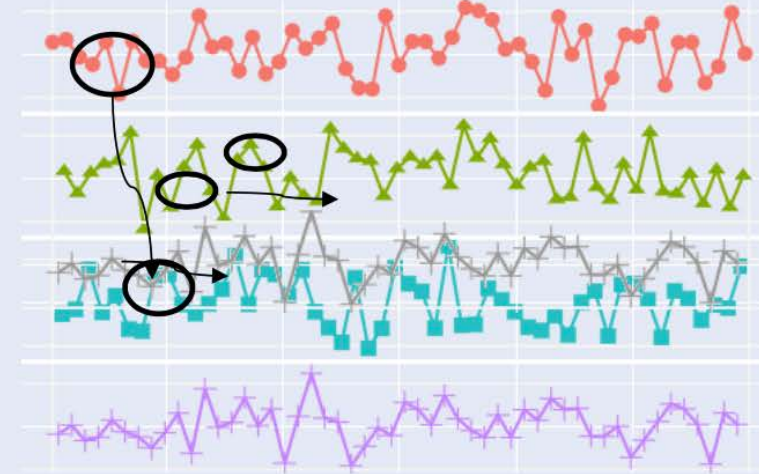
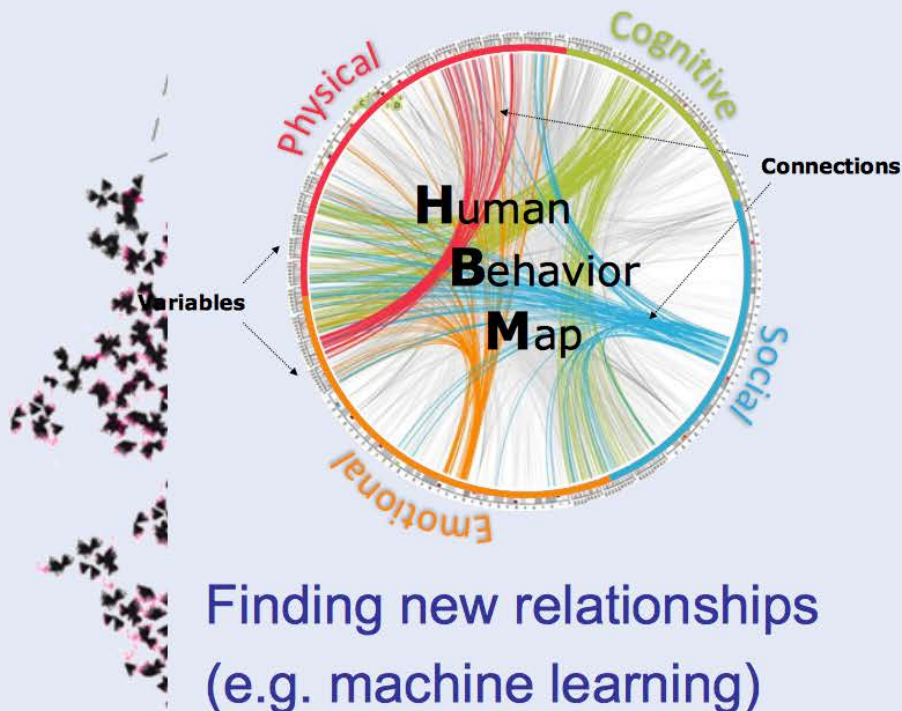
Structured, stratified
and relevant approaches
for **P4** health care:

Predictive
Preventive
Personalized
Participatory

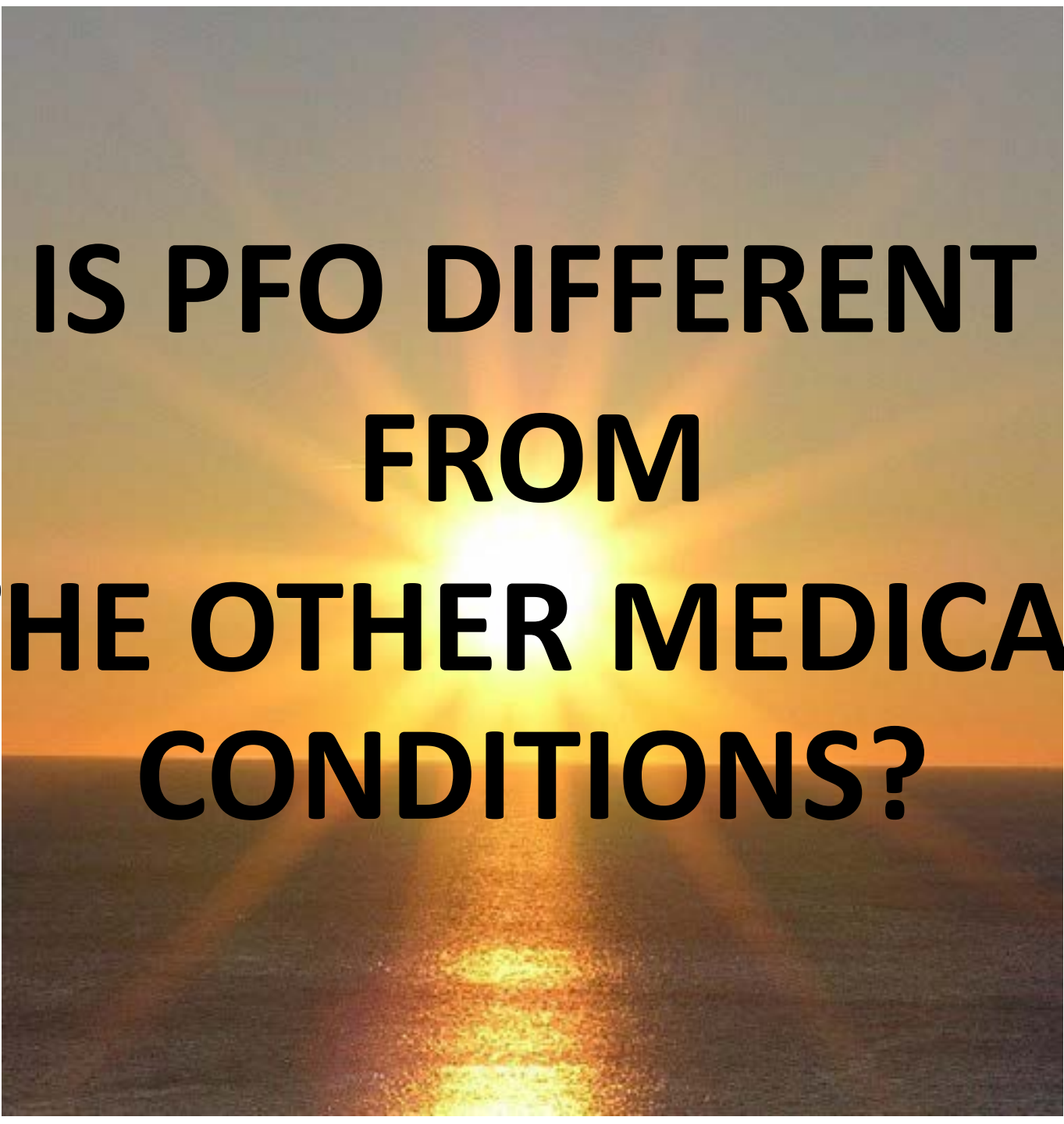
How will Precision Medicine be Implemented?



Data driven modeling and mining



- To generate new knowledge on behaviour <> health
- To create personally tuned models
- To detect linked changes in time for multi targeted coaching



**IS PFO DIFFERENT
FROM
THE OTHER MEDICAL
CONDITIONS?**



ASSIMSS



ITALIAN ASSOCIATION FOR SYSTEMS MEDICINE AND HEALTHCARE