

wildly optimistic

My Predictions for EP in the Care of Pediatrics and Cardiovascular Disease in the Next Decade

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FAAP, FHRS, FAHA, FACC, CEP-S



No Disclosures



the Pediatric & Congenital
Electrophysiology Society



Dunning-Kruger Effect



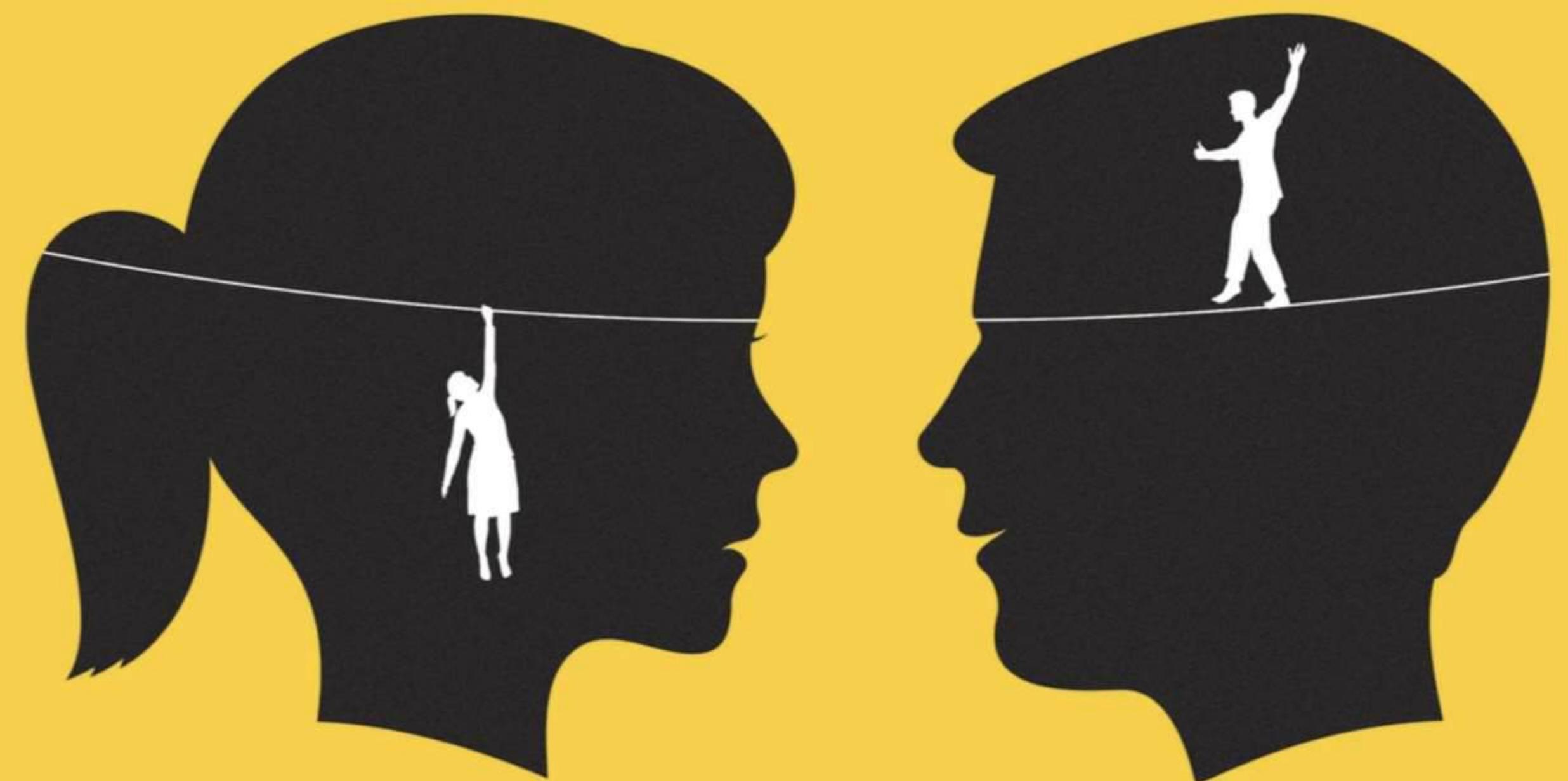


*“The fool doth think he is wise, but
the wise man knows himself to be a
fool.”*

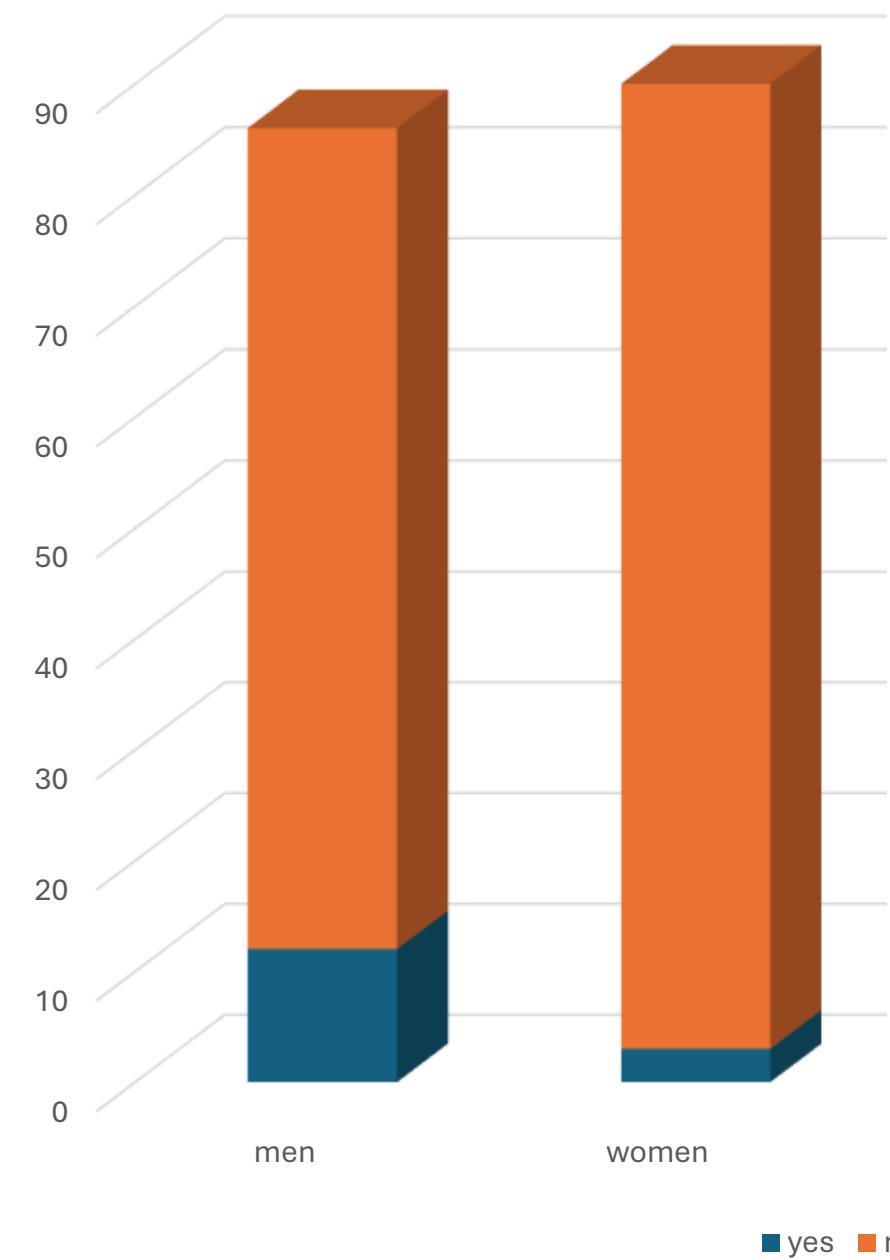
William Shakespeare

As You Like it

1599



The Confidence Gap





VIVIAN SMITH SMYTHE SMITH.
HE'S IN THE GRENADIER GUARDS.
AND HE CAN COUNT UP TO FOUR.



SIMON ZINC TRUMPET HARRIS.
HE'S AN OLD ITALIAN AND MARRIED
TO A VERY ATTRACTIVE TABLE LAMP.



HE'S THOUGHT BY MANY TO BE
THIS YEAR'S OUTSTANDING TWIT.



NIGEL INCUBATOR JONES.
HIS BEST FRIEND IS A TREE...
AND IN HIS SPARE TIME HE'S A STOCKBROKER.

Career stage

Medical graduate

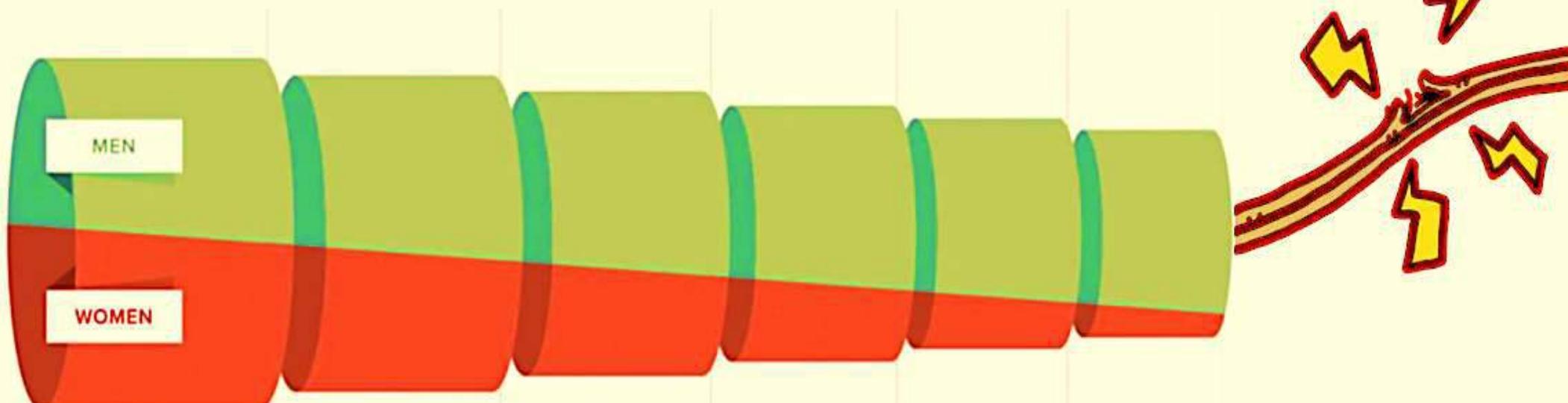
Internal medicine

Cardiology
fellowship

Cardiologist

IC

EP



Women

52%

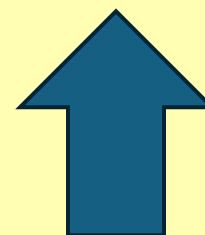
45%

16-25%

14%

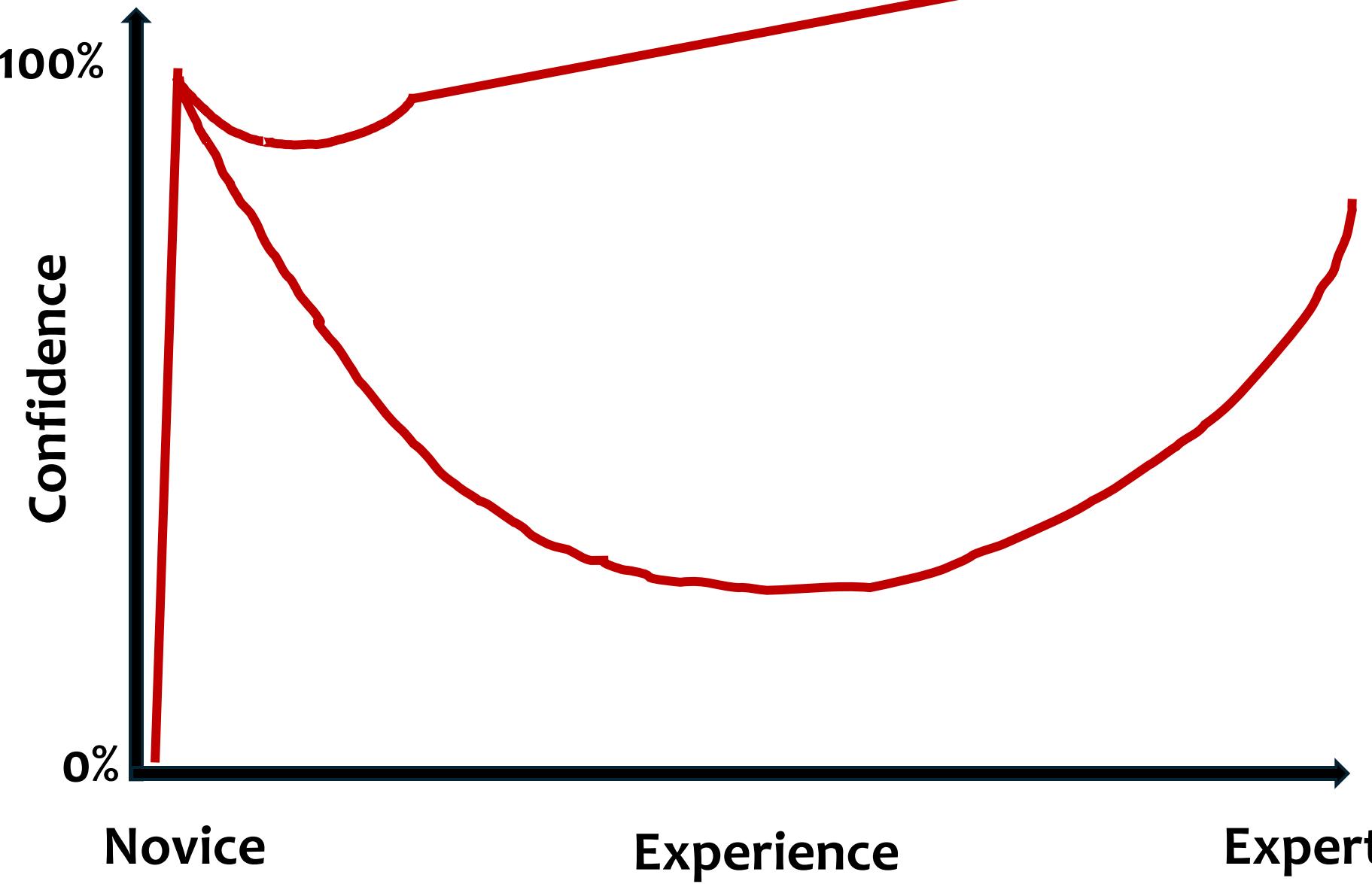
7%

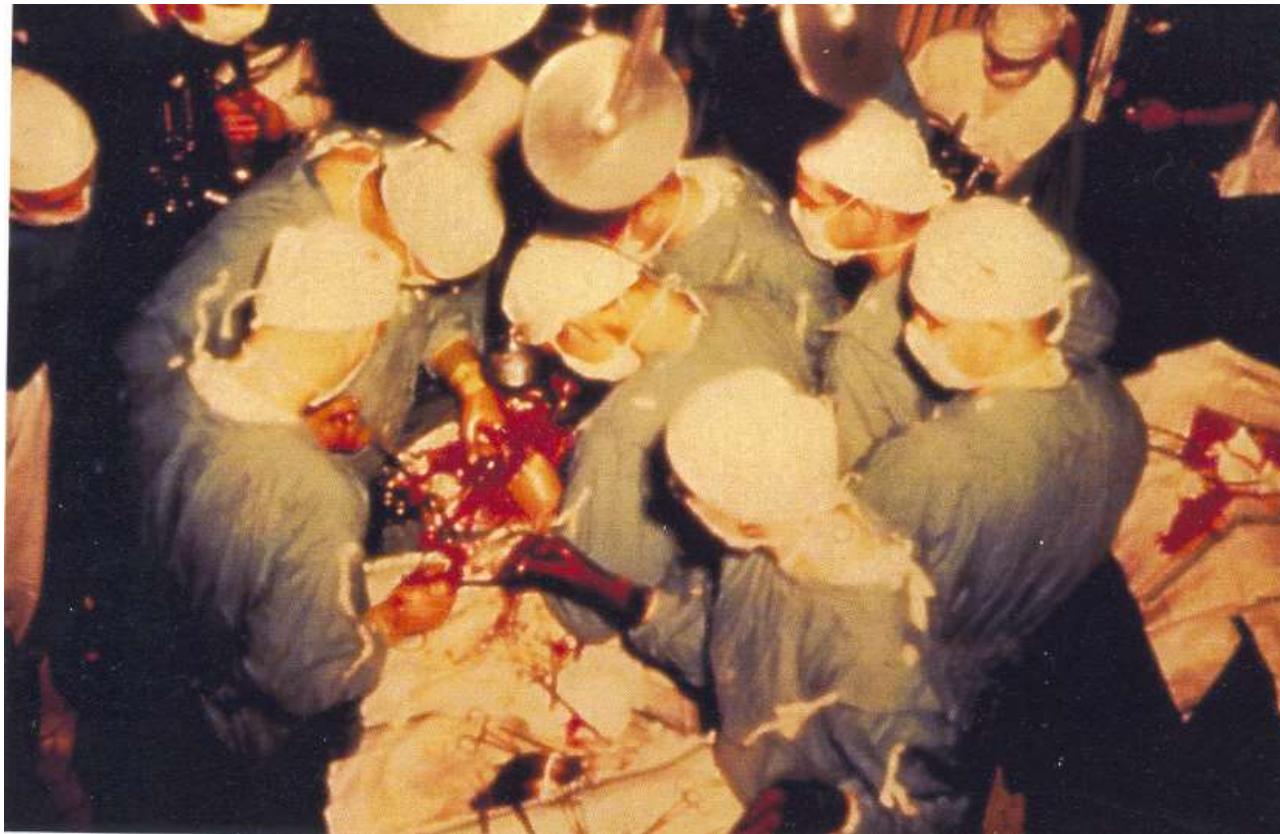
6%



Louise Segan, MBBS, FRACP, MPH^{1,2}, and Kamala P. Tamirisa, MD, FACC, FHR³

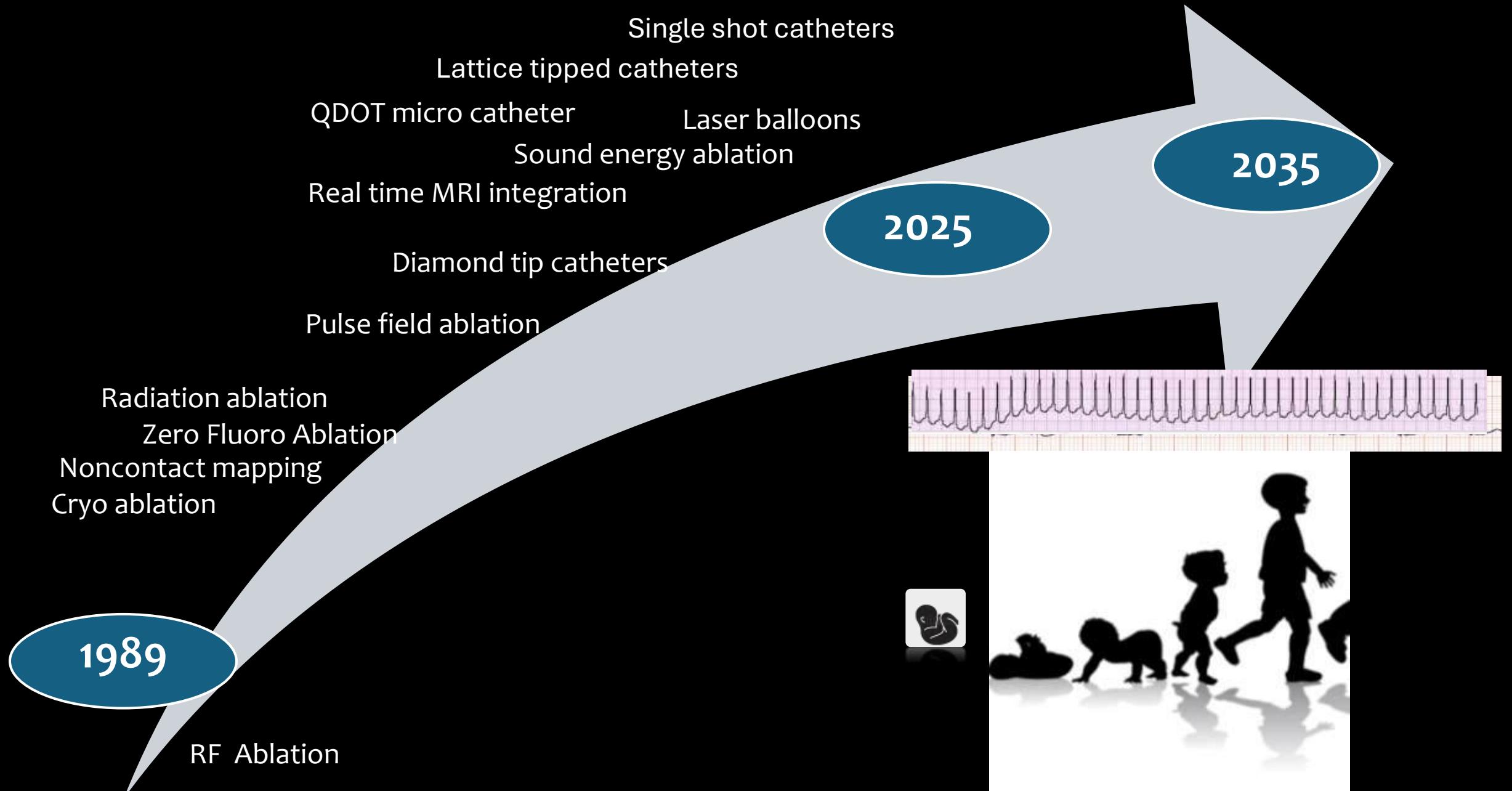
Dunning-Kruger Effect and Catheter Ablation

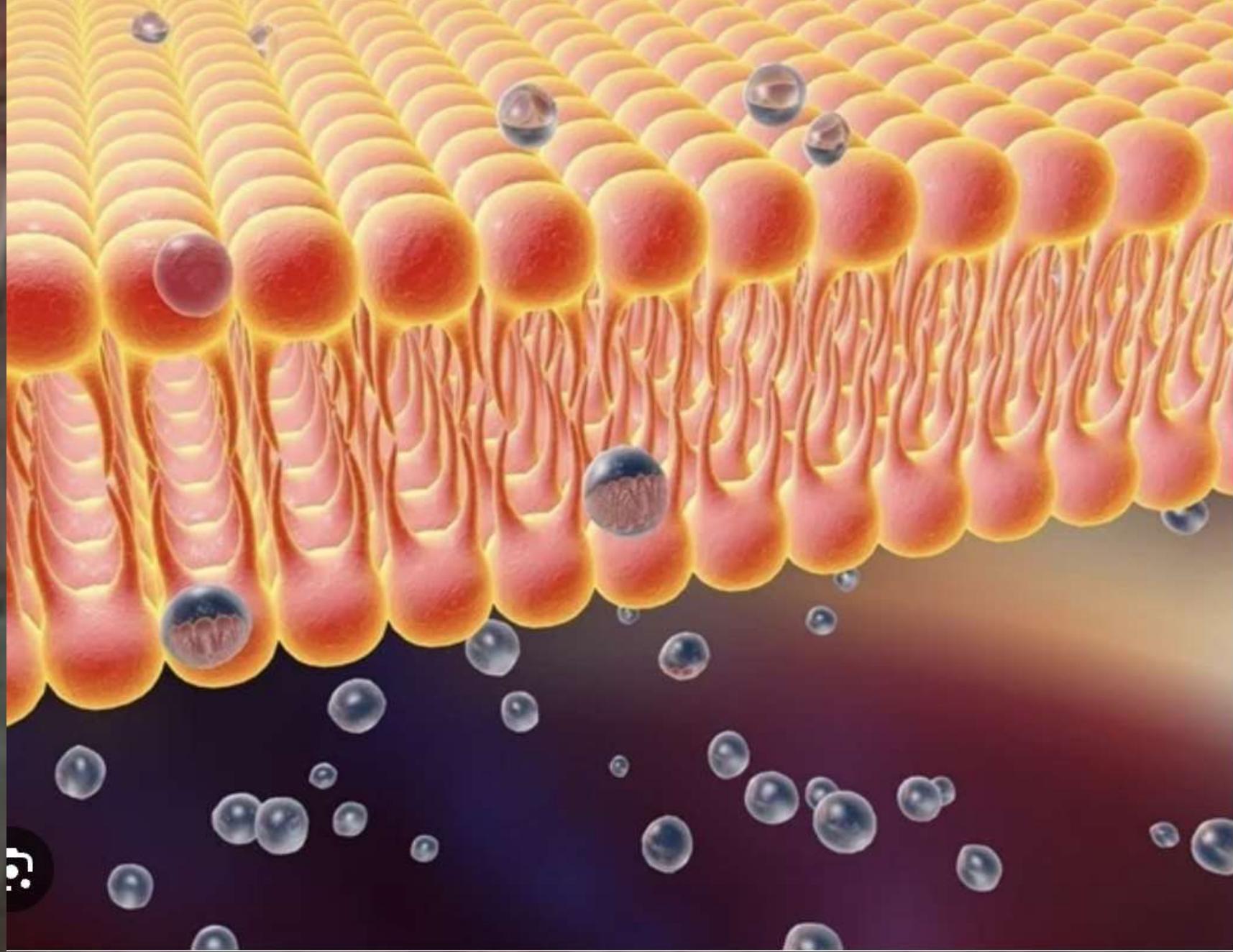






2013 - 2019 catheter-based EP procedures increased by 109%





of

TISSUE

Core

60 %

40 %

Healthy

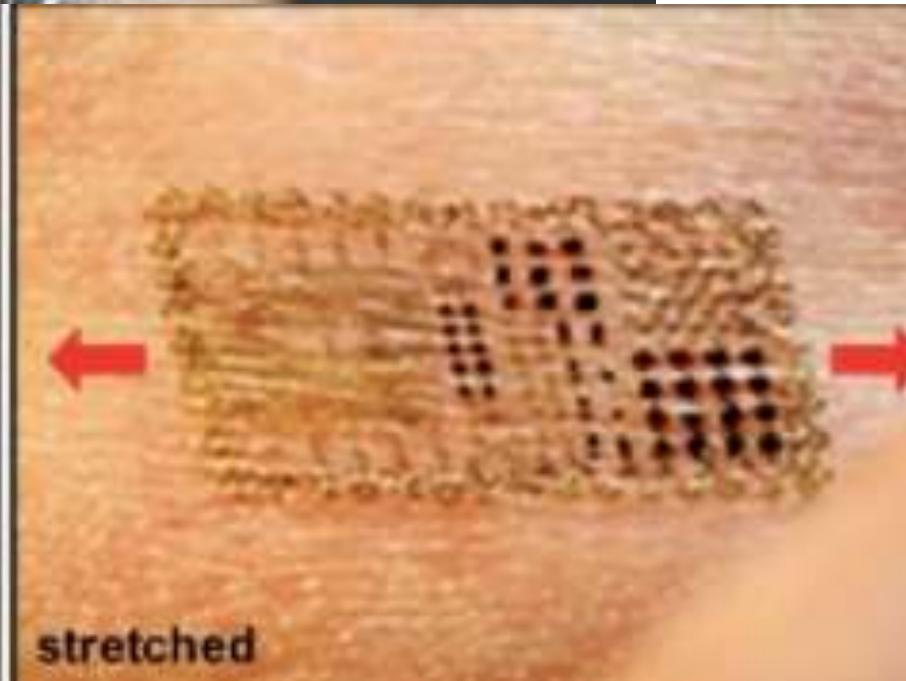
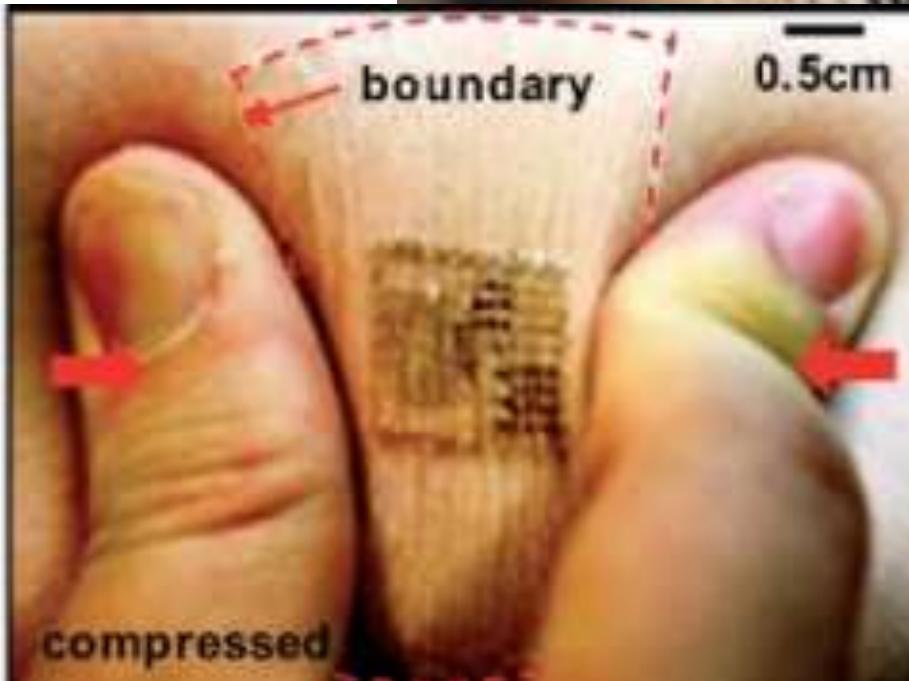
DOI:

f X in e

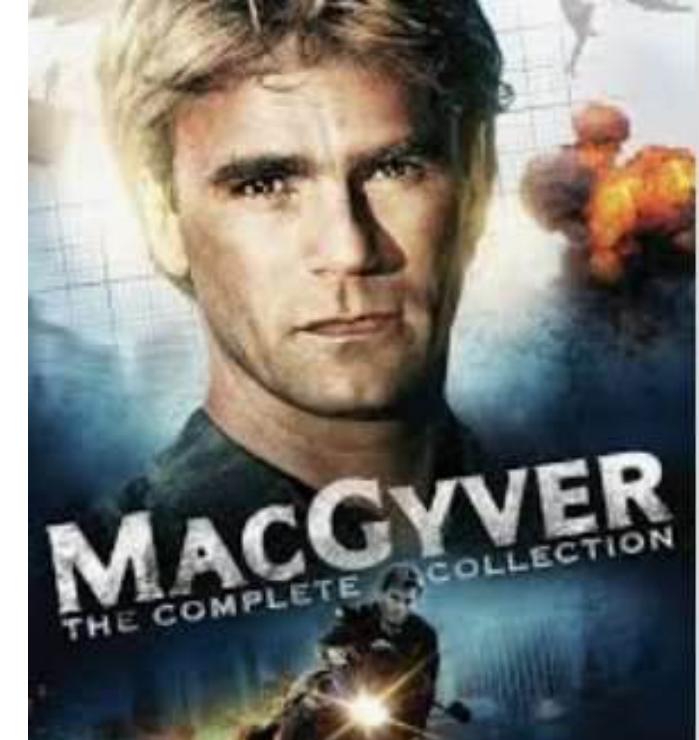
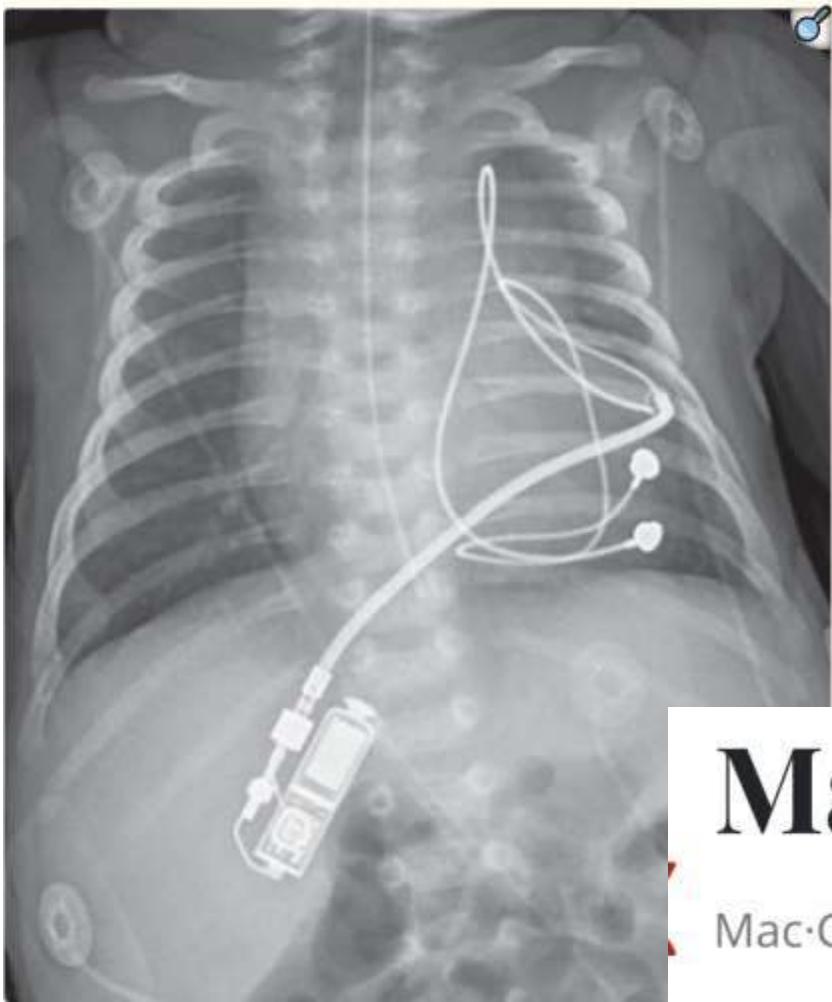
1 for Ablation of

ishani, Ph.D., Sasa Mutic, Ph.D., Adam Lang, M.D.,
G. Robinson, M.D. Author Info & Affiliations

DOI: 10.1056/NEJMoa1613773







MacGyver verb

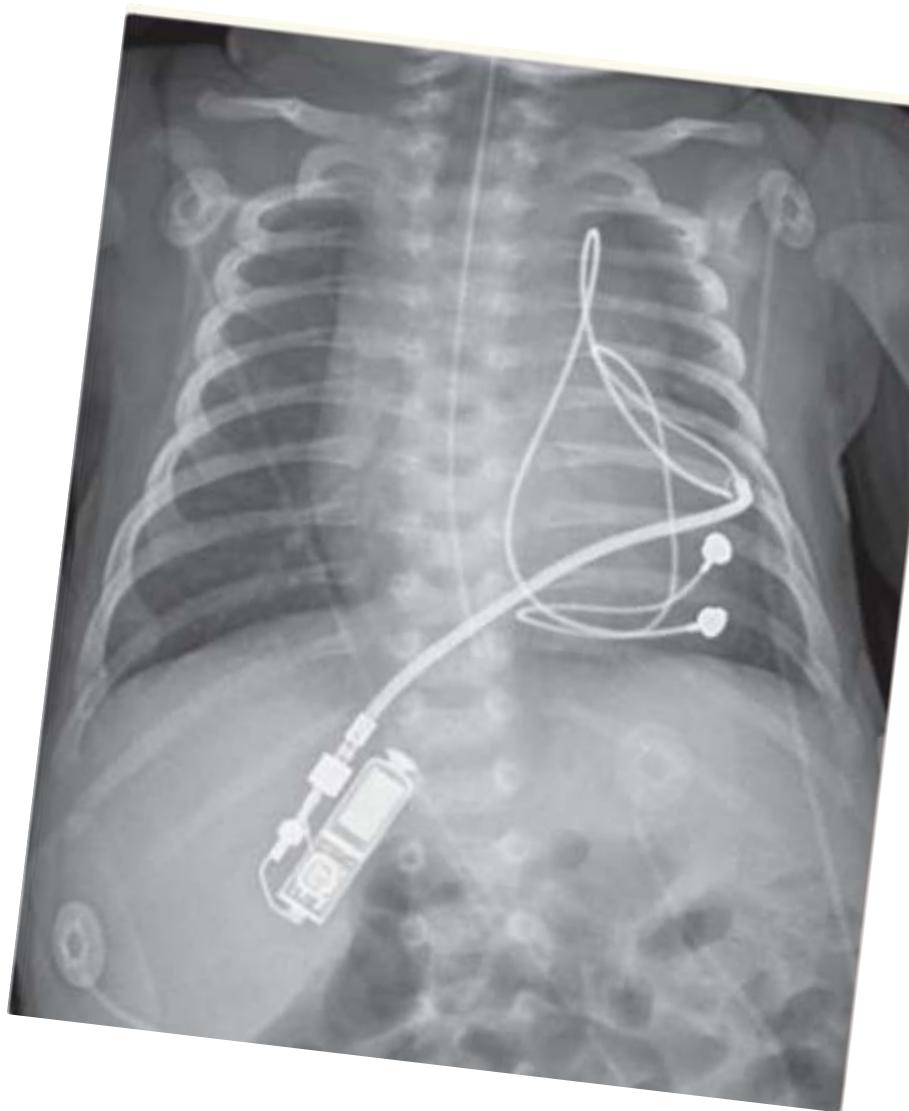
Mac·Gy·ver mə-'gī-vər

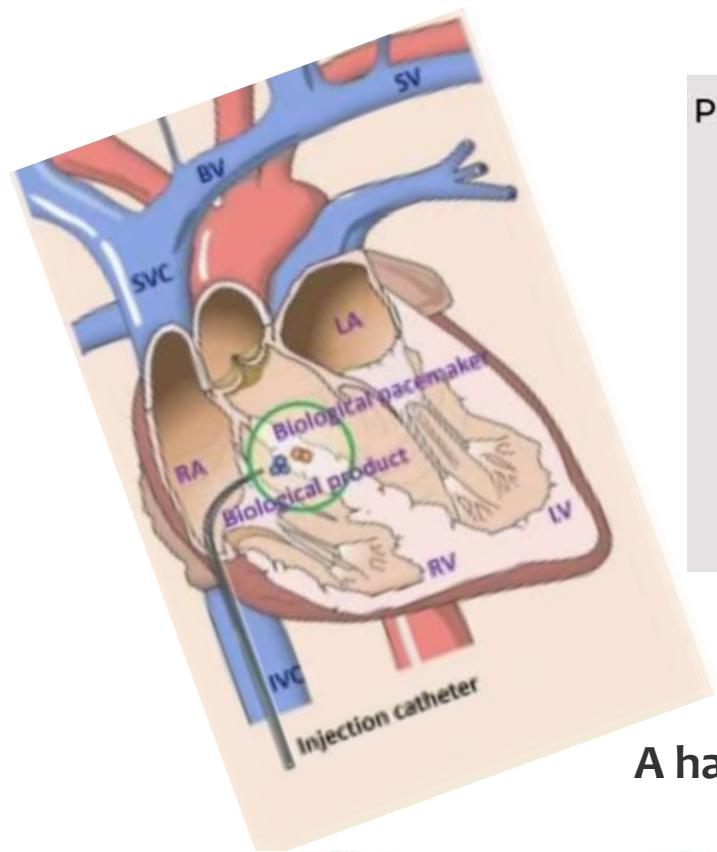
MacGyvered; MacGyvering; MacGyvers

transitive verb

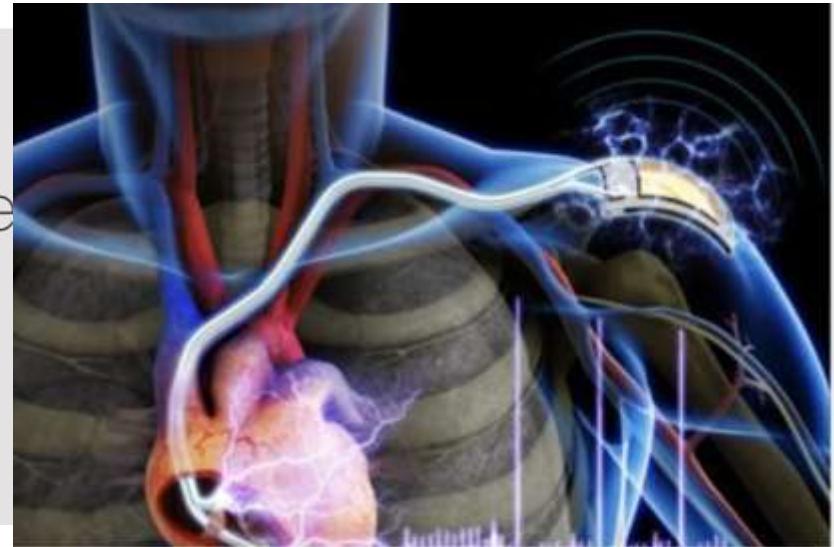
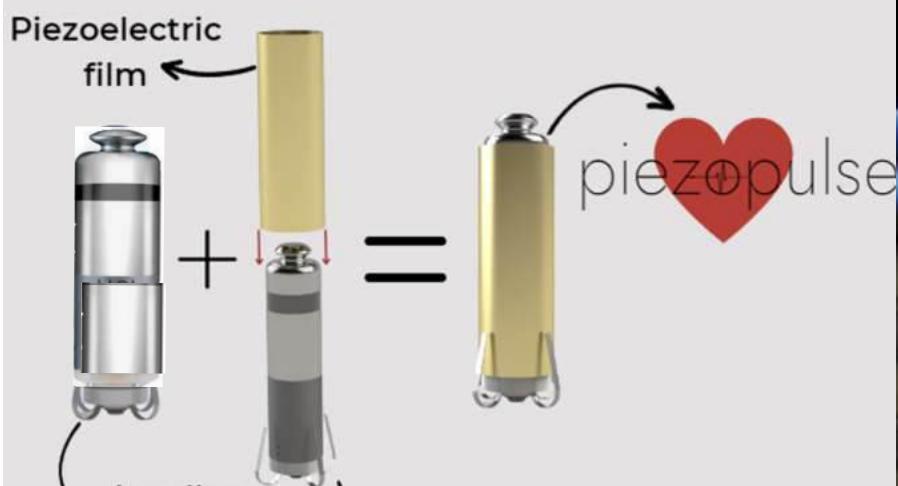
slang

: to make, form, or repair (something) with what is conveniently on hand

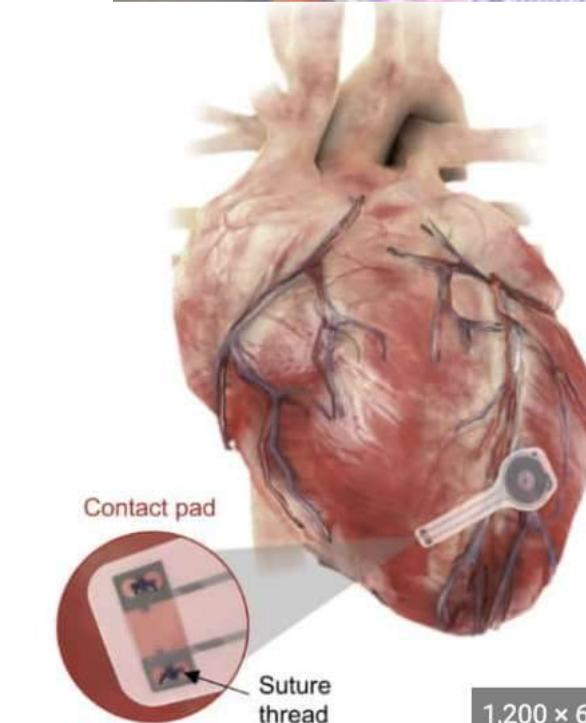
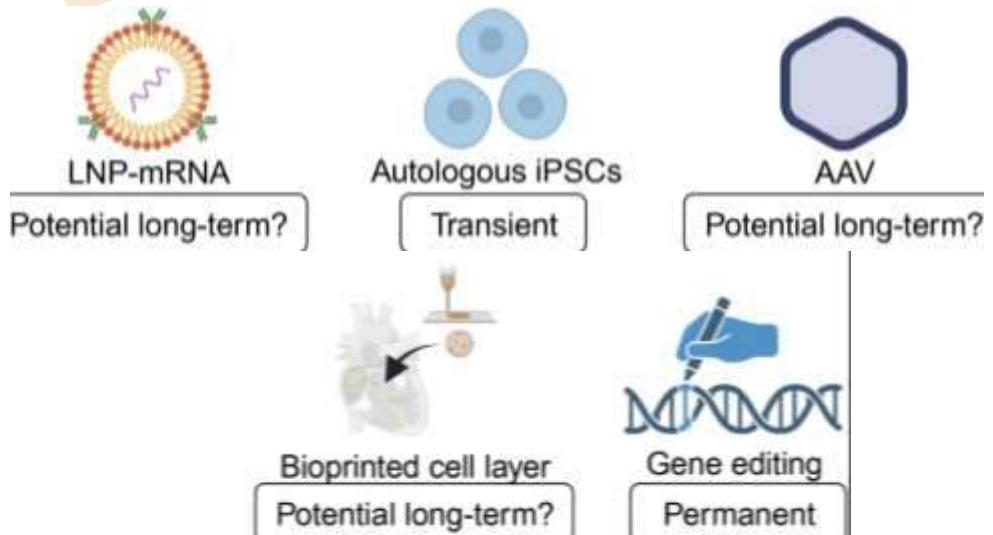




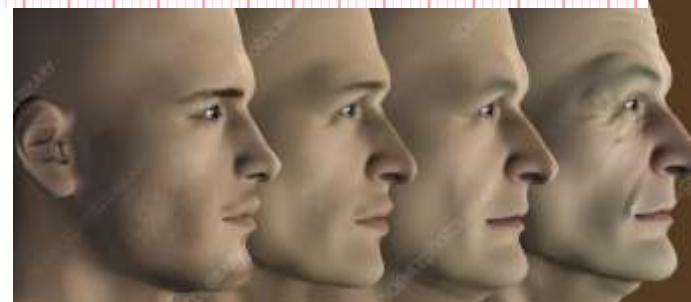
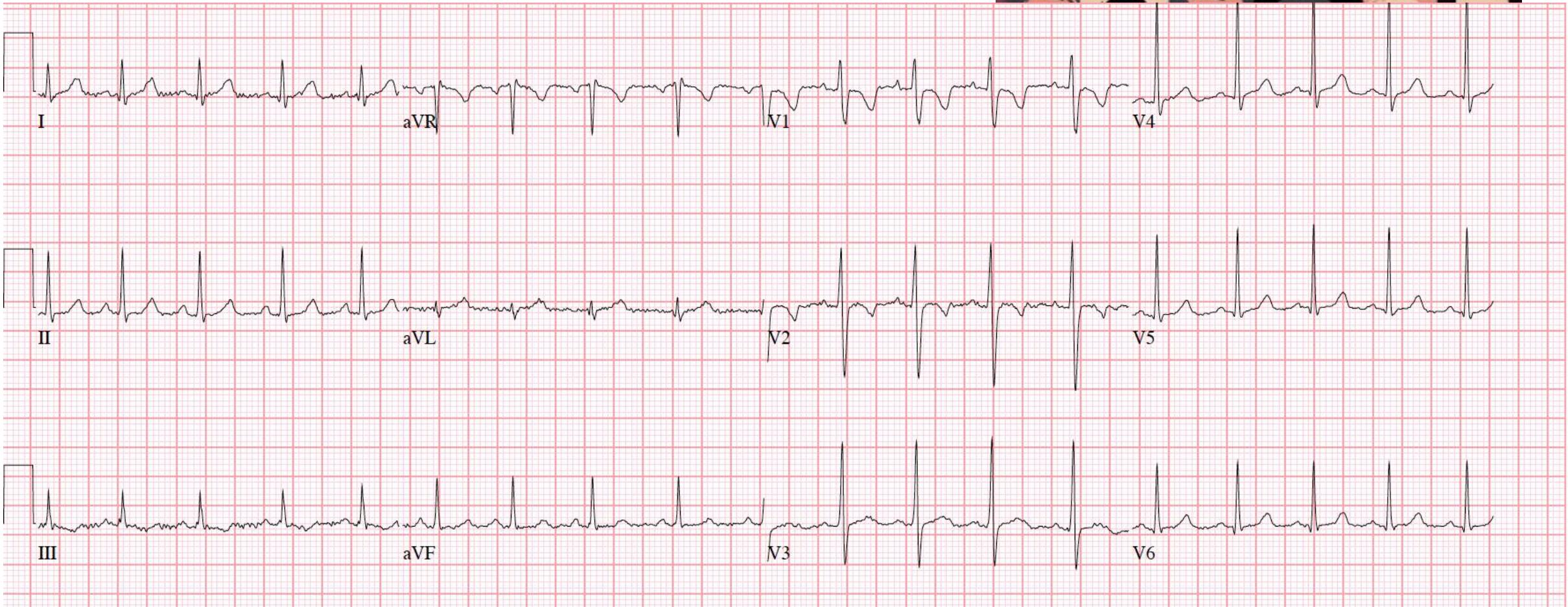
An energy harnessing device

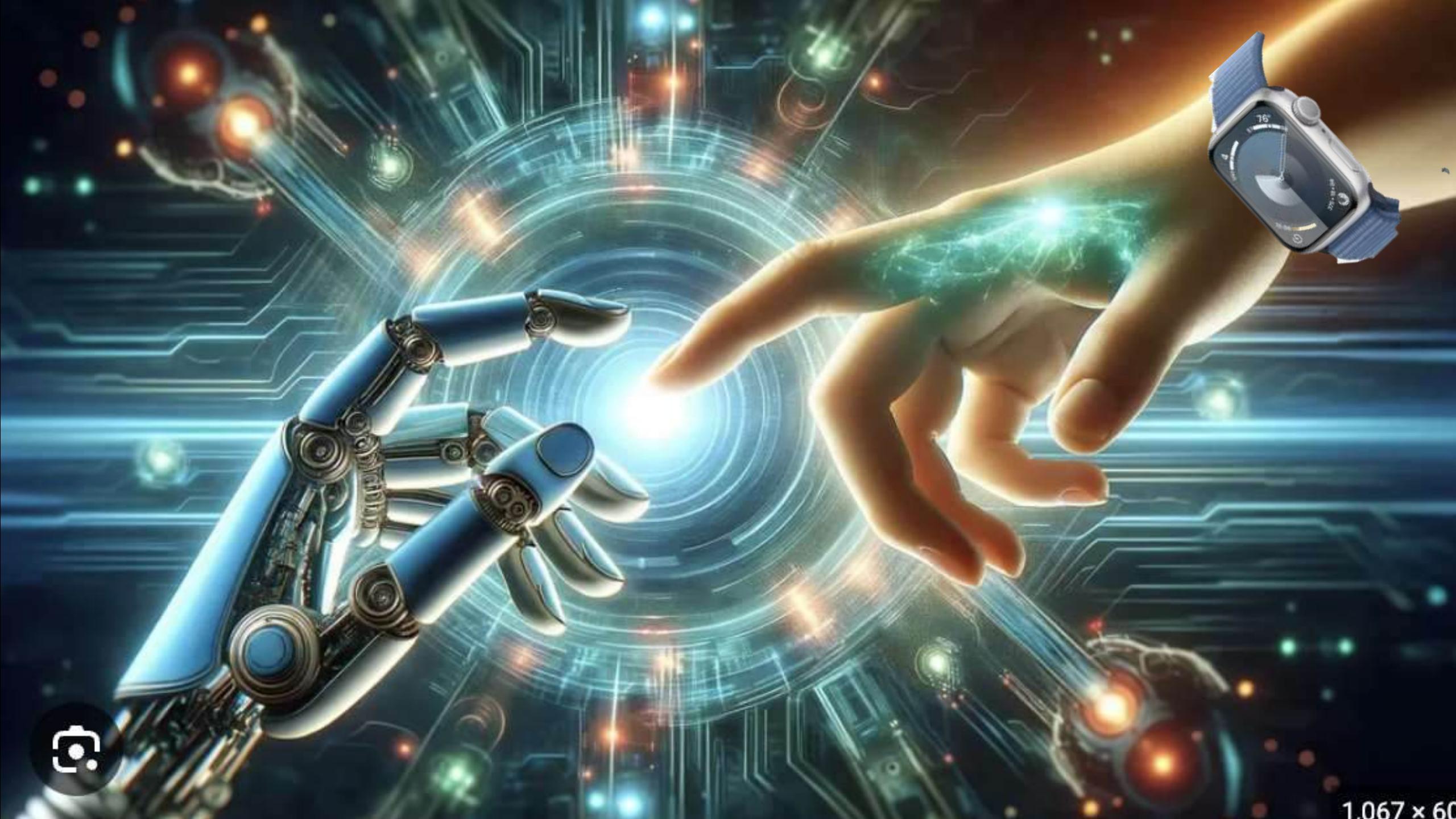


A hardware-free alternative



A transient temporary pacemaker





1.067 x 600



Hebrew Bible, Kings I



*Elijah revives the
son of the widow
Rutilio 1639*

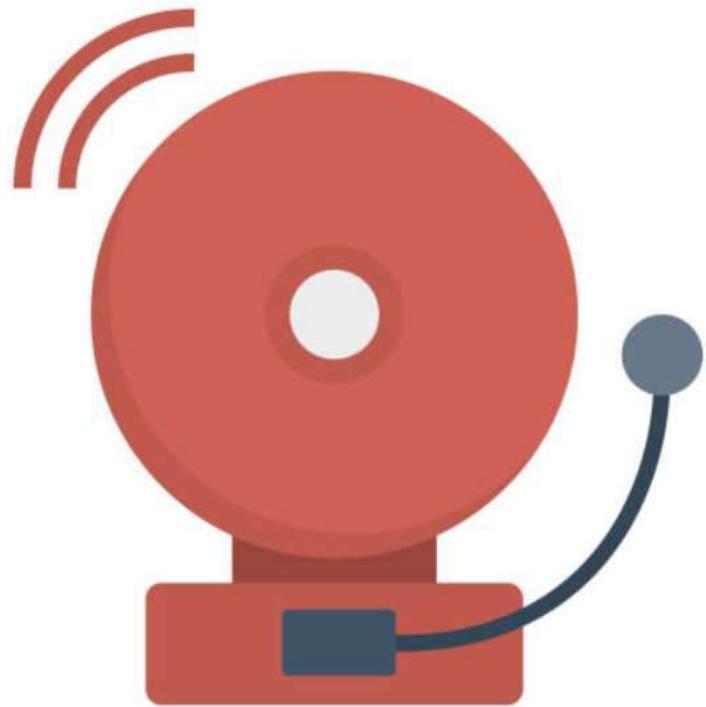


2035



9th century BC

9 AM



9 AM



9:01 AM



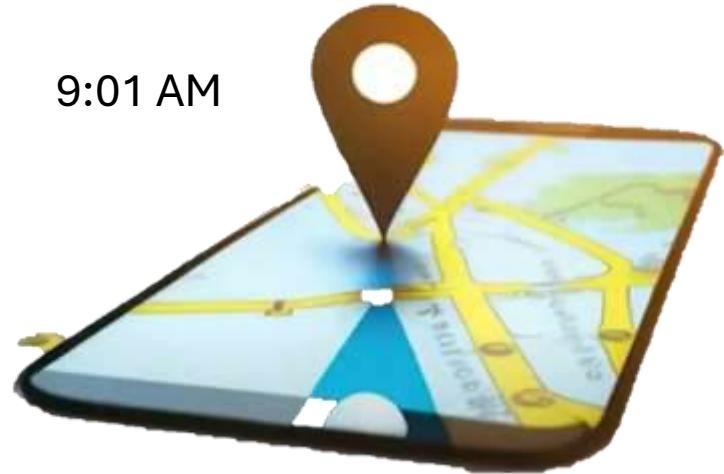
9:01 AM



Biden Signs HEARTS Act to Boost CPR, AED Training in Schools



9:01 AM



9:03 AM



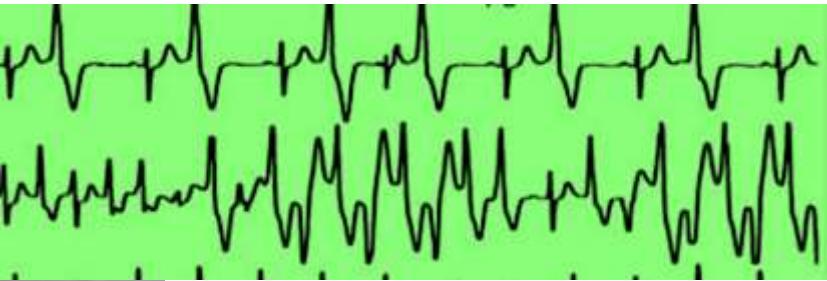
9:10 AM



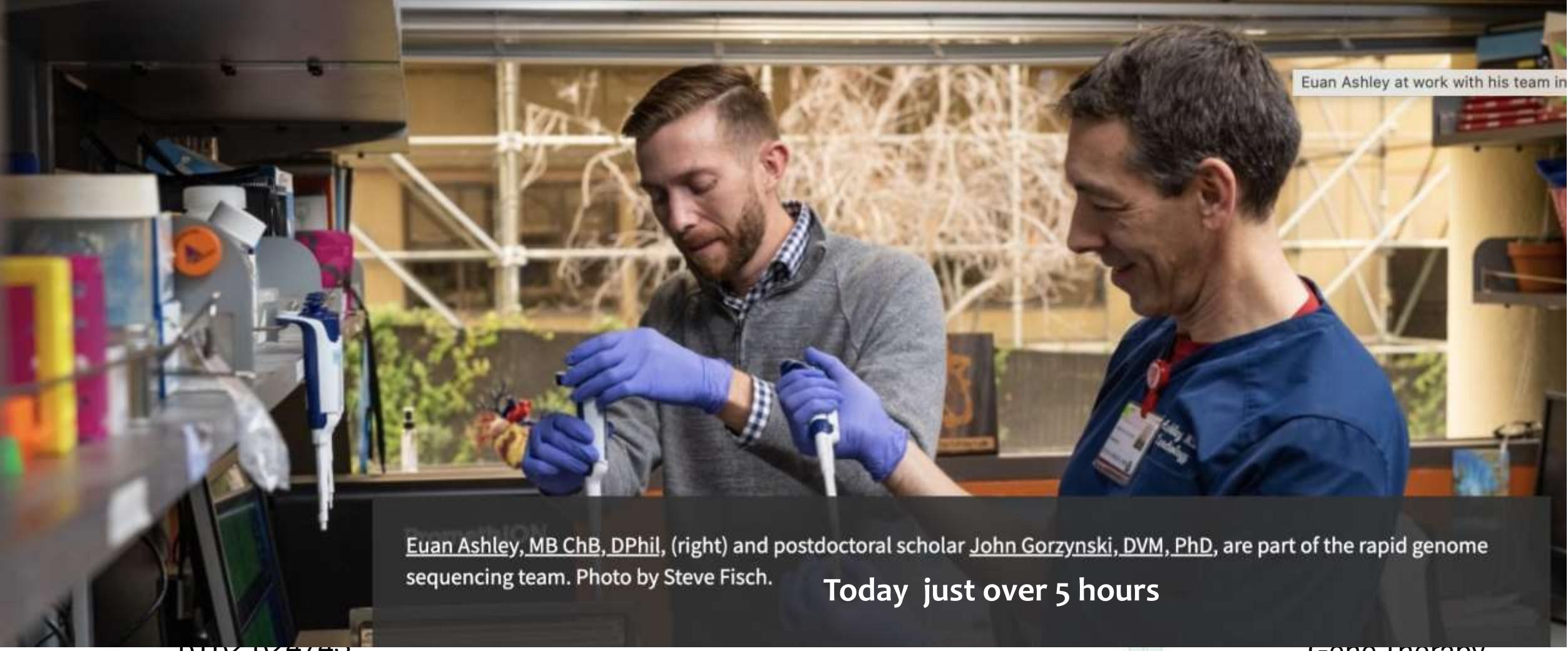
9:05 AM



9:21 AM



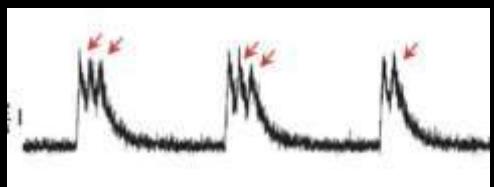
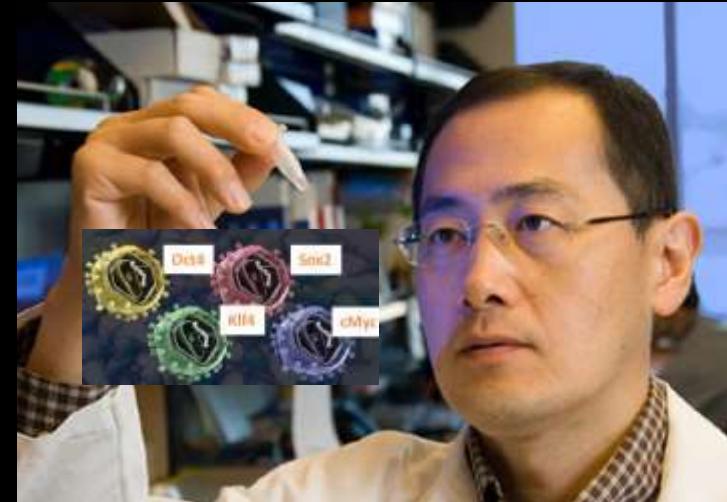
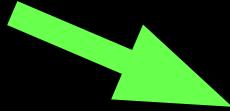
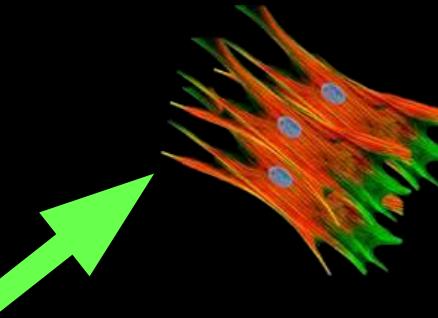
< 5 minutes



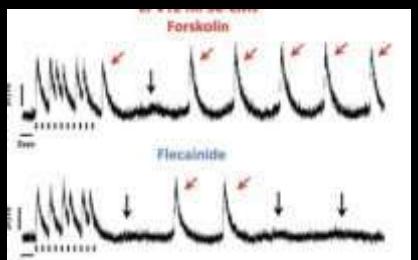
Today just over 5 hours

RIN2 R24745

Gene Therapy



Disease modeling



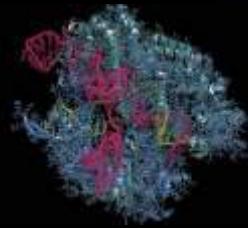
Drug testing

Patient-specific single dose cure



iPSSs

Gene Therapies

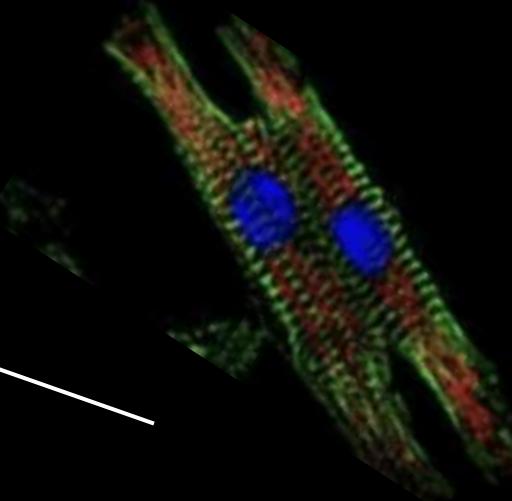
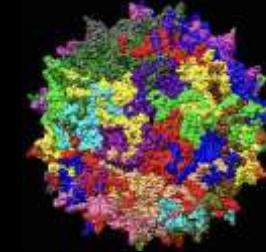
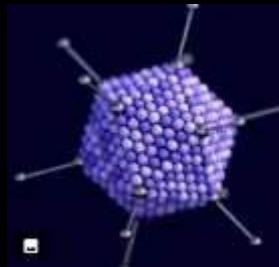


Gene editing
(CRISPR-Cas 9)

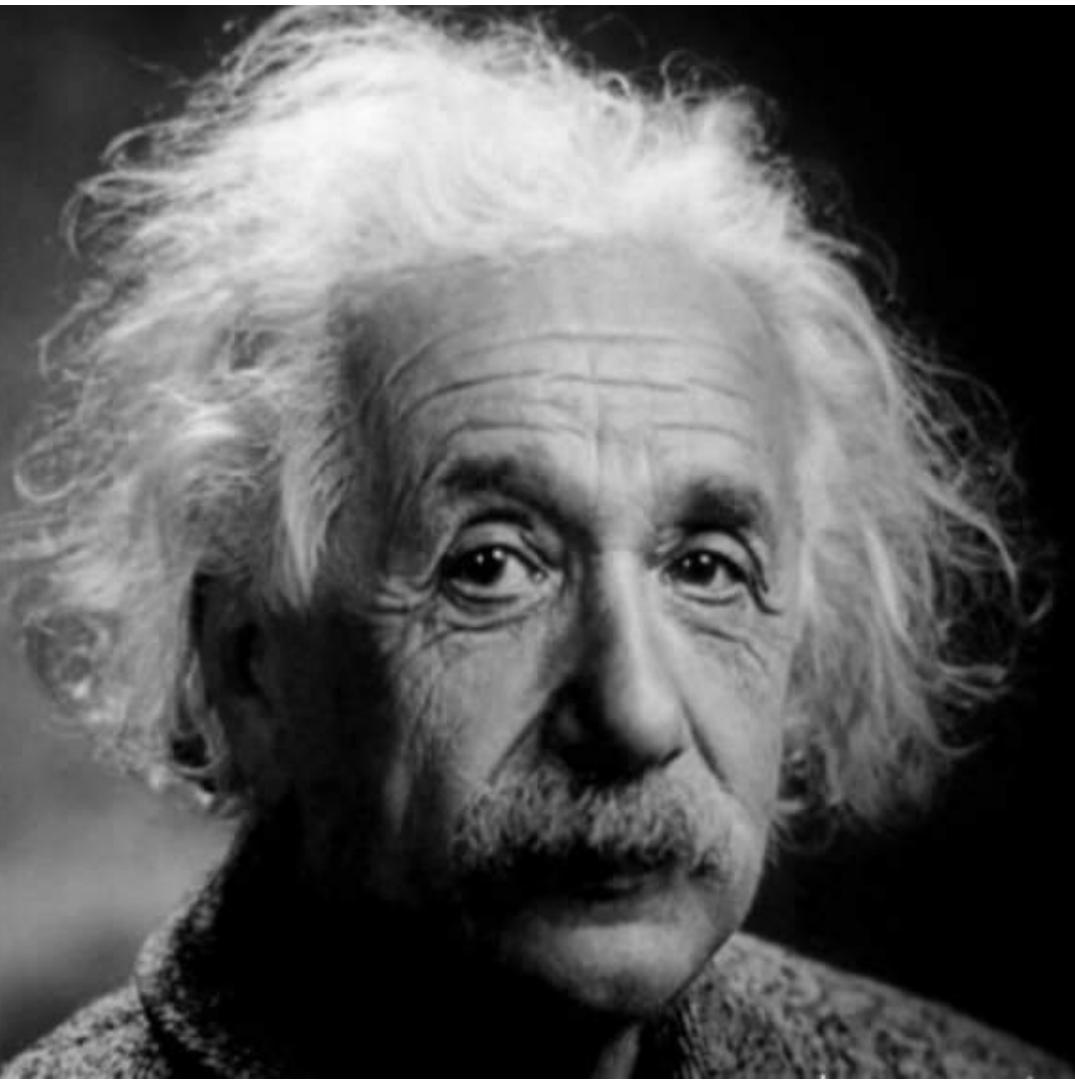


RNA-based
therapy

Viral Therapies





A black and white close-up portrait of Albert Einstein. He has his characteristic wild, white hair and a full, bushy white beard. He is looking slightly to the right of the camera with a thoughtful expression. The background is dark and out of focus.

Learn from yesterday, live for today,
hope for tomorrow. The important
thing is not to stop questioning.

Albert Einstein