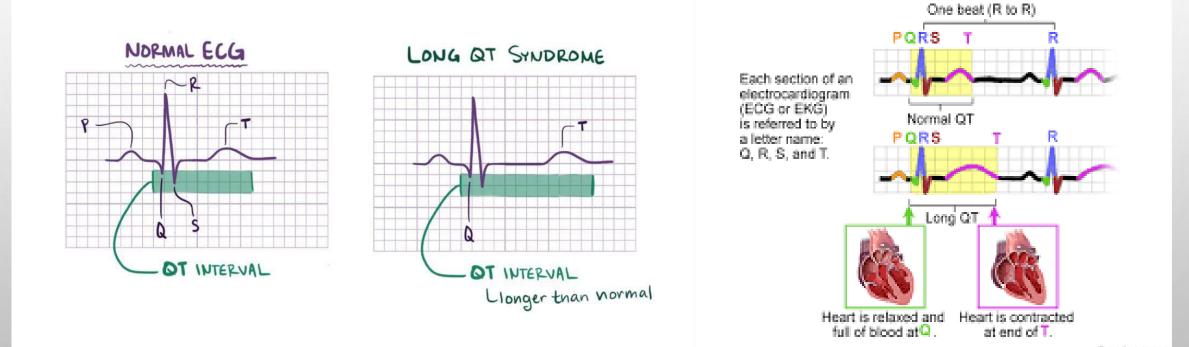
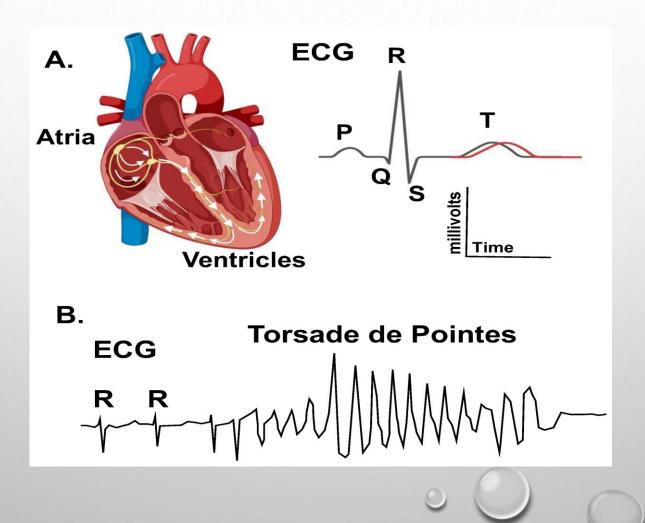


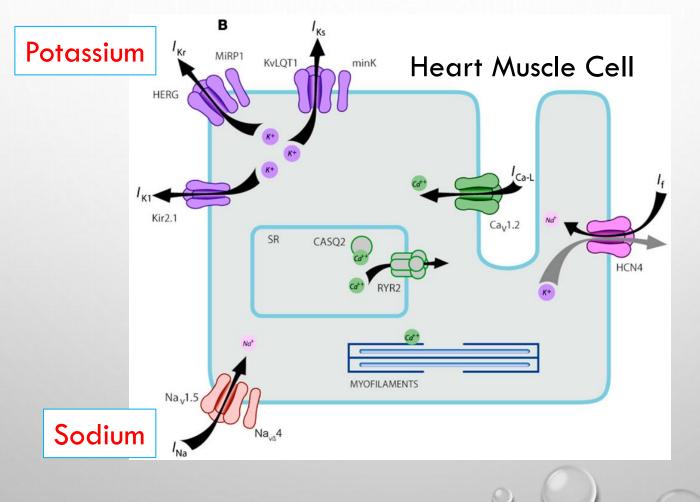
### WHAT'S NEW?

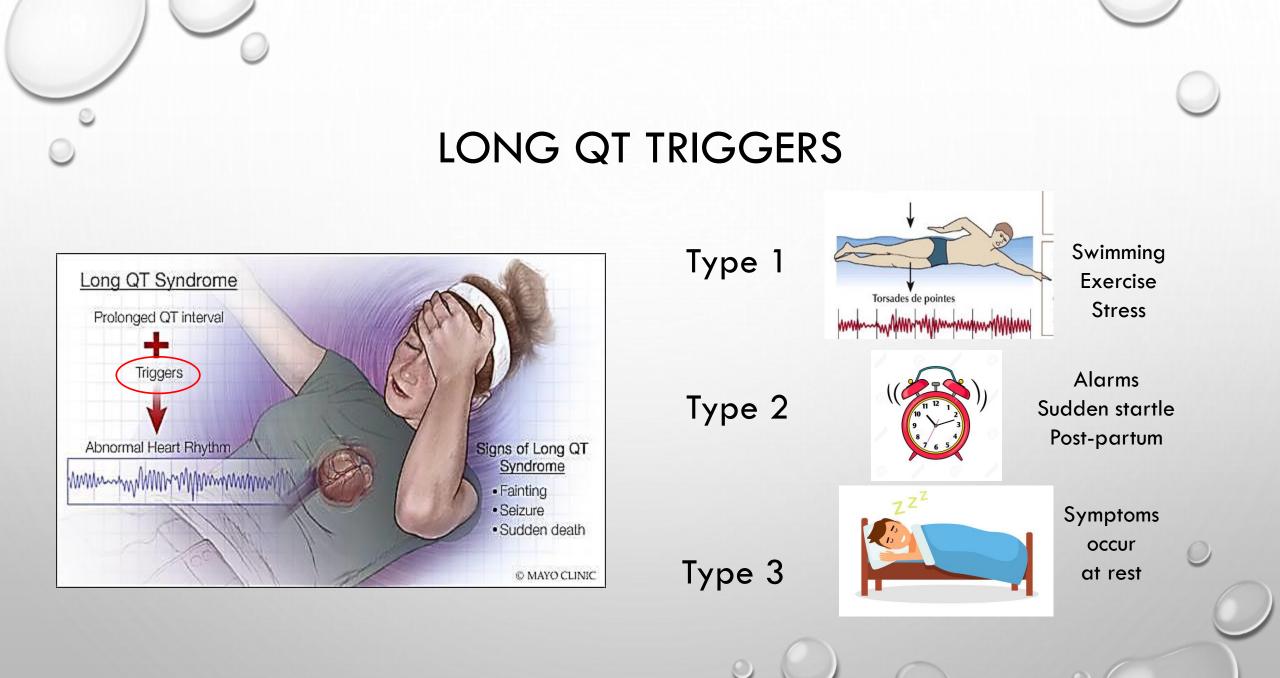




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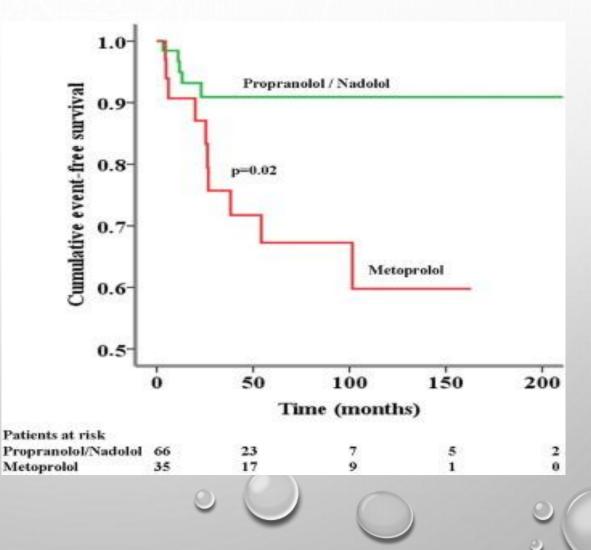




### LQTS TREATMENT

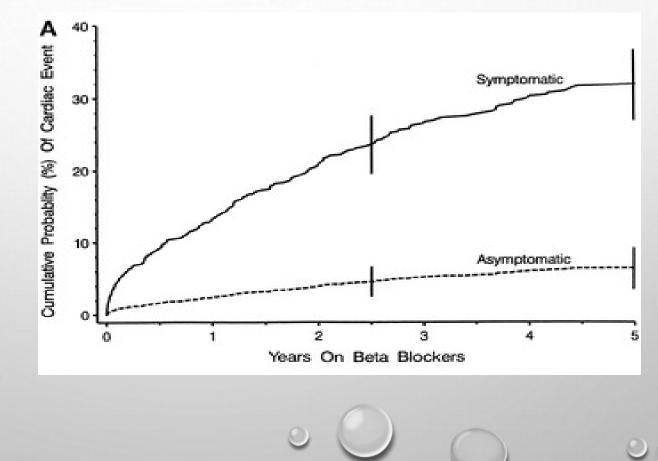
**Beta-Blockers** 





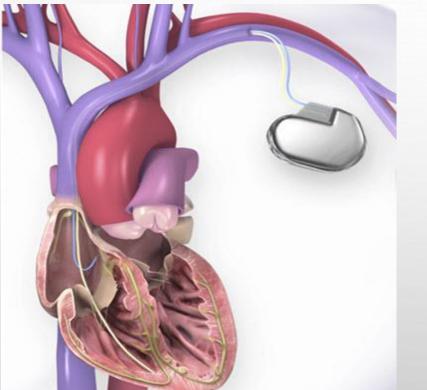
## LQTS TREATMENT



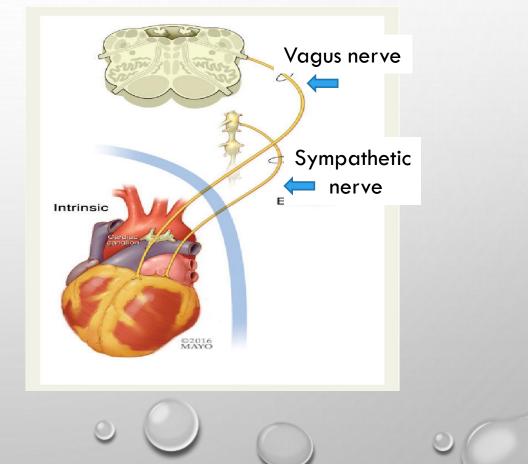


# LQTS TREATMENT

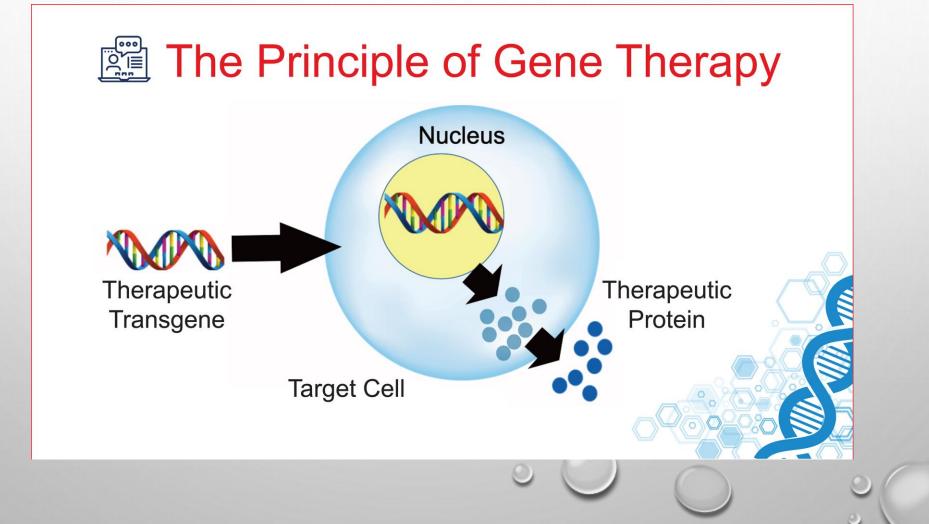
#### Pacemakers/ Defibrillators

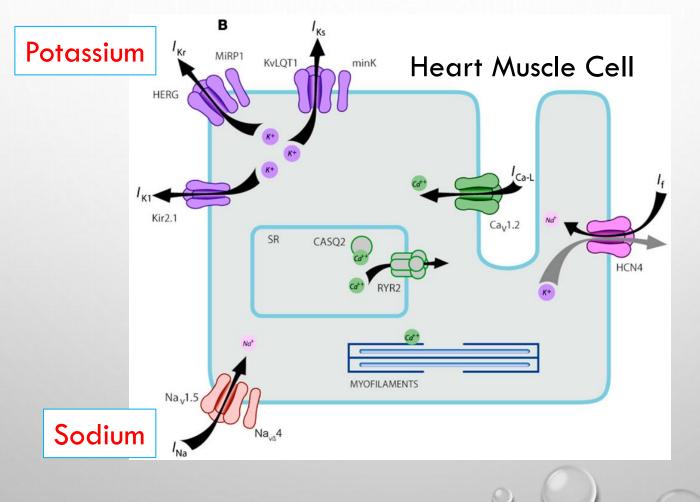


#### Cardiac Sympathectomy



## **GENE THERAPY**



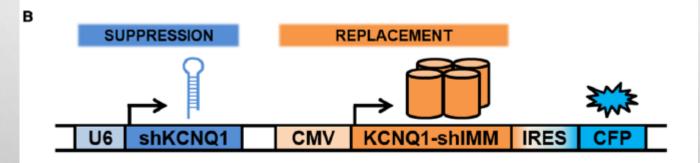




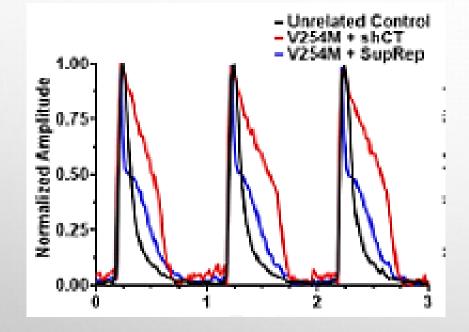
**Circulation** 

**ORIGINAL RESEARCH ARTICLE** 

Suppression-Replacement KCNQ1 Gene Therapy for Type 1 Long QT Syndrome



## GENE THERAPY FOR LQTS 1



#### Conclusion

This study provides the first proof-of-principle gene therapy for complete correction of long QT syndrome.

i966

41.4.5 - Ion Channels, Electrophysiology

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In vivo KCNQ1-suppression-replacement gene therapy in transgenic rabbits with type 1 long QT syndrome

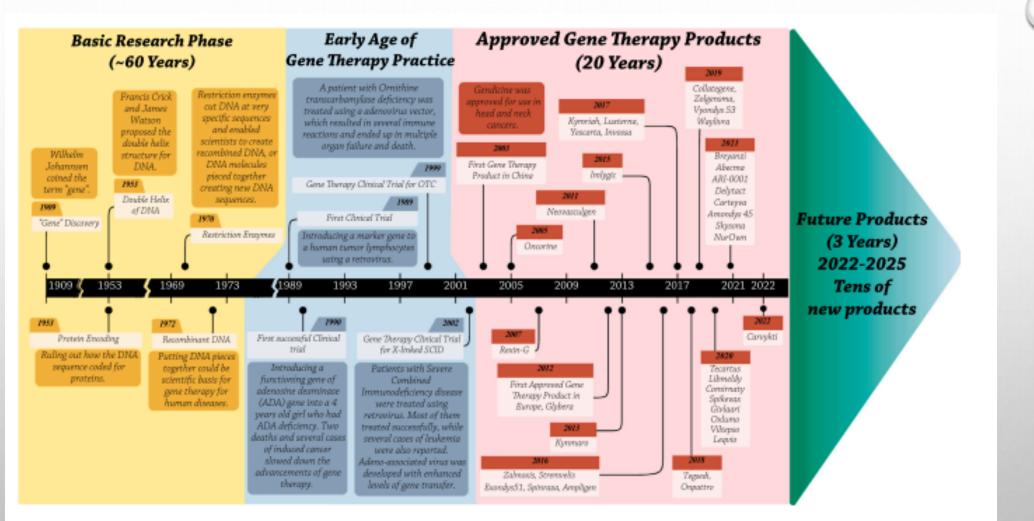
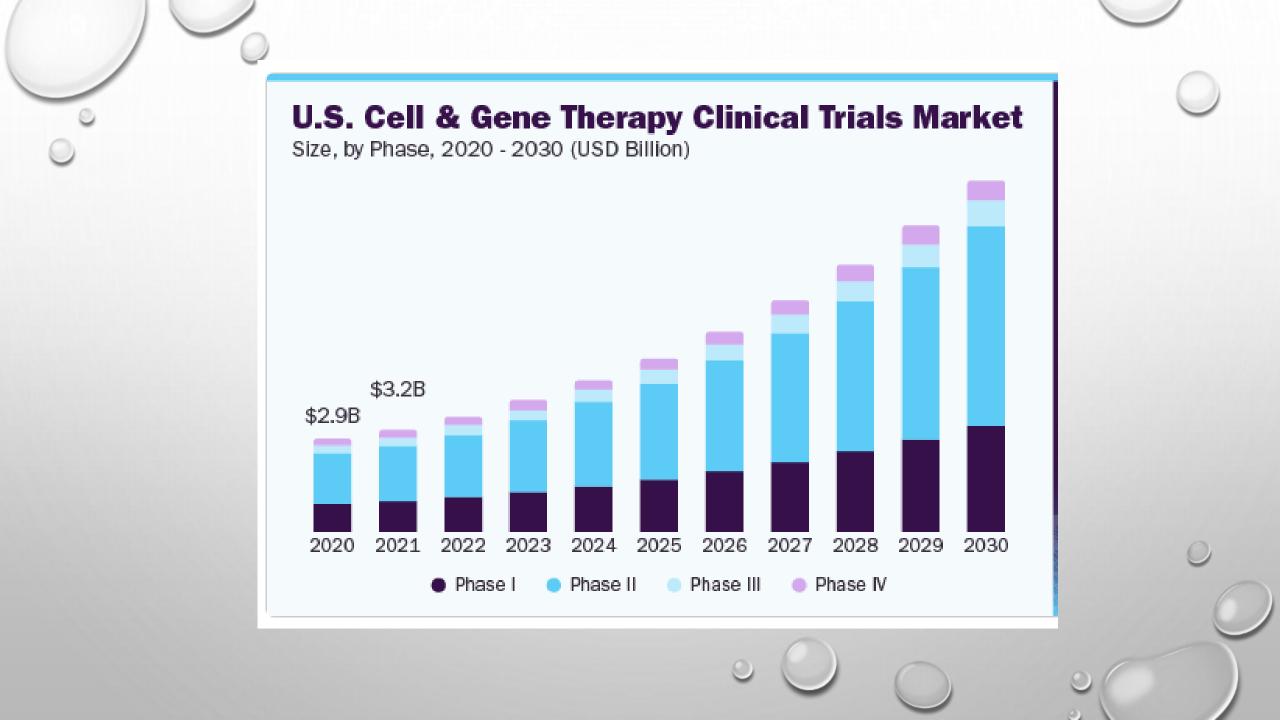


Fig. 2. Historical timeline of gene therapy.



# CONDITIONS WE IDENTIFY WITH ECG SCREENING

About <u>1-2%</u> of all ECGs we do have an abnormal finding which requires further evaluation

Summary of abnormal findings from ECG screenings (2006-2011) ST changes, LVH, 31% 34% LQT, WPW, 24% 10%

