

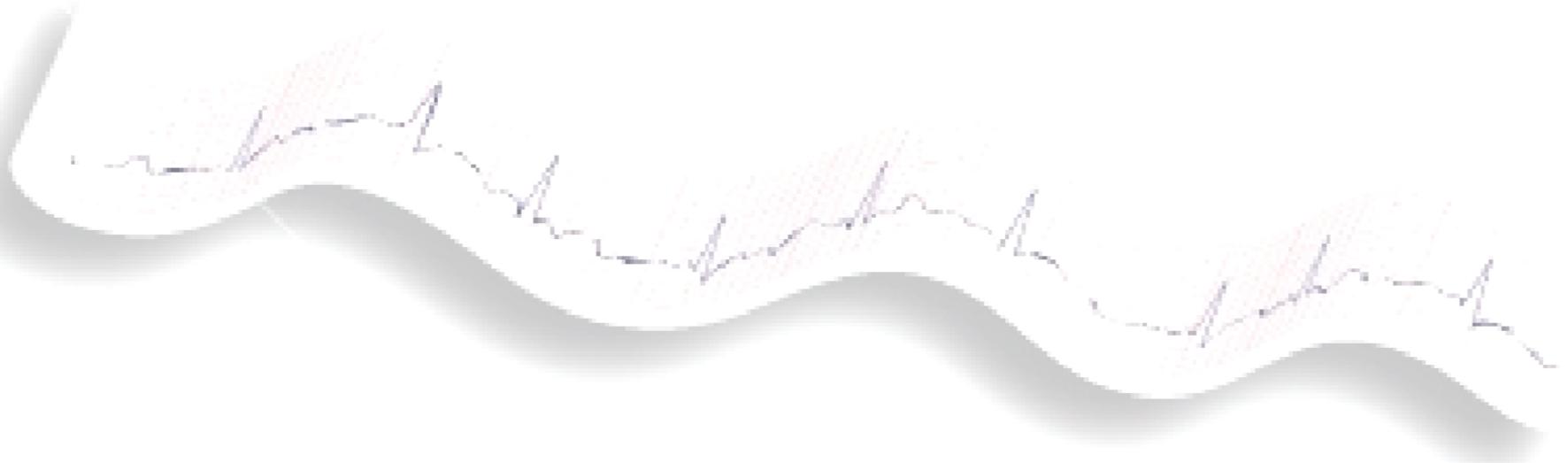
Empiric Quinidine for Asymptomatic Brugada Syndrome-

Preliminary Results of an International Registry

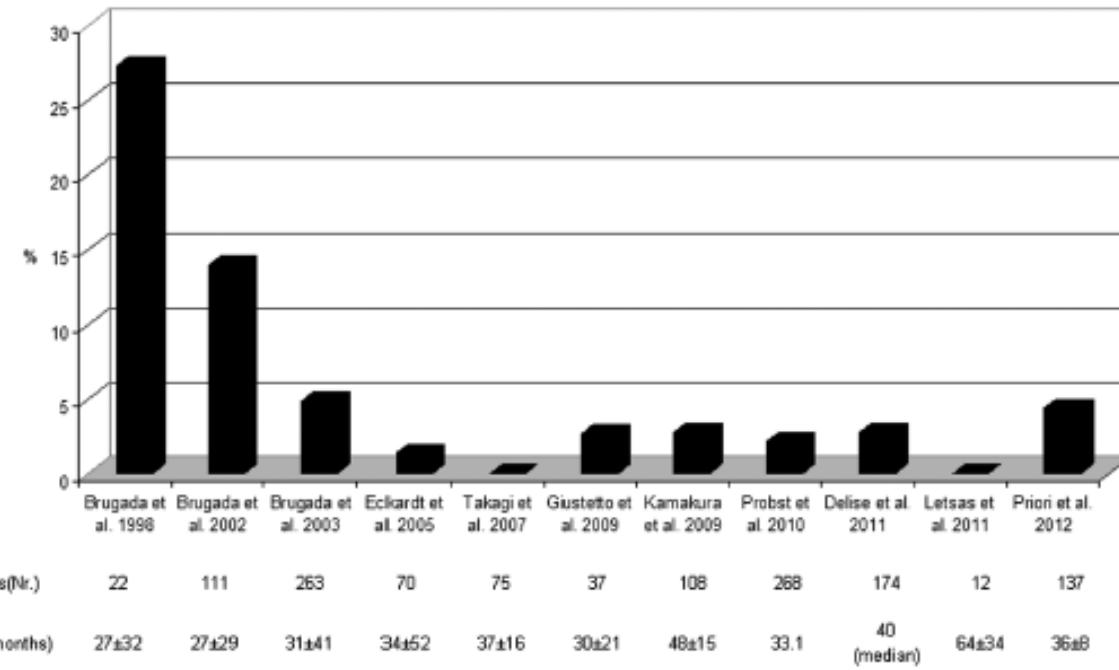
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No disclosures



Asymptomatic BrS- estimated risk



Percentage of asymptomatic patients with a spontaneous type 1 ECG that experience events (sudden cardiac death, appropriate implantable cardioverter-defibrillator discharge)

Asymptomatic BrS- risk stratification

Programmed electrical stimulation

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Heart Rhythm Disorders

Risk Stratification in Brugada Syndrome

Results of the PRELUDE (PRogrammed
ELectrical stimUlation preDictive valuE) Registry

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Paolo Della Bella, MD,|| Andrea Ghidini Ottonelli, MD,¶ Biagio Sassone, MD,#
Umberto Giordano, MD,** Carlo Pappone, MD,†† Giosuè Mascioli, MD,‡‡ Guido Rossetti, MD,§§
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and Vicenza, Italy; and New York, New York*

Asymptomatic BrS- risk stratification

Programmed electrical stimulation

Spontaneous type 1 pattern

Type 1 pattern in

QRS fragmentation

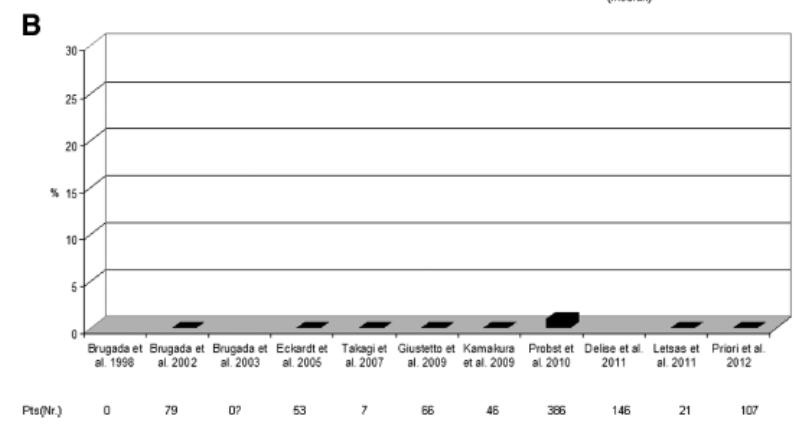
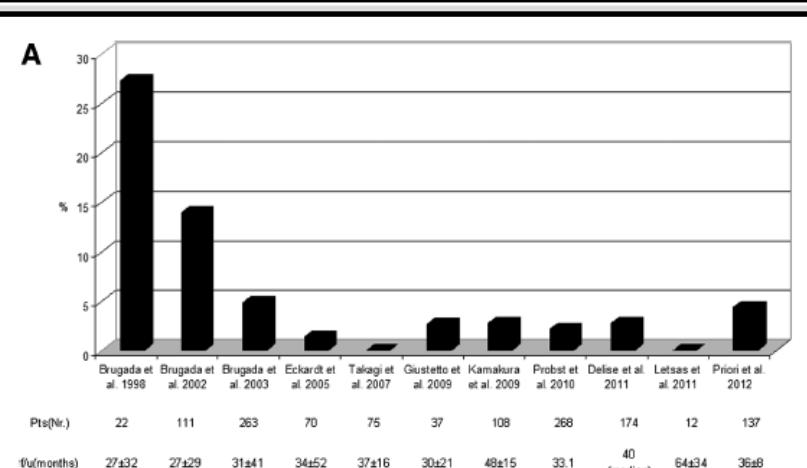
J point elevation

Signal averaged E

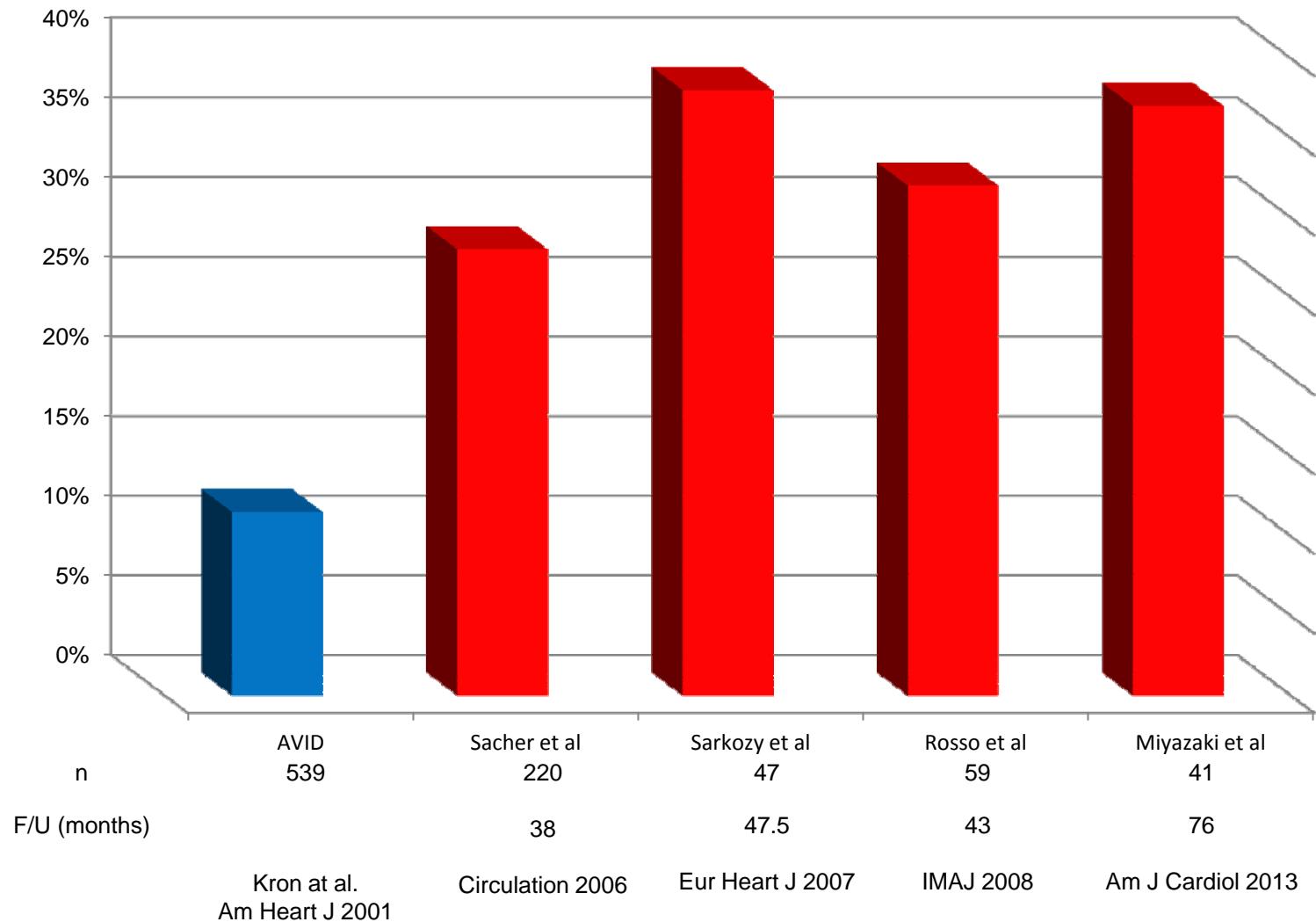
Exercise test

Repeated ECG

Holter



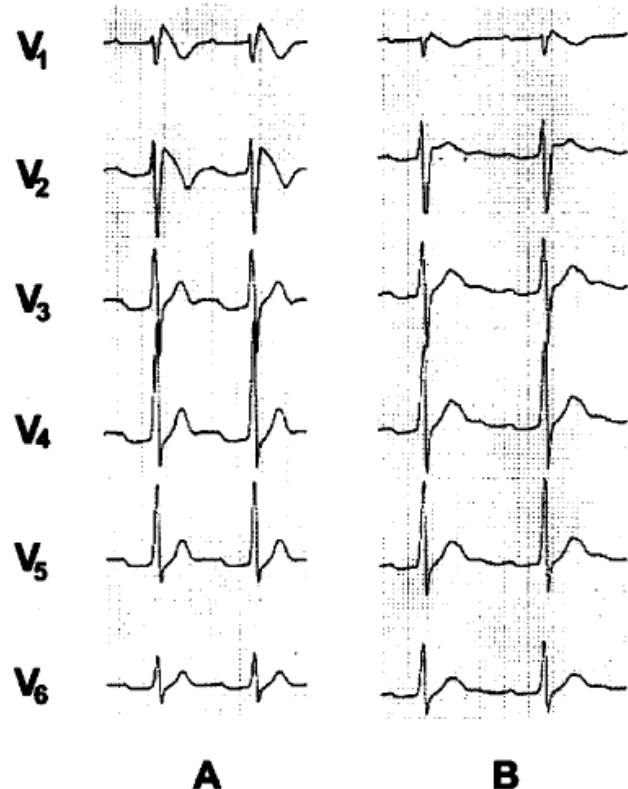
ICD in BrS- complication rate



Quinidine in BrS- efficacy data

In vitro arrhythmia suppression

ECG normalization in case reports



Alings et al; PACE 2001

Quinidine in BrS- efficacy data

In vitro arrhythmia suppression

ECG normalization in case reports

Prevention of VF induction during EPS

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Hydroquinidiⁿ
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Circulation
JOURNAL OF THE AMERICAN HEART ASSOCIATION



Efficacy of Quinidine in High-Risk Patients With Brugada Syndrome
Bernard Belhassen, Aharon Glick and Sami Viskin

Circulation. 2004;110:1731-1737; originally published online September 20, 2004;
doi: 10.1161/01.CIR.0000143159.30585.90

Quinidine in BrS- efficacy data

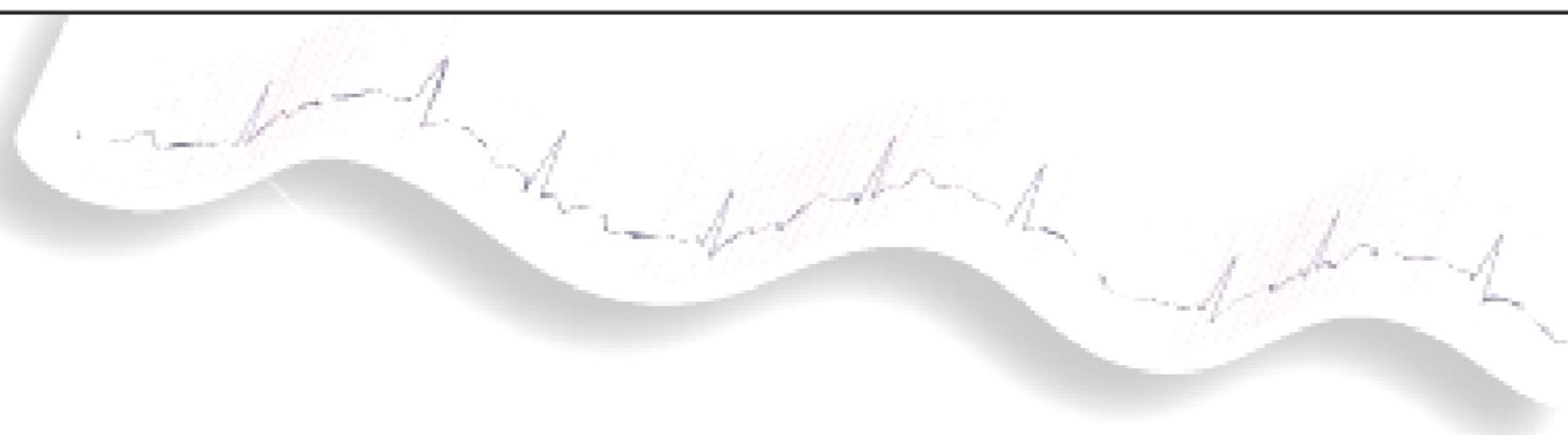
In vitro arrhythmia suppression

ECG normalization in case reports

Prevention of VF induction during EPS

Preventing spontaneous arrhythmias in non-randomized trials

Effective in VF storm termination



Quinidine- adverse reactions

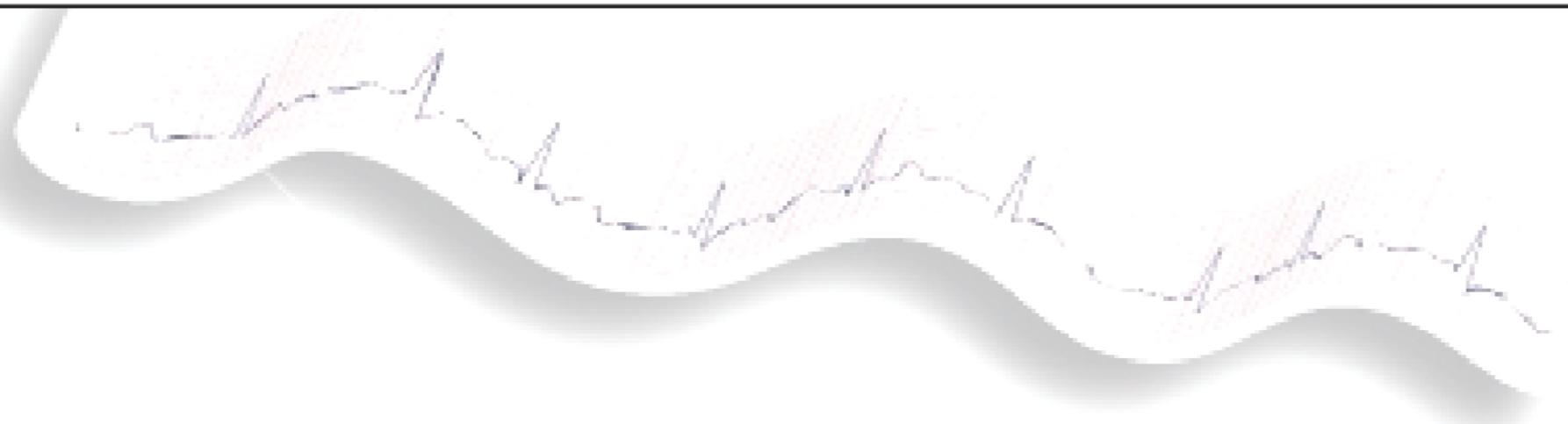
Diarrhea & GI intolerance ~30%

Liver toxicity < 1%

Cytopenia < 1%

Cinchonism < 1%

Torsades de Pointes 2-8% (?)



The Empiric Quinidine for Asymptomatic Brugada Syndrome International Registry

Asymptomatic patients with type 1 Brugada pattern

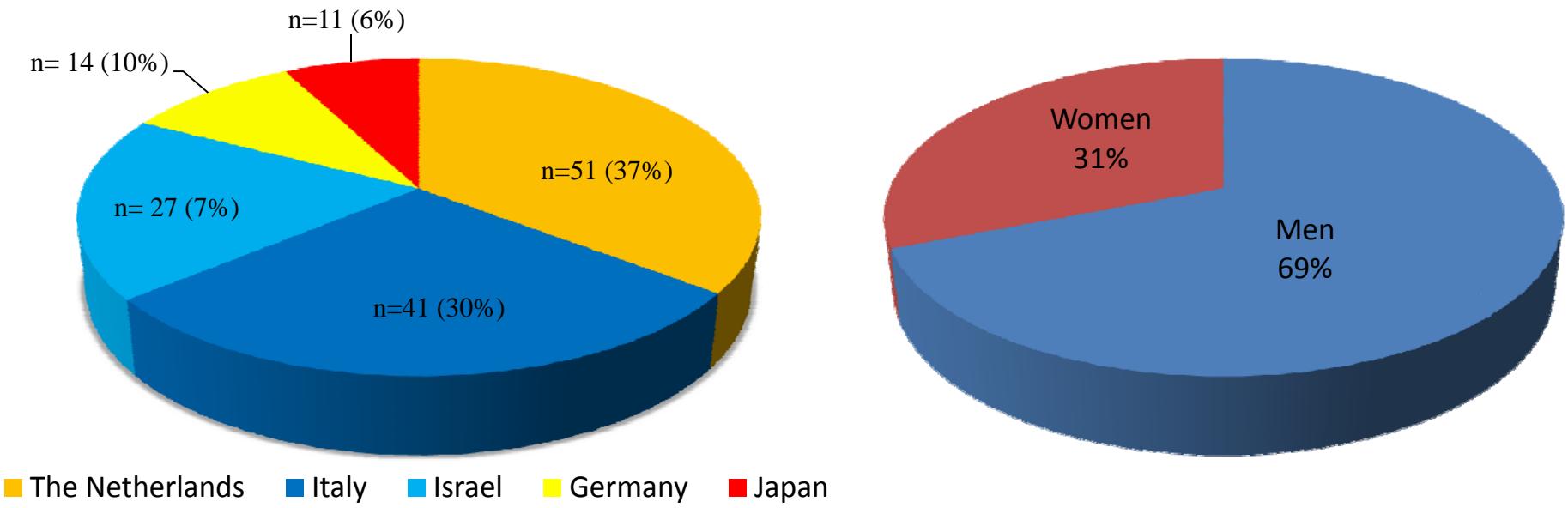
No evidence of structural heart disease

EPS is strongly discouraged

Initial dose: 600-900 mg hydroquinidine

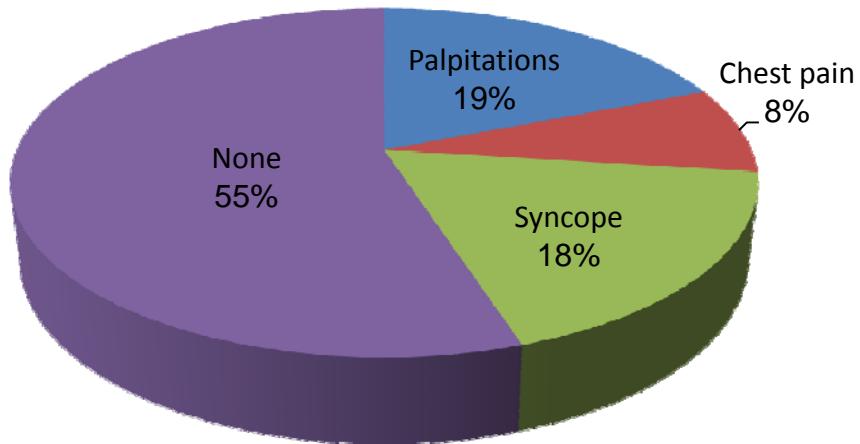
48 hrs hospitalization during onset of therapy

Preliminary results- number of patients

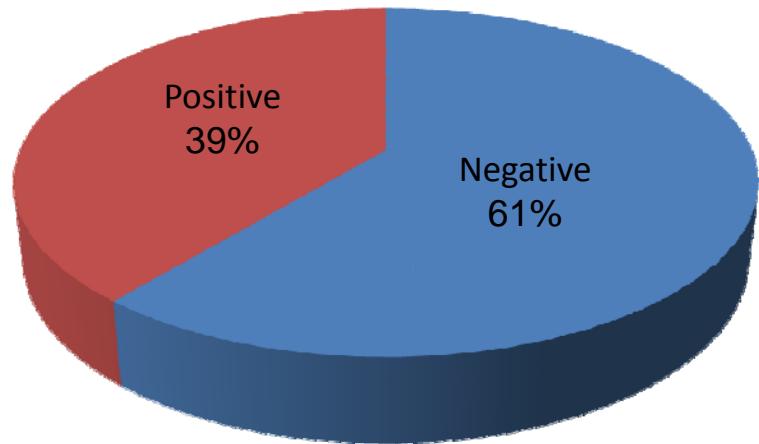


Total: 144
Mean age: 42 (6-75)

Preliminary results

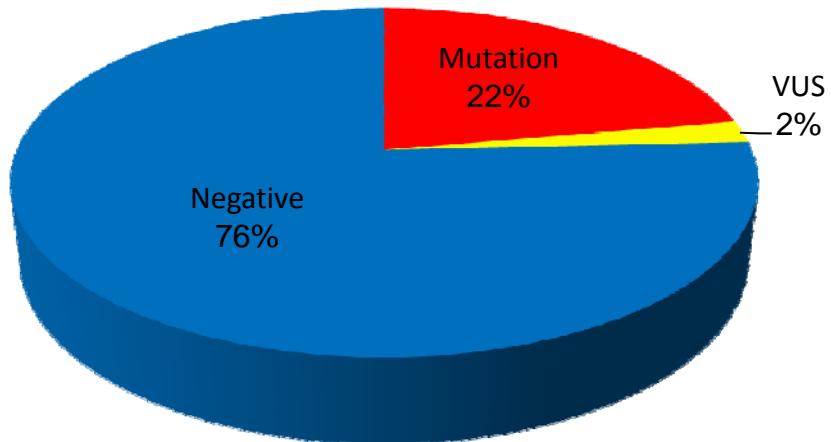
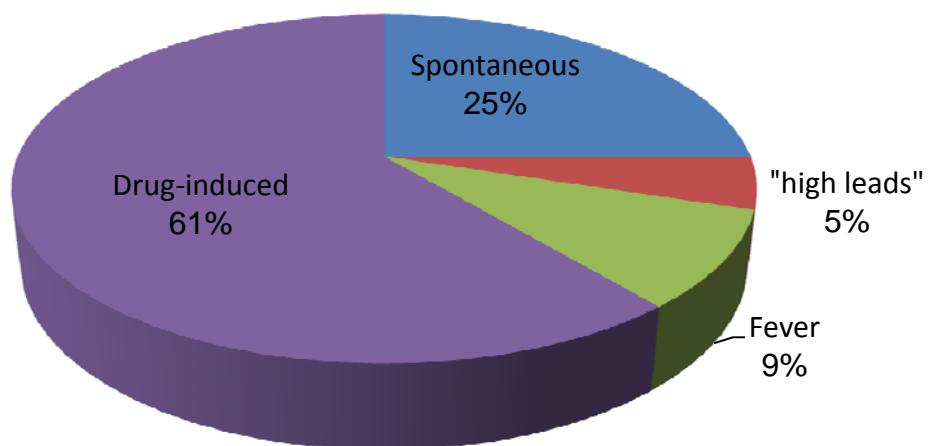


Symptoms



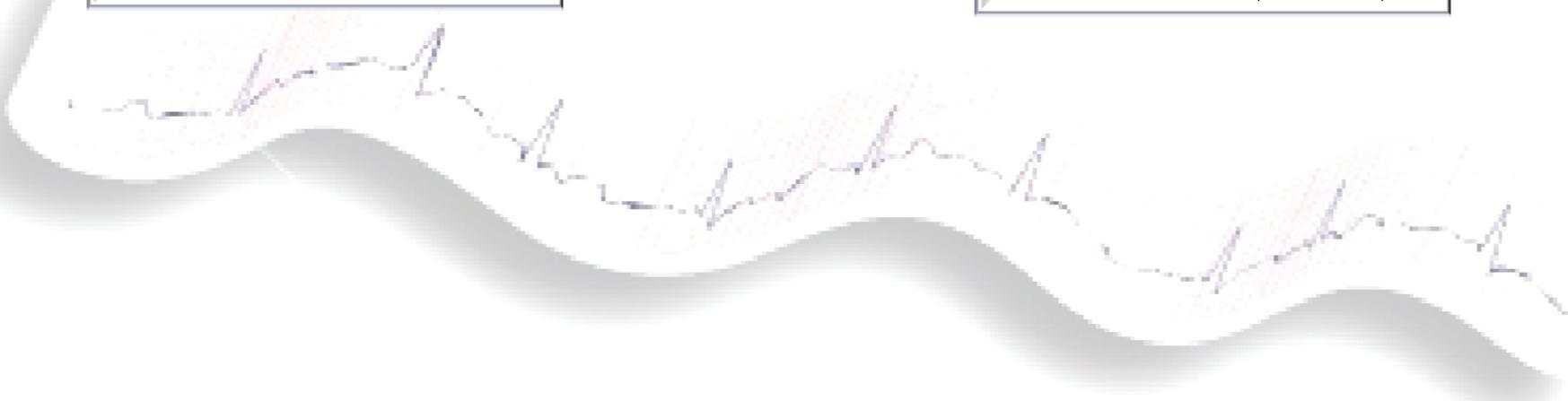
Family history

Preliminary results

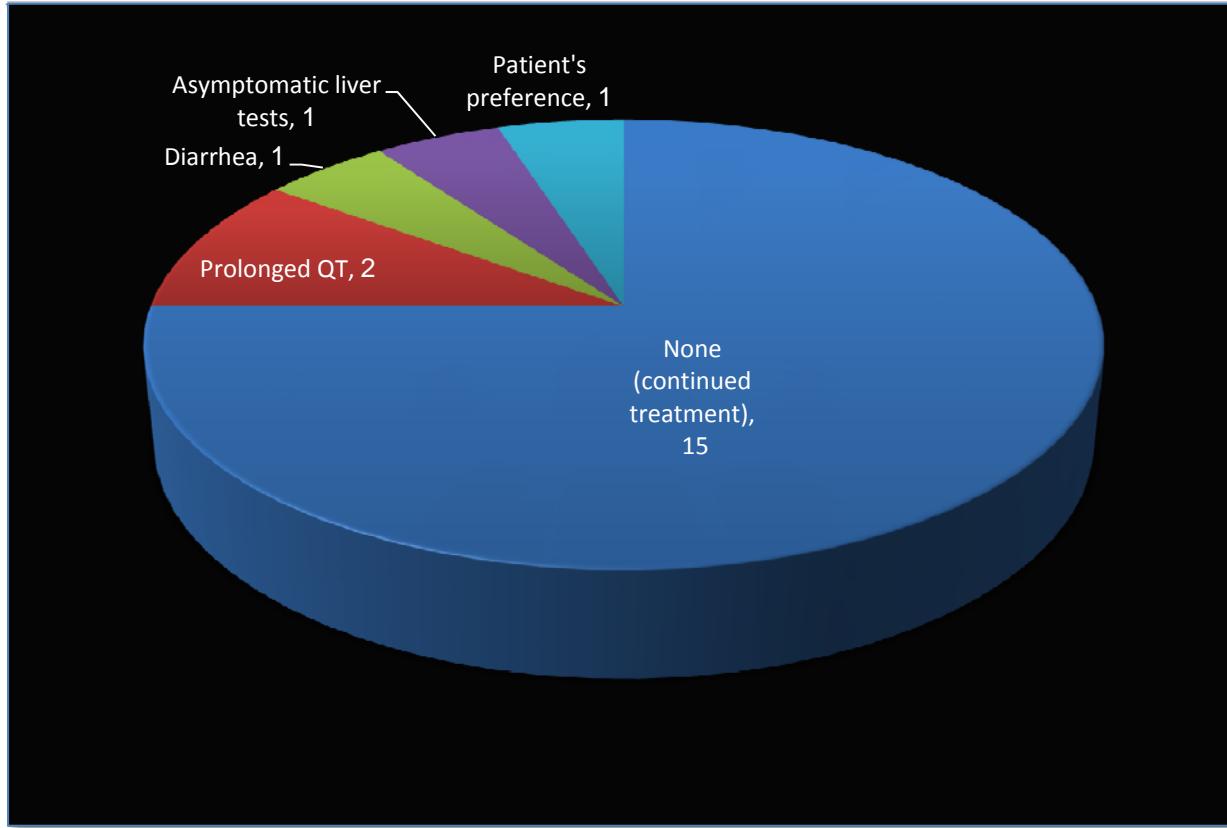


Diagnostic ECG

Genetics (n=67)



Preliminary results- quinidine



Preliminary results- follow up

1 adverse event in a mean
follow up time of 2.4 years

A close-up photograph of a Cinchona tree branch. The image features large, dark green, ovate leaves with prominent veins. Several clusters of small, white, five-petaled flowers are visible, some fully bloomed and others in bud. The background is dark, making the green leaves and white flowers stand out.

Thank you

brugadasyndrome.info

Cinchona tree