

Neues aus der Kardiologie –
Nützliches für die Hausarztpraxis



Gutes und Böses der Herzstromkurve

**lumen
praxis**

Lukas Erni

12. Juni 2025 – Hirschen Oberkirch

1

ERSTER ÜBERLIEFERTER PLÖTZLICHER HERZTOD BEI SPORT



Meldeläufer
Pheidippides
bei der Über-
mittlung des
Sieges der
Griechen
über die Perser
im Jahr 490 BC



42 km



Schlachtfeld in Marathon



Aeropag in Athen

Wikipedia - gemäss Überlieferung von Herodot

2

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3

PLÖTZLICHER HERZTOD



«Lazarus komm heraus!»

Lazarus von Bethanien (nahe Jerusalem)
Patron der Totengräber.

Rembrandt. The Raising of Lazarus. LA County Museum of Art.

4

KREISLAUFSTILLSTAND



ACLS Provider Manual. AHA.

5

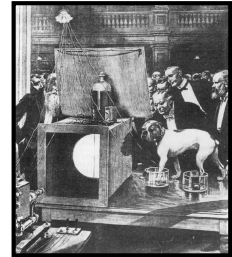
KLEINE GESCHICHTE DES EKG



Carlo Matteucci
1811-1868
Bologna



Augustus Waller
1856-1922
Edinburgh

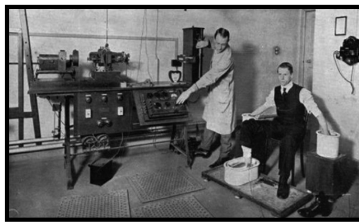


Hund Jimmy

The Invention of the Electrocardiography Machine. Heart Views. 2019 Nov 14;20(4):181-183.

6

KLEINE GESCHICHTE DES EKG

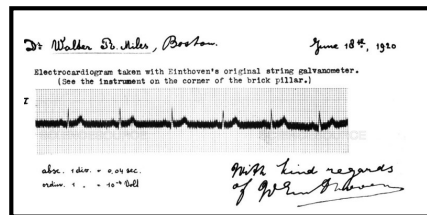


Saiten-Galvanometer zu Beginn des 20. Jahrhunderts

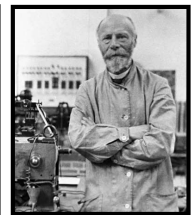
The Invention of the Electrocardiography Machine. Heart Views. 2019 Nov 14;20(4):181-183.

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KLEINE GESCHICHTE DES EKG



Einthoven's Saiten-Galvanometer EKG (Ableitung I) - erstmals abgeleitet 1903

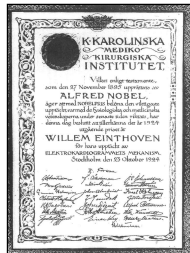


Willem Einthoven (1860-1927)
Leiden, Niederlande

The Invention of the Electrocardiography Machine. Heart Views. 2019 Nov 14;20(4):181-183.

8

WILLEM EINTHOVEN (1860-1927)



Wikipedia: Willem Einthoven's Nobelpreis 1924.

9

WILLEM EINTHOVEN (1860-1927)



Einthoven Hill, Brabant Island, Nordwestliche Antarktis.

10

WILLEM EINTHOVEN (1860-1927)



Wikipedia: Einthoven moon crater.
Einschlagskrater der sich auf der Erde abgewandten Seite des Mondes befindet.

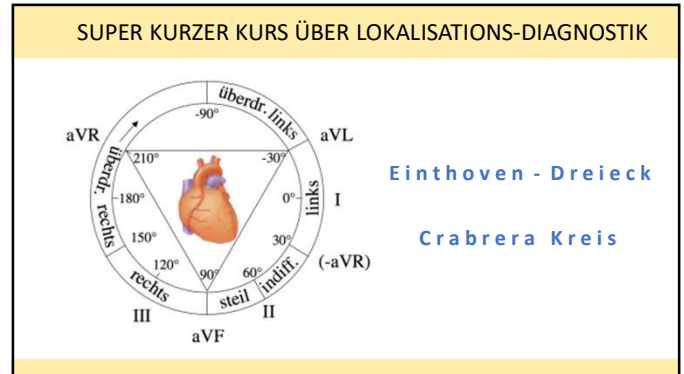
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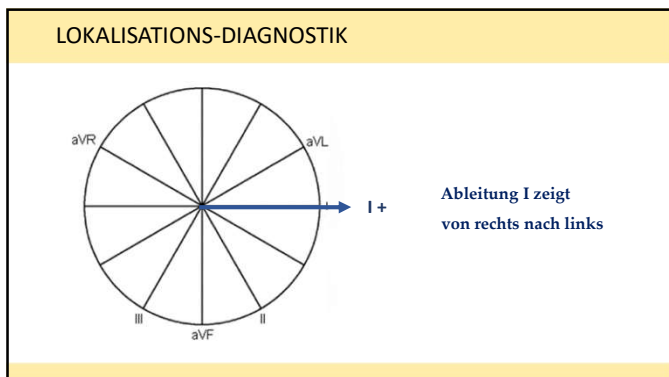
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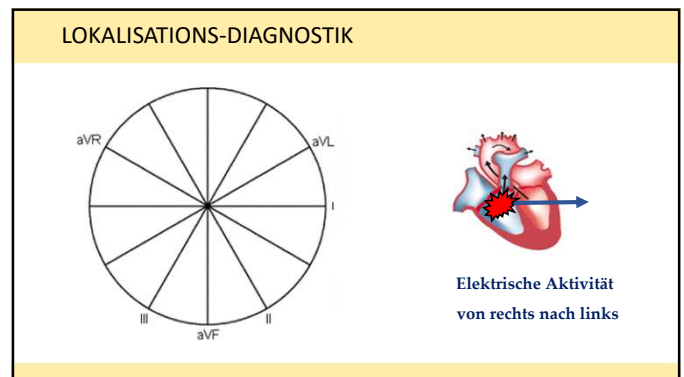
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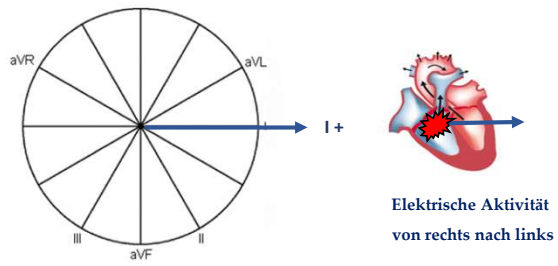


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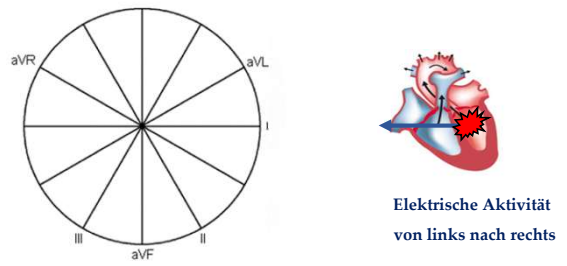
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LOKALISATIONS-DIAGNOSTIK



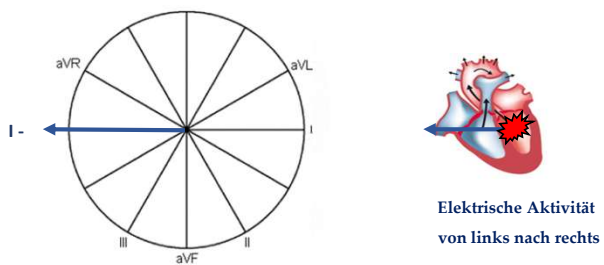
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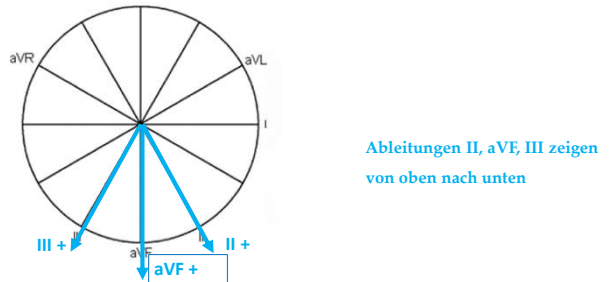
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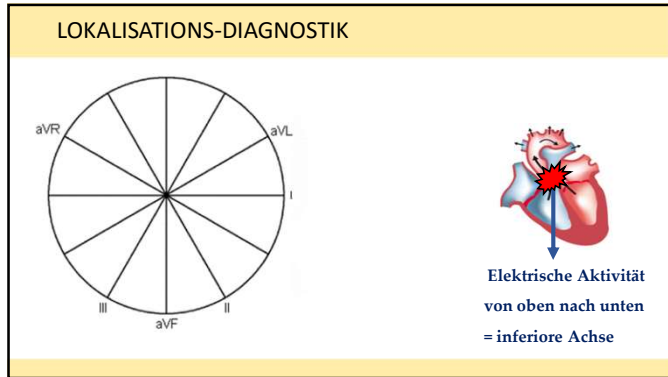


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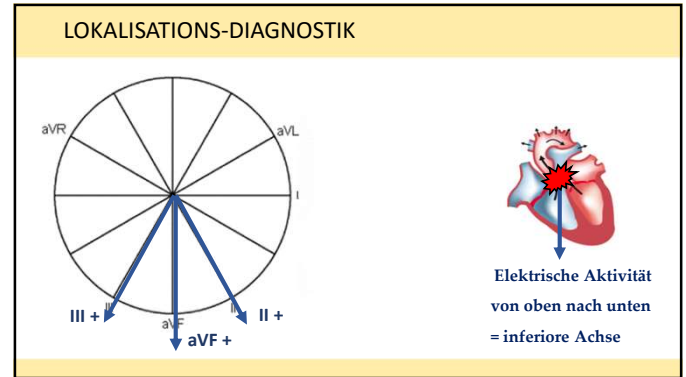
LOKALISATIONS-DIAGNOSTIK



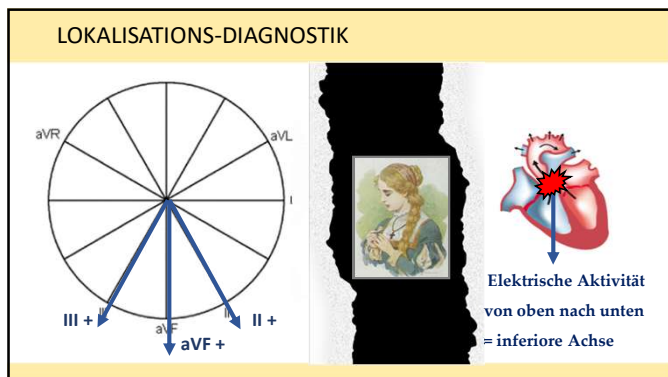
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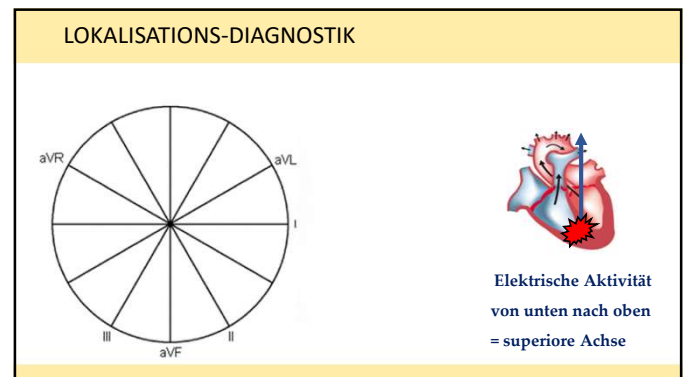
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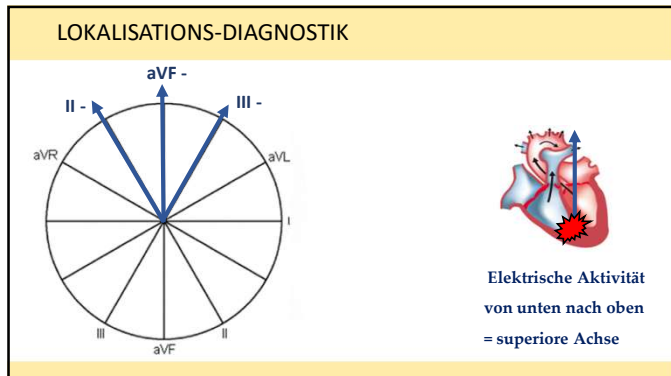
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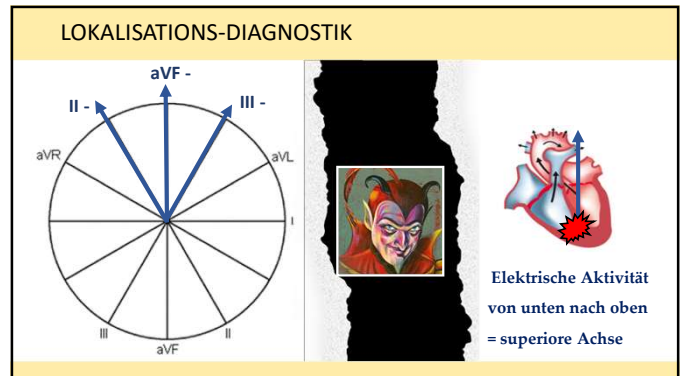
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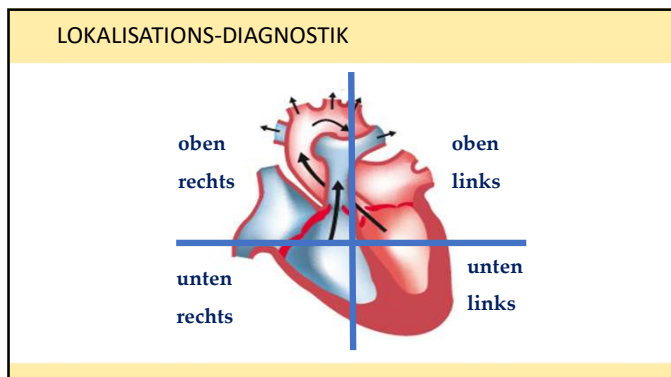
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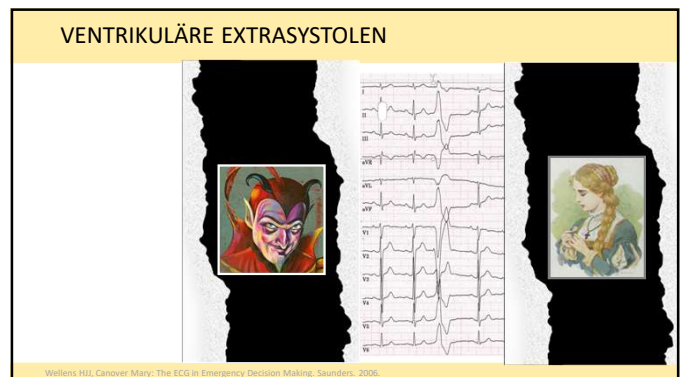
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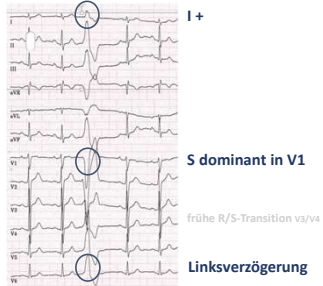
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VENTRIKULÄRE EXTRASYSTOLEN

Erregung von rechts nach links

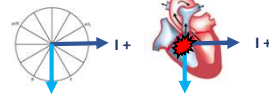


Wellens HJ, Canover Mary: The ECG in Emergency Decision Making, Saunders, 2006

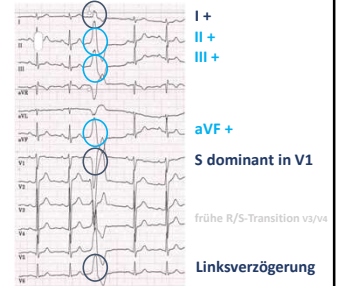
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VENTRIKULÄRE EXTRASYSTOLEN

Erregung von rechts nach links



Erregung von oben nach unten

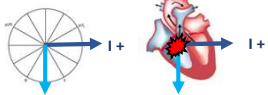


Wellens HJ, Canover Mary: The ECG in Emergency Decision Making, Saunders, 2006

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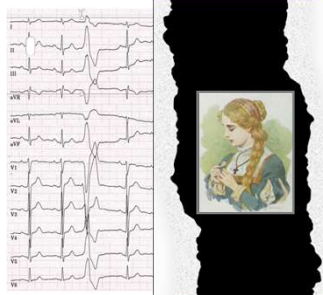
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Erregung von rechts nach links



Erregung von oben nach unten

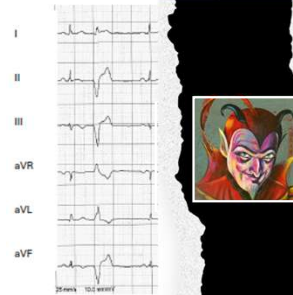
VES aus dem rechts-ventrikulären Ausflusstrakt



Wellens HJ, Canover Mary: The ECG in Emergency Decision Making, Saunders, 2006

31

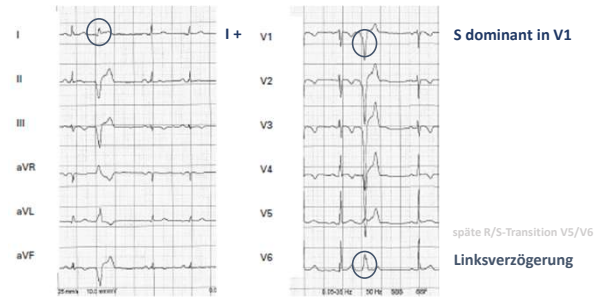
VENTRIKULÄRE EXTRASYSTOLEN



Kotus R, Zuber M, Erni P: Ursprung der Extrasystolen. Radiologische Monitor 2008;11: Nr. 12

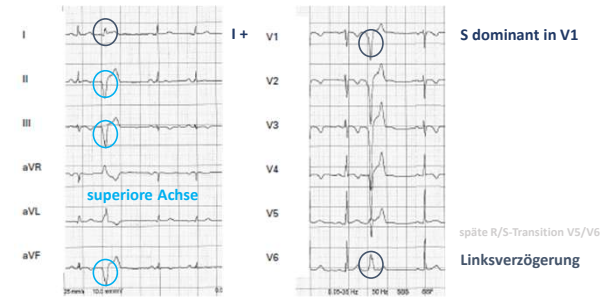
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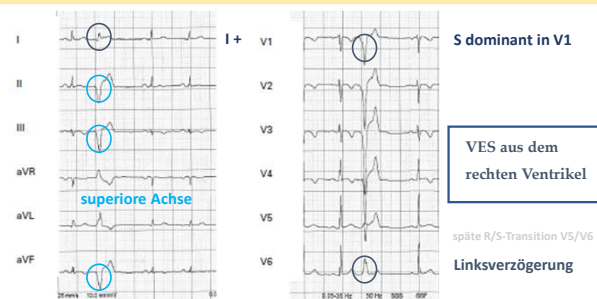
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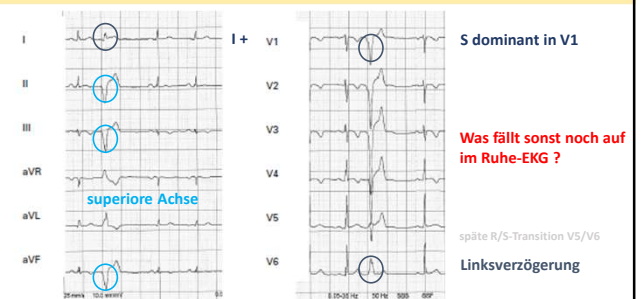
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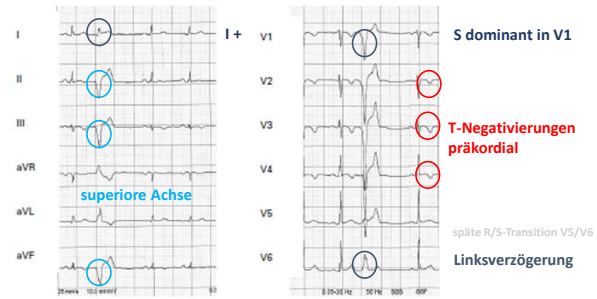
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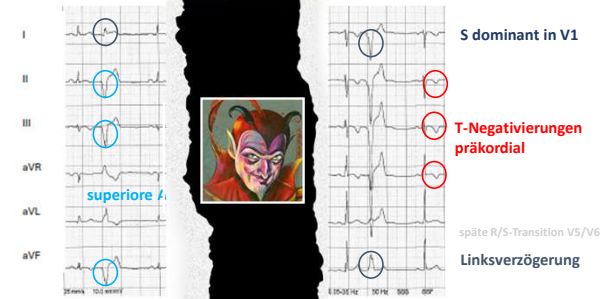
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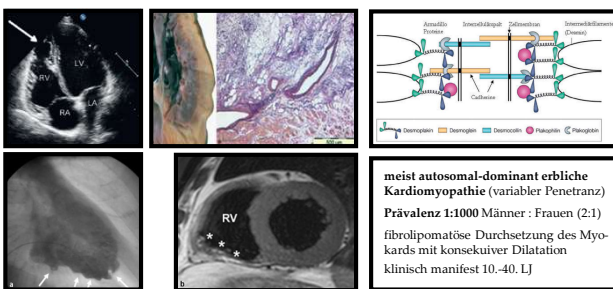
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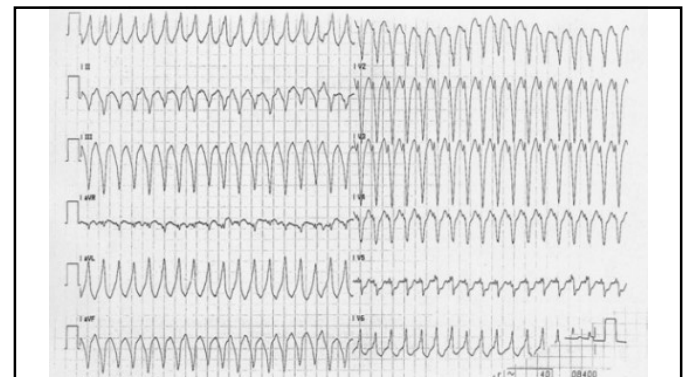


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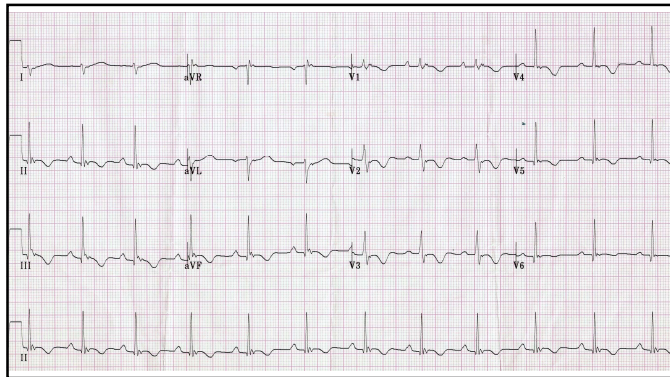
ARRHYTHMOGENE RV KARDIOMYOPATHIE / DYSPLASIE



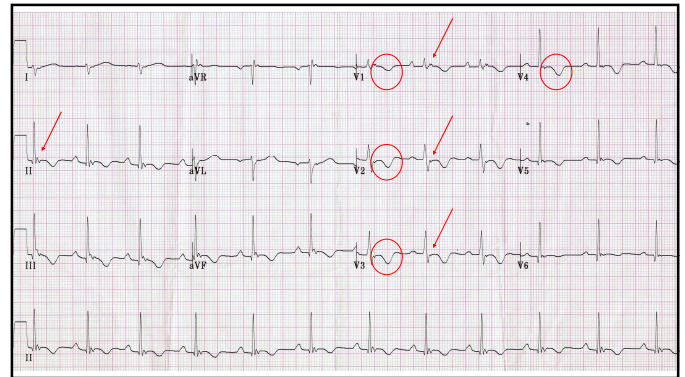
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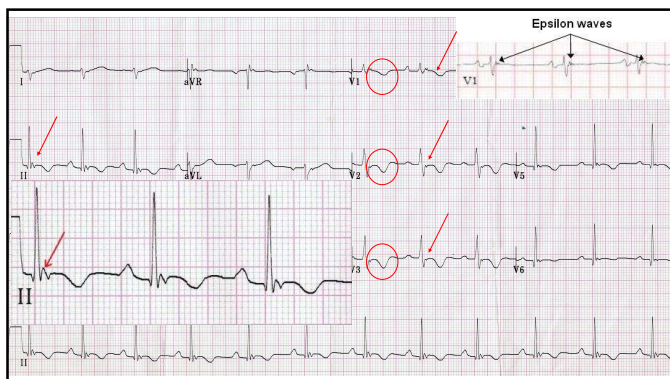
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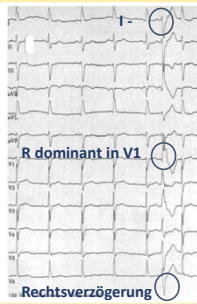


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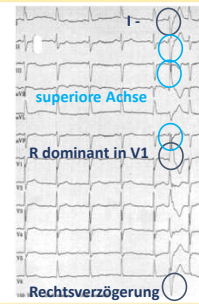
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Wellens HJL, Canover Mary: The ECG in Emergency Decision Making, Saunders, 2006.

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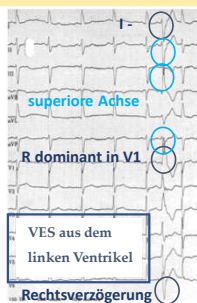
VENTRIKULÄRE EXTRASYSTOLEN



Wellens HJL, Canover Mary: The ECG in Emergency Decision Making, Saunders, 2006.

46

VENTRIKULÄRE EXTRASYSTOLEN



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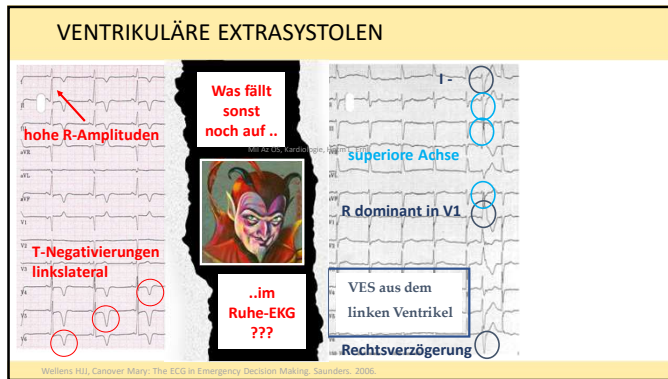
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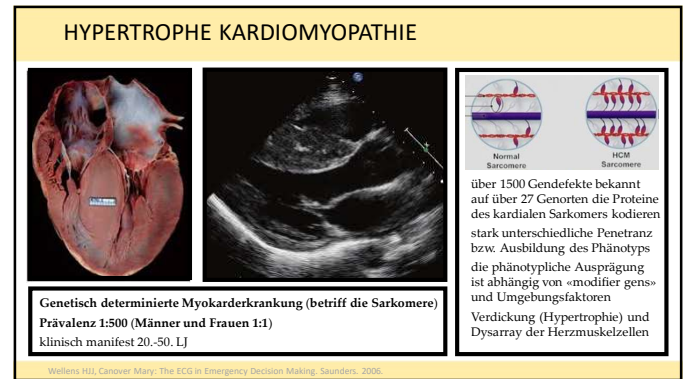


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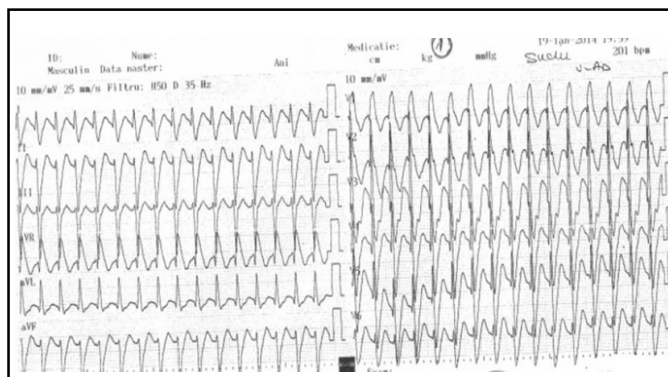
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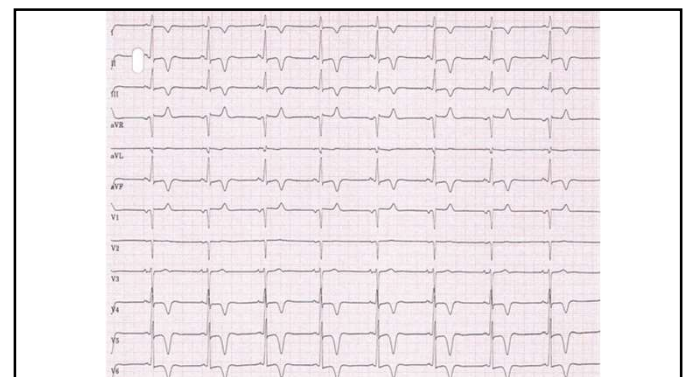
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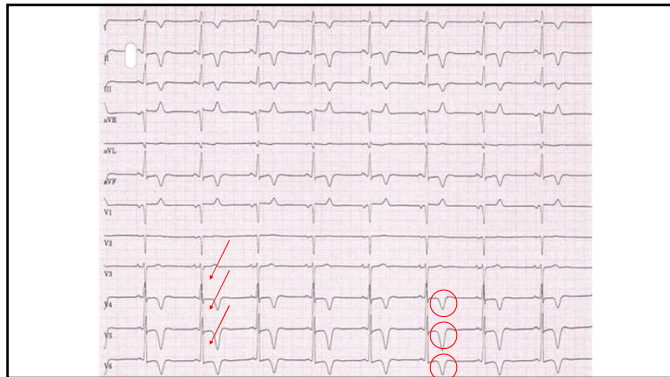
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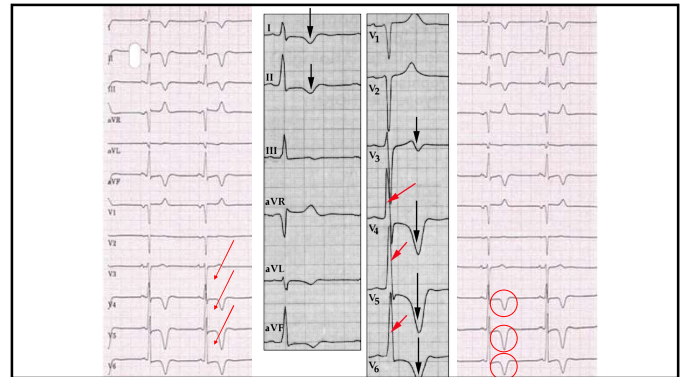
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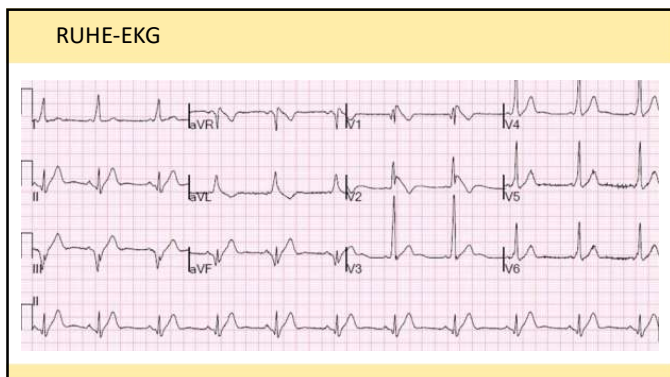
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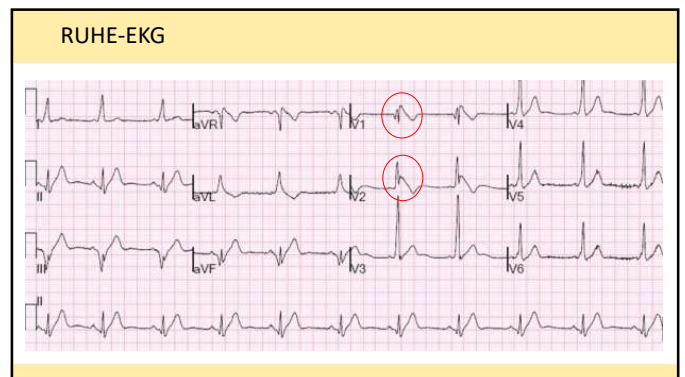
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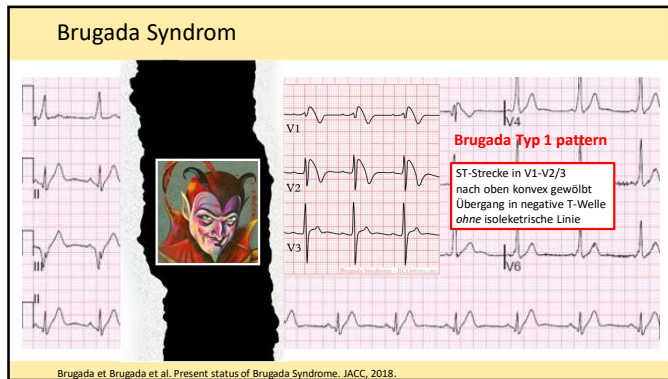
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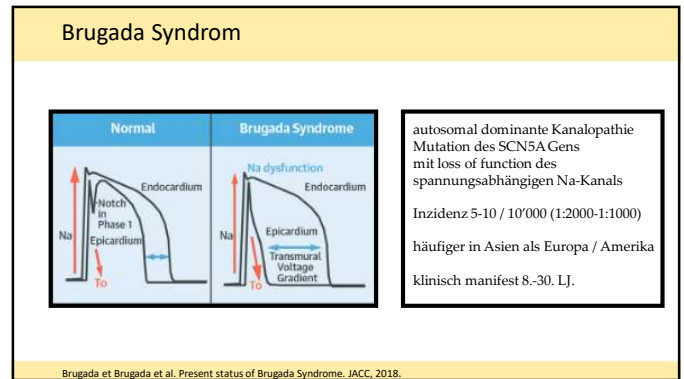
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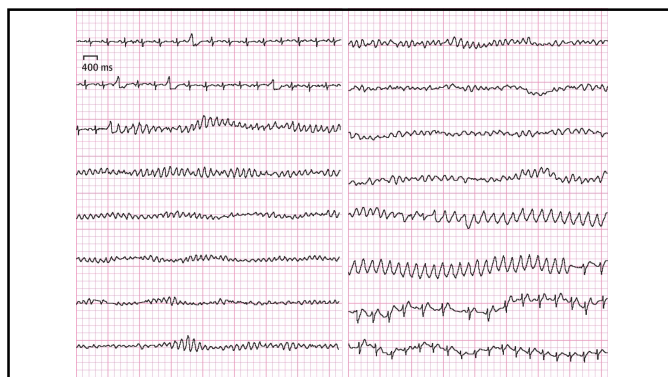
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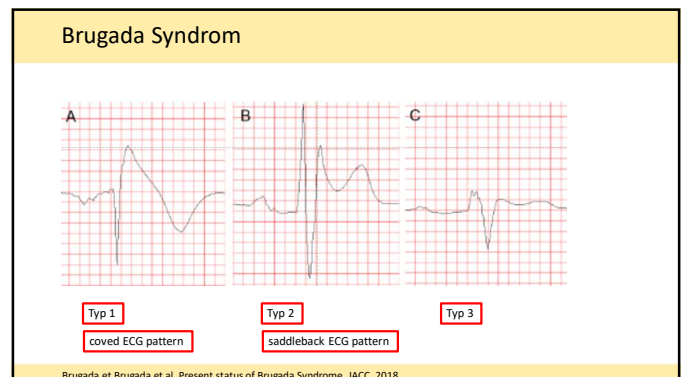
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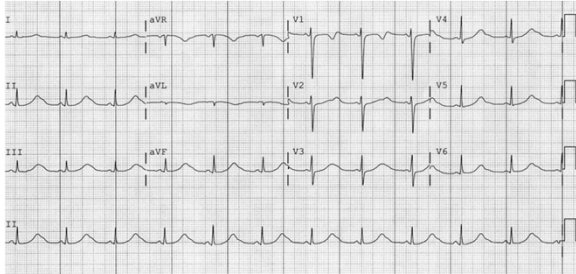


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RUHE-EKG



Wellens HJ, Canover Mary. The ECG in Emergency Decision Making. Saunders, 2006.

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LONG QT SYNDROM



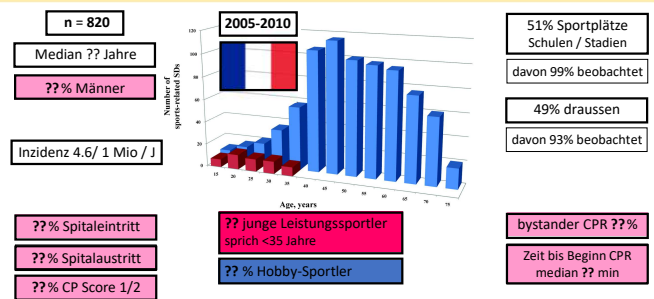
Wellens HJ, Canover Mary. The ECG in Emergency Decision Making. Saunders, 2006.

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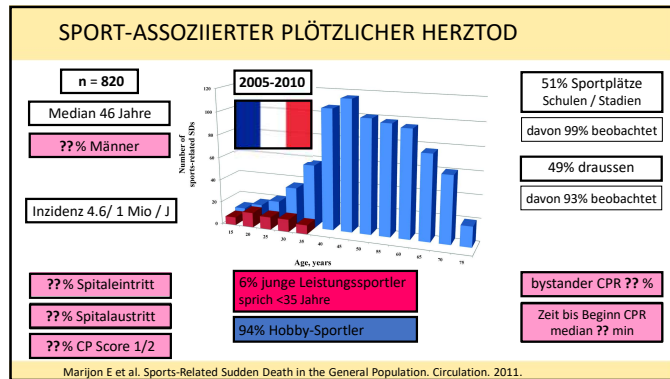
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SPORT-ASSOZIIERTER PLÖTZLICHER HERZTOD

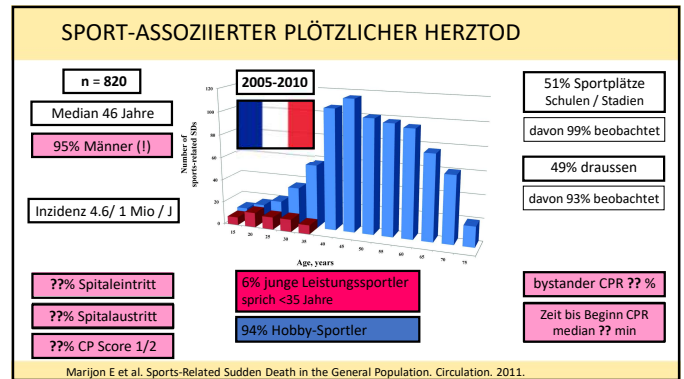


Marjon E et al. Sports-Related Sudden Death in the General Population. Circulation. 2011.

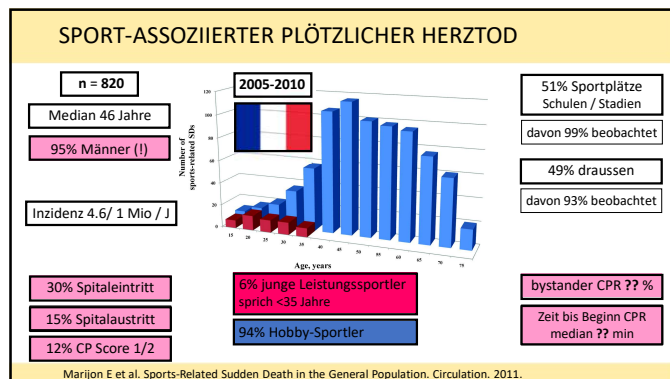
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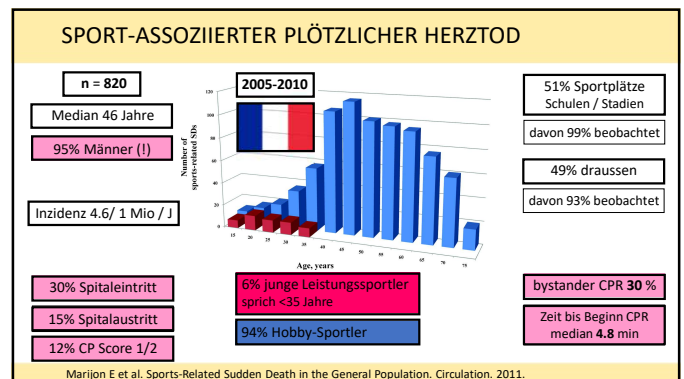
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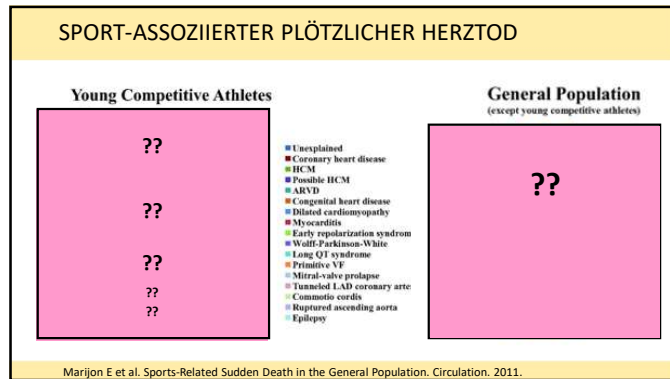
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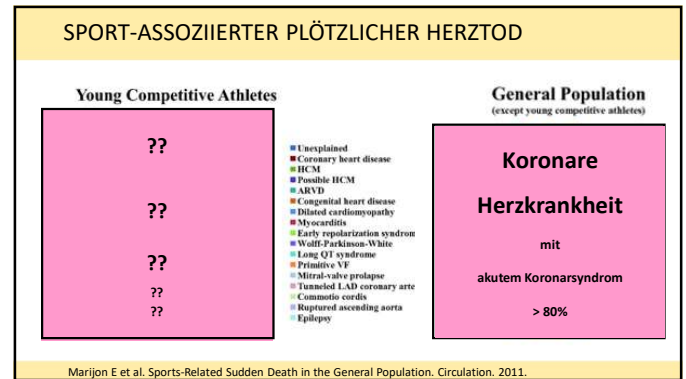
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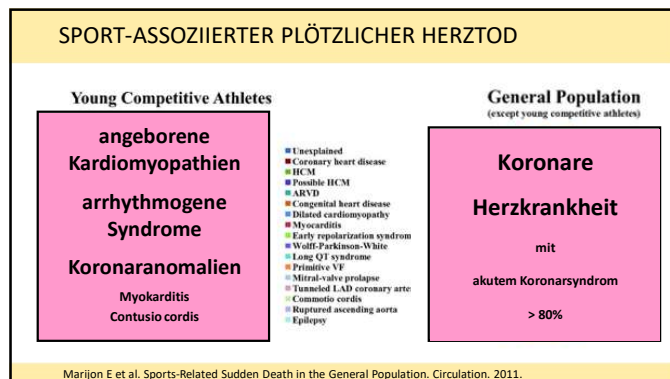
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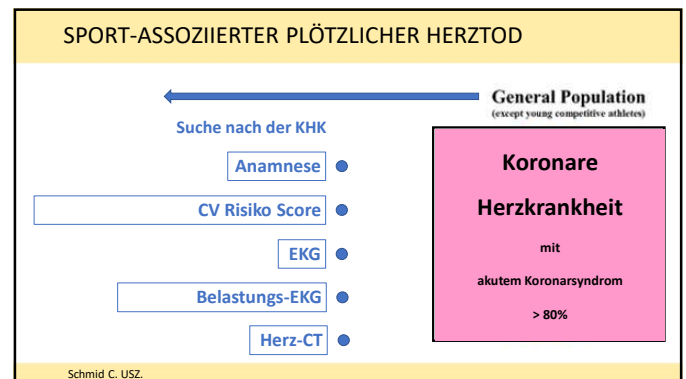
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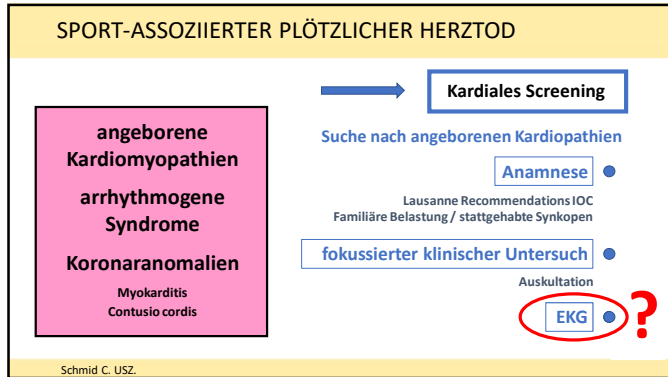
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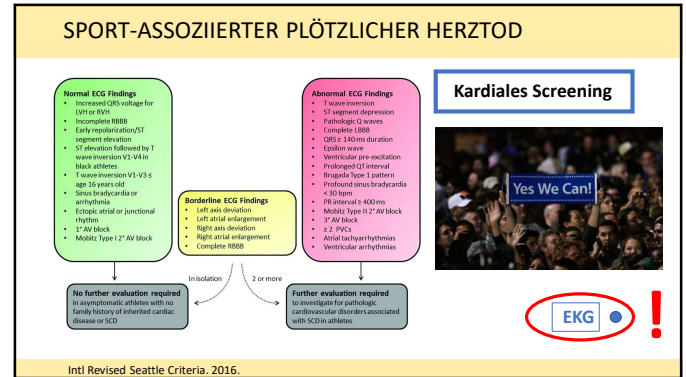
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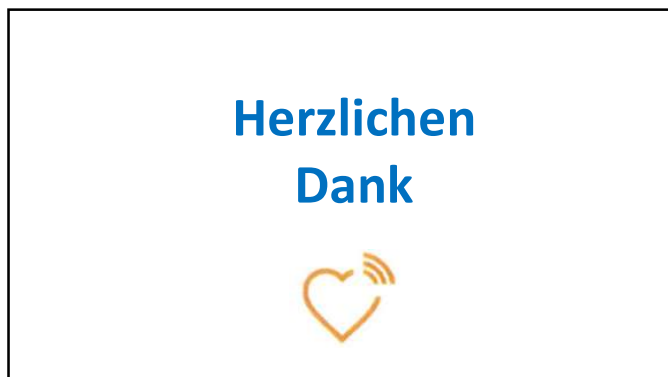
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