

# Presentation of a clinical case on sudden death

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Mannheim

# Presentation of a clinical case on sudden death

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## Case I

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**16 yr old female**

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**Cardiac arrest while swimming**

- **No prior history of illness**
  - **No acute infection**
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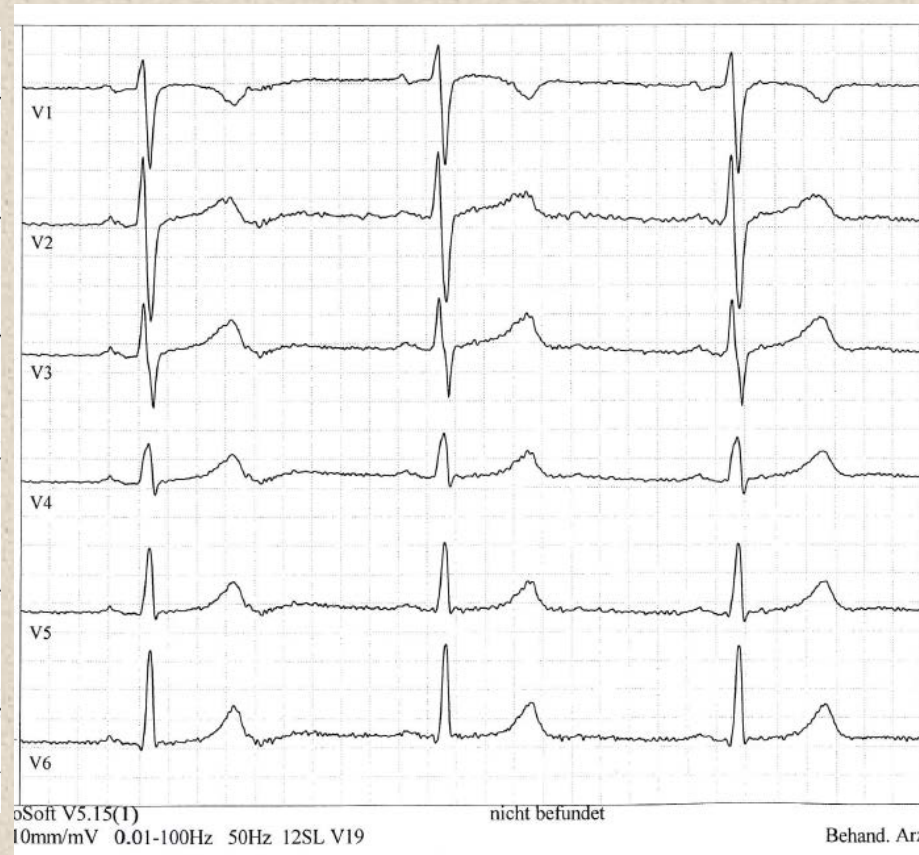
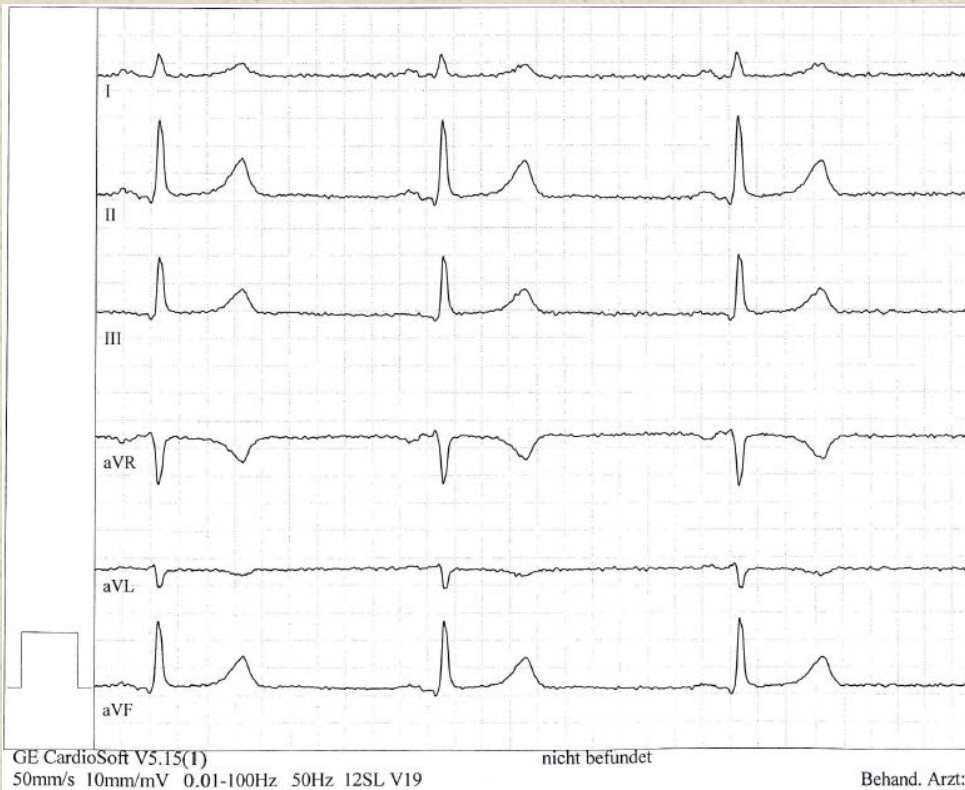
## Case II

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### Family history

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- **Father: sudden death (ghost train)**
  - **Uncle: rec. synope**
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## Case III

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### Admission ICU

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- **Coolgard (48 h)**
  - **No neurological deficit**
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- **Echo normal**
  - **MRI normal**
  - **Ajmaline test: negative**
  - **QT stretch test: negative**





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## Diagnosis?

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- WPW syndrome
  - IVF
  - ER
  - LQTS
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## Case V

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### Implantation of S-ICD

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➤ No medication

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## Case VI

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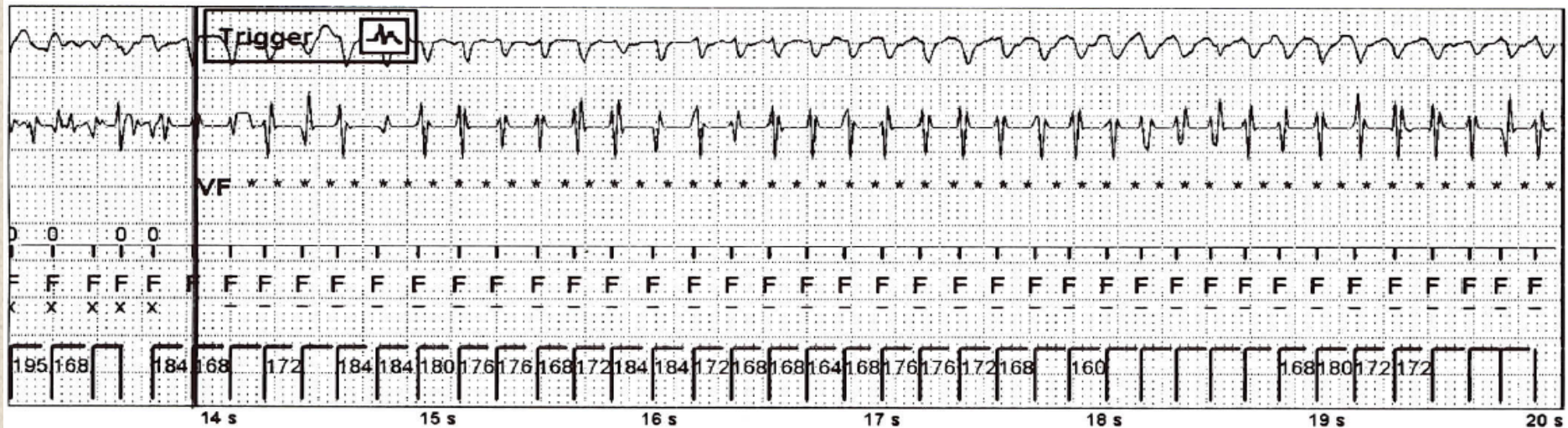
### Follow-up 3 months

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➤ **Syncope during basketball play  
(1 x ICD shock)**

➔ **Referral to UMM**

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VT/VF-Episode 2 von 3 Seite 2 von 3  
11 Jul 2012 9:08



# Episode: VF (387 min<sup>-1</sup> / 155 ms) (Forts.)

10 Jun 2012 9:55

VT/VF-Episode 2 von 3

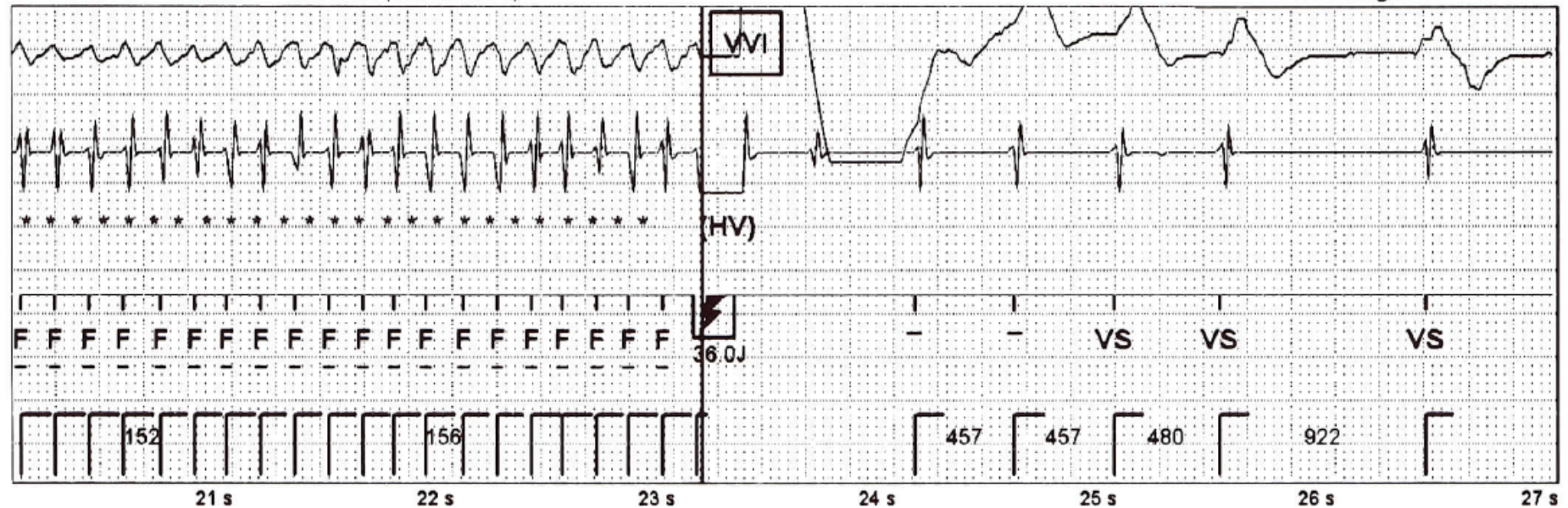
Seite 3 von 3

1: RV-Wendel-Geh. AutoGain (0.8 mm/mV)

3: Marker

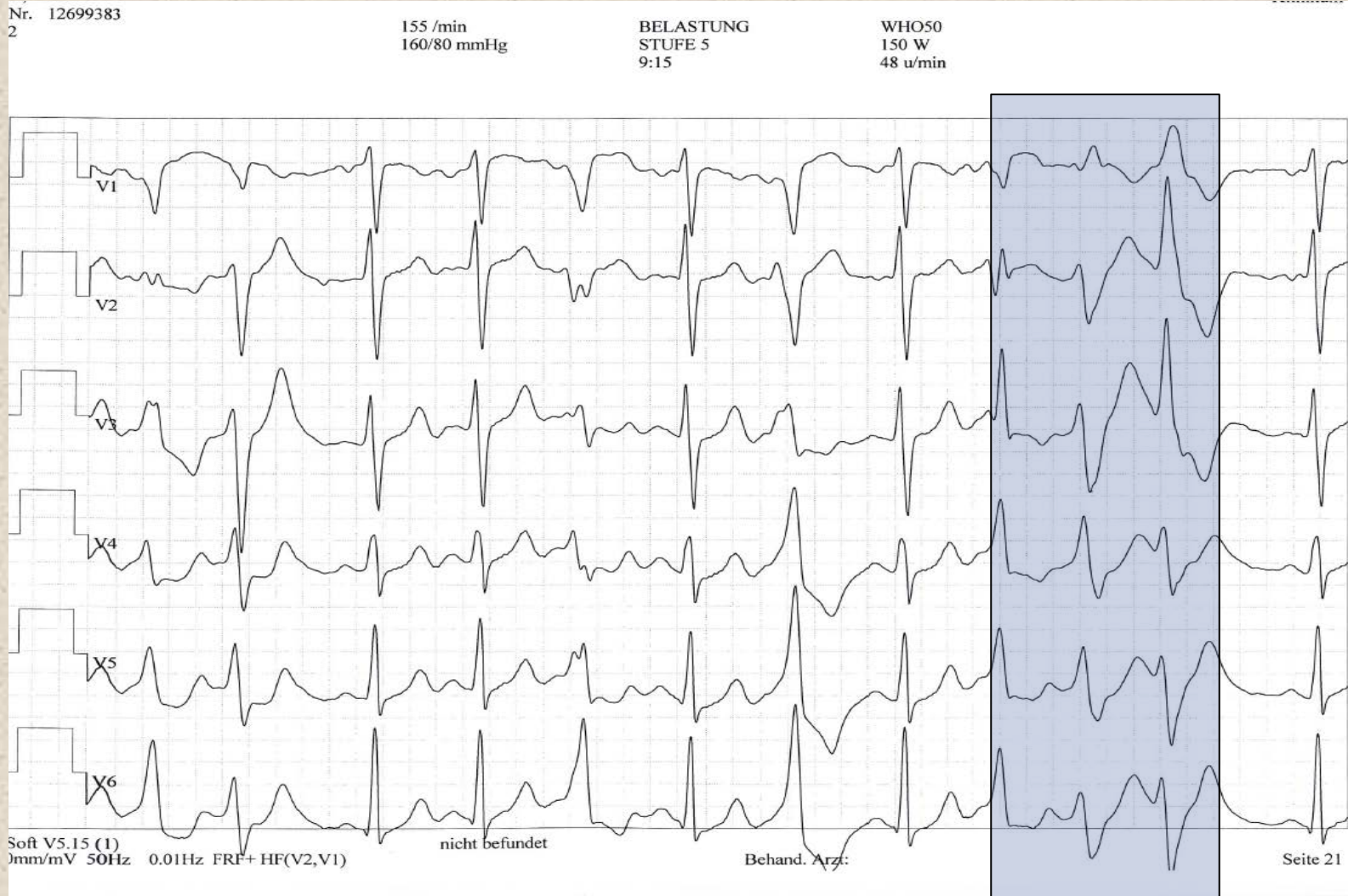
2: V Wahrn. Verstärker AutoGain (0.4 mm/mV)

Schreibgeschw.: 25 mm/s

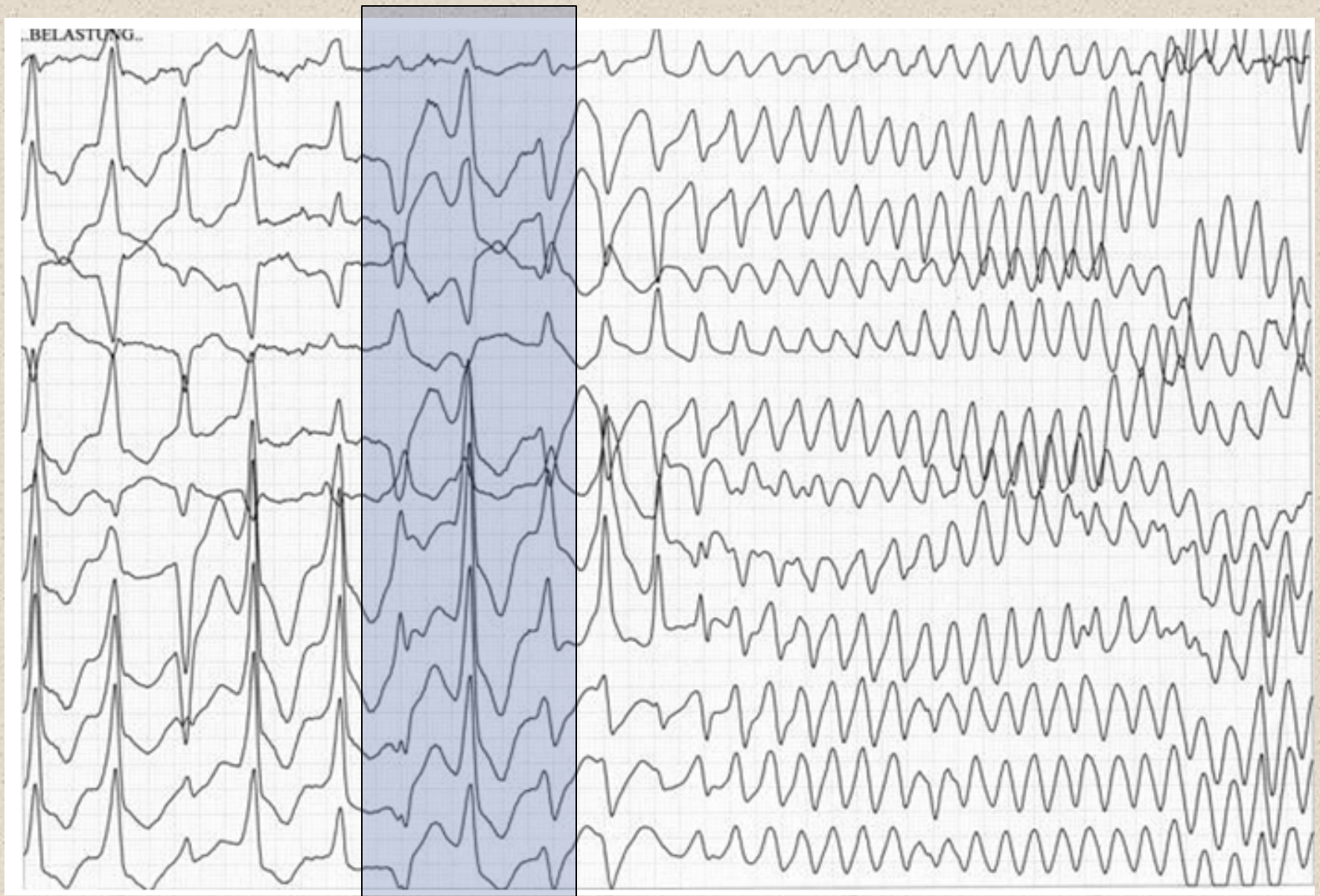




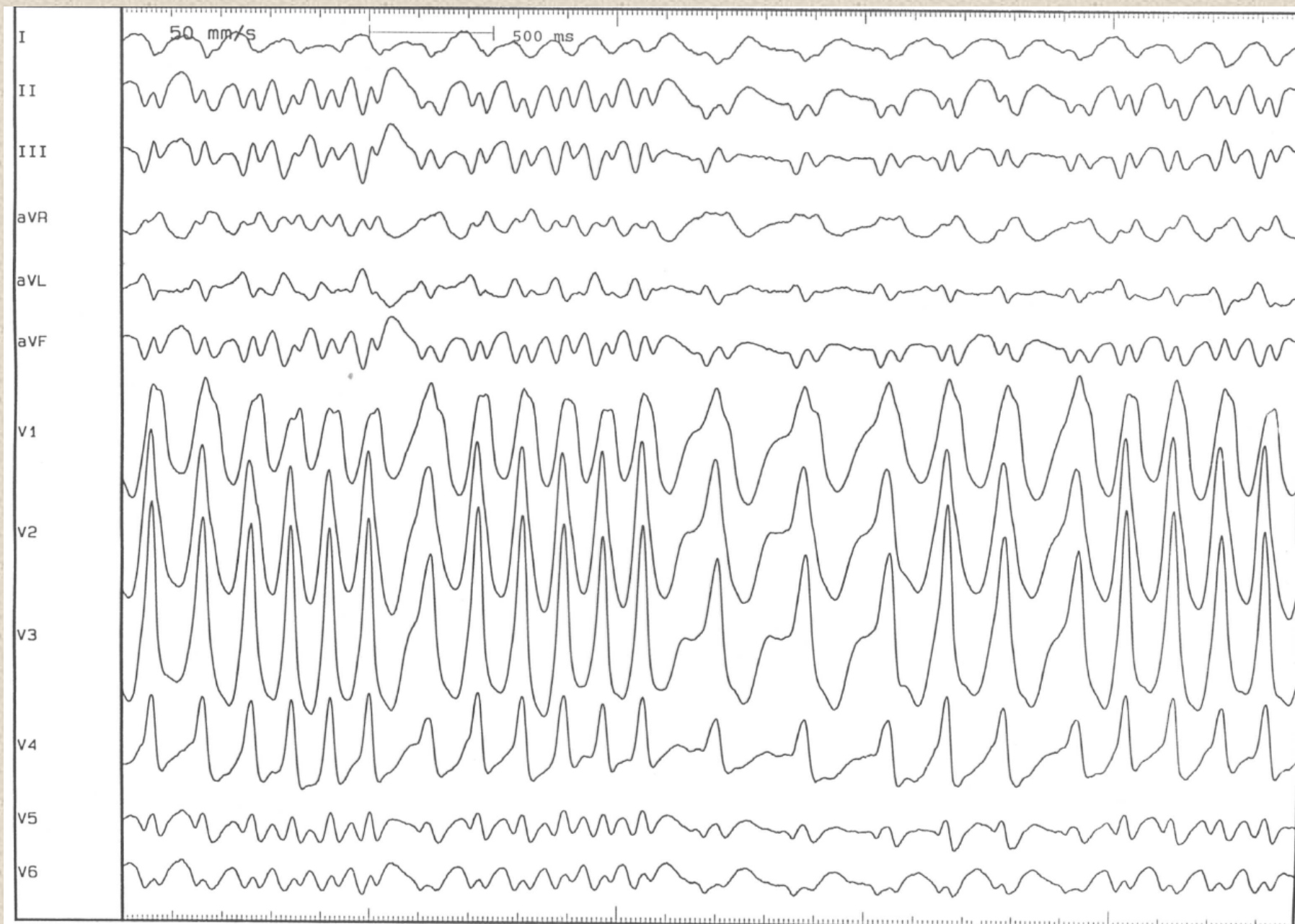
## Exercise test



## Exercise test

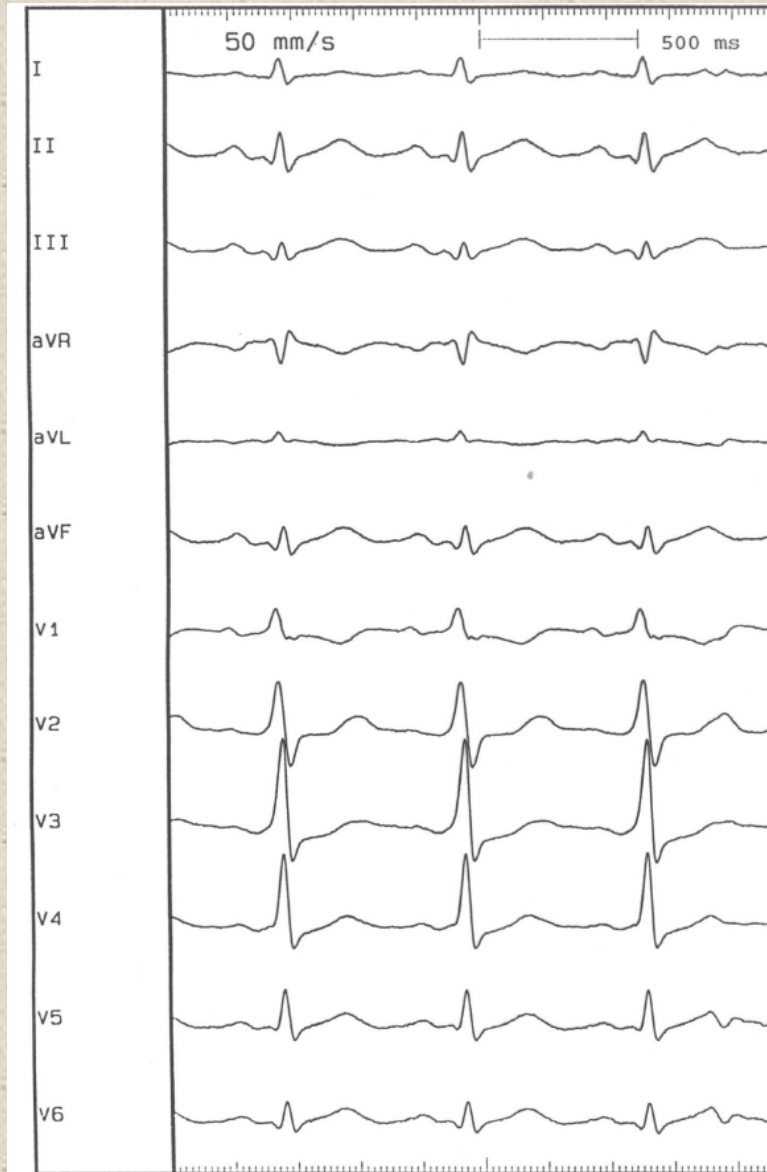




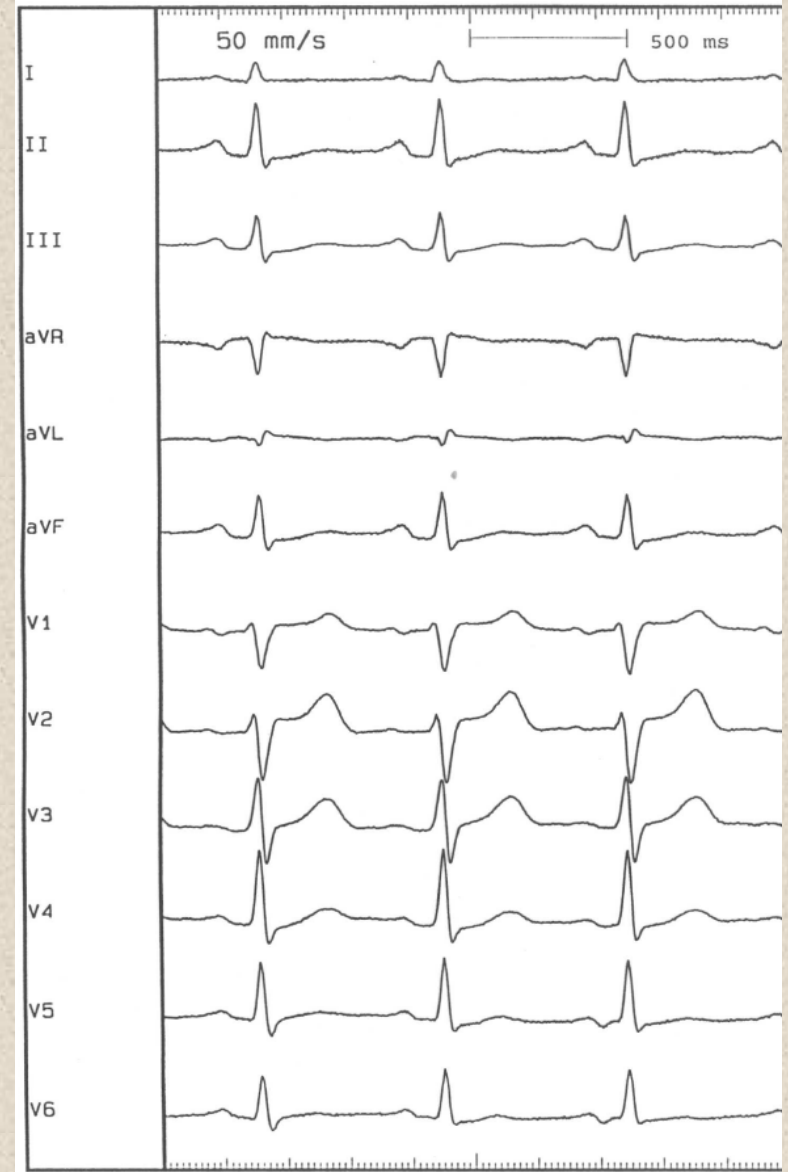




**pre**



**post**

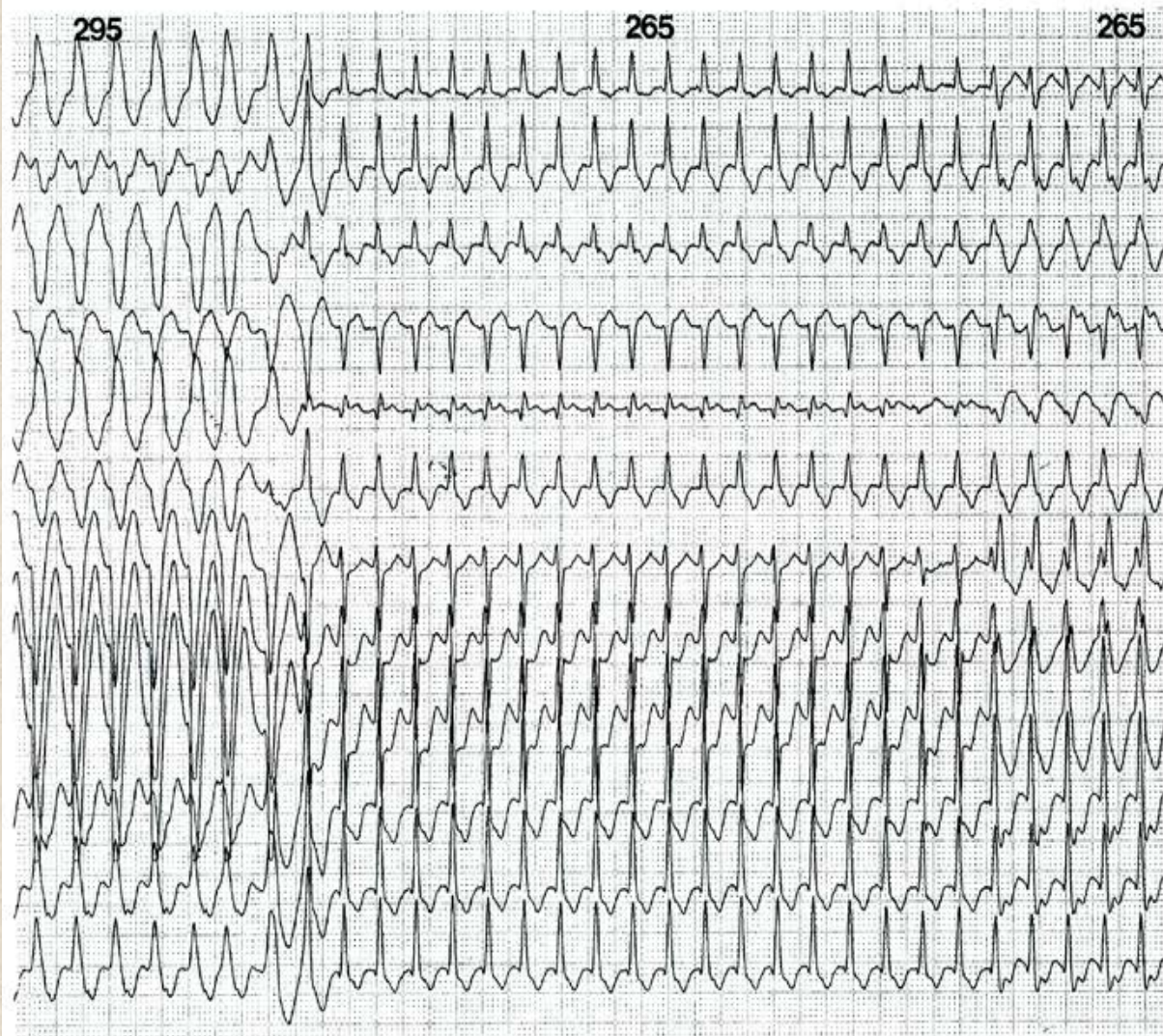






- 1. Antidromic tachycardia using a right lateral pathway**
- 2. Concealed right side accessory pathway**
- 3. Concealed left lateral accessory pathway**
- 4. Ventricular tachycardia**





LB BB

no BB

RB BB

