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graph TD; A([ECG recording]) --> B[Pre processing<br/>• QRS detection<br/>• Template detection<br/>• Artifacts rejection<br/>• Removal of baseline wandering<br/>• ST segment detection]; B --> C[Data preparation<br/>• ST segment length Reduction<br/>• Subtraction from the template]; C --> D[Beat detection<br/>• Neural network based classification];
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ECG recording

Pre processing

- QRS detection
- Template detection
- Artifacts rejection
- Removal of baseline wandering
- ST segment detection

Data preparation

- ST segment length Reduction
- Subtraction from the template

Beat detection

- Neural network based classification