

An Ensemble Deep Learning Algorithm for Structural Heart Disease Screening Using Electrocardiographic Images: PRESENT SHD

Online Supplement 2

**Examples of electrocardiogram formats used for model development,
evaluation to mimic real-world variation.**

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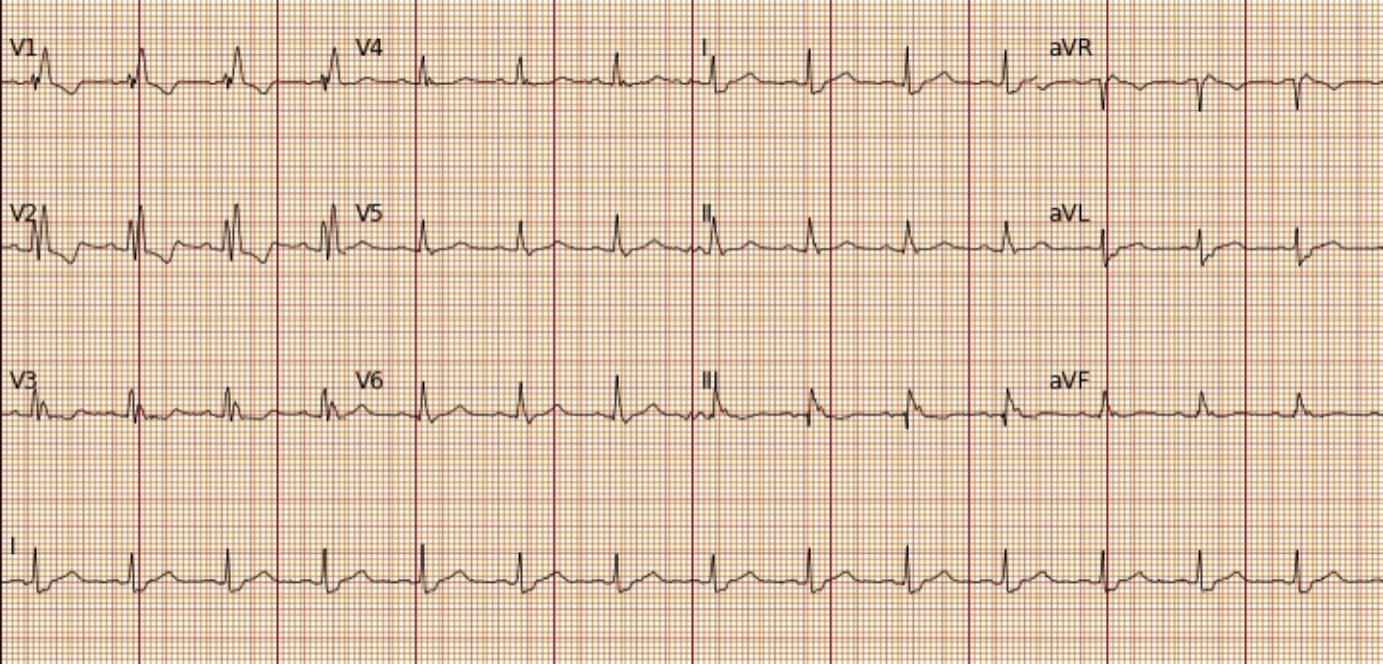
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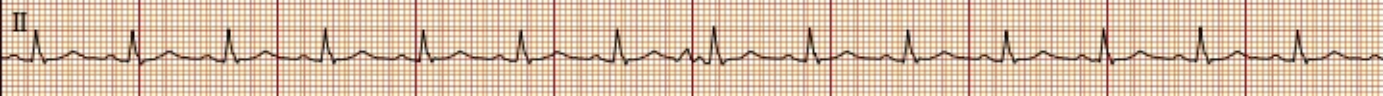
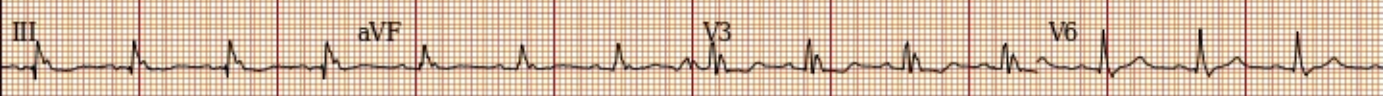
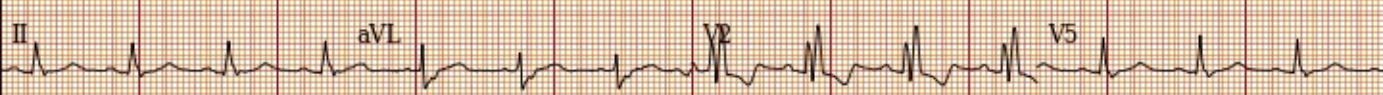
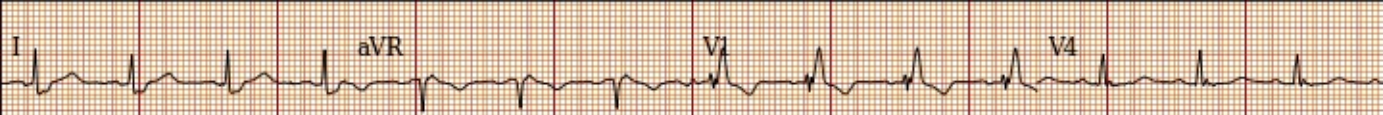
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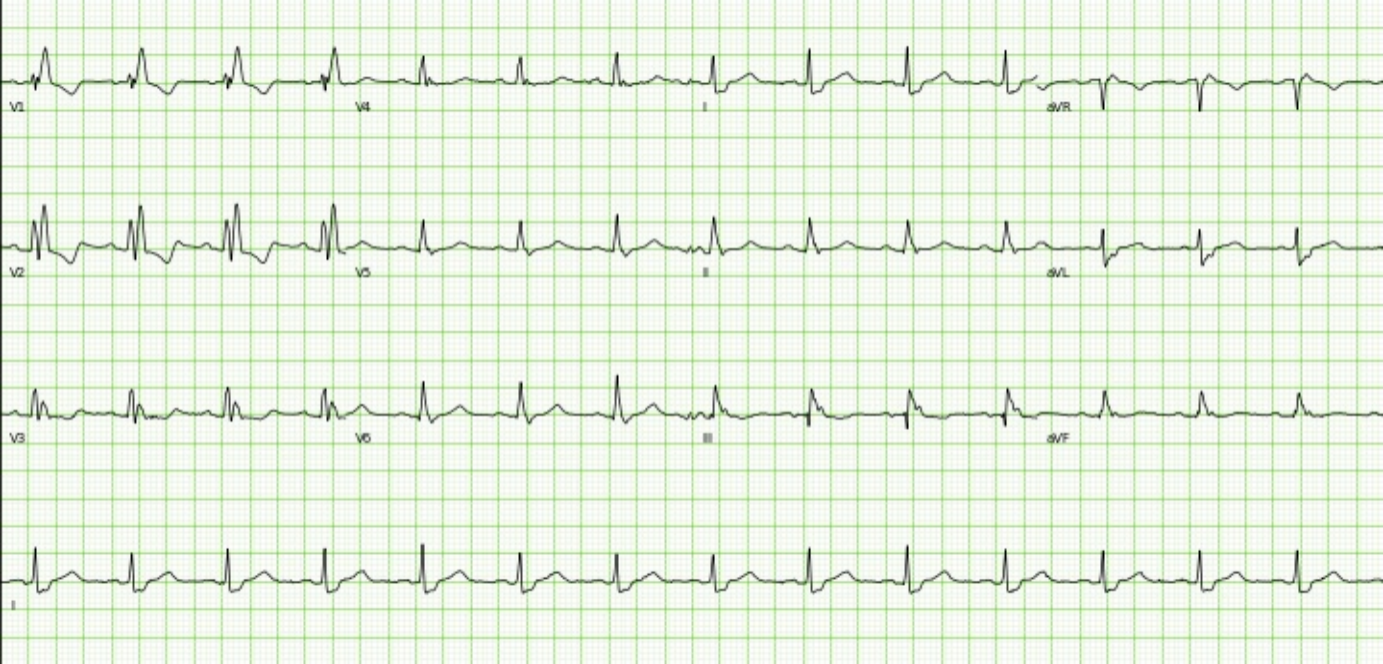
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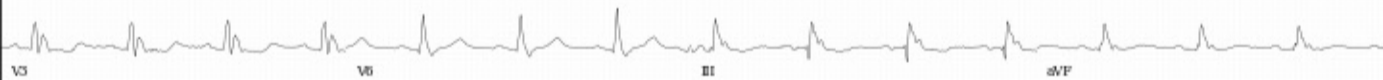
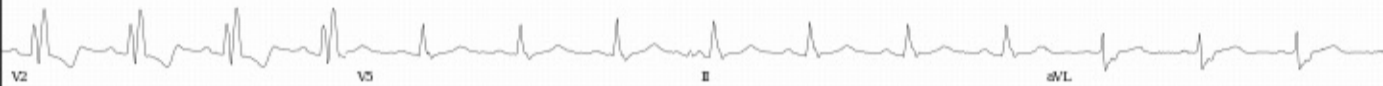
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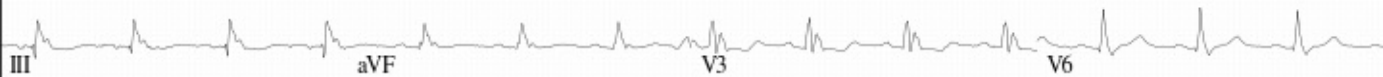
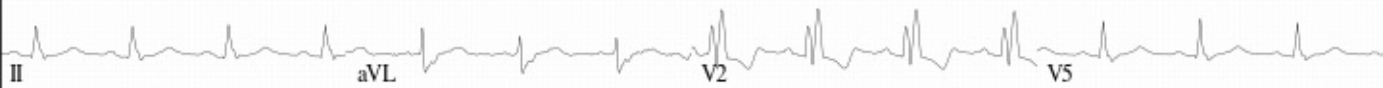
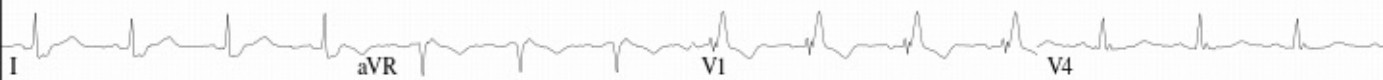
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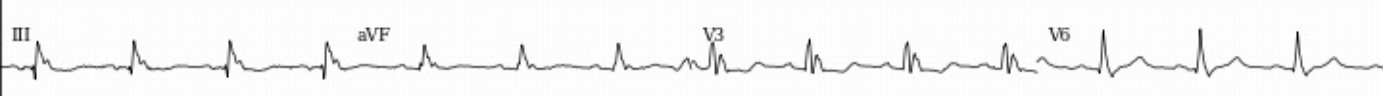
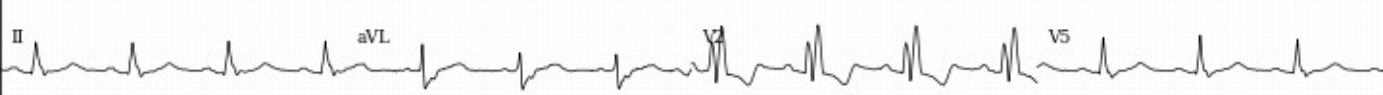
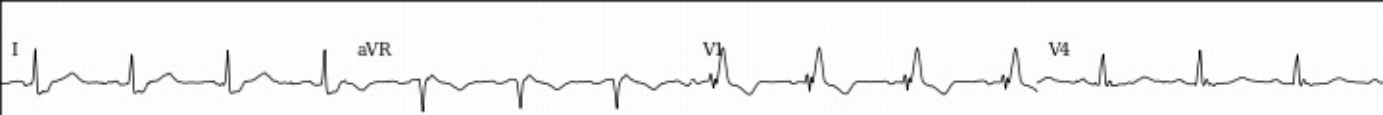


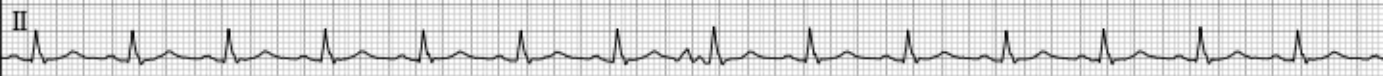
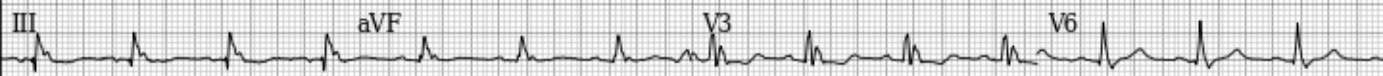
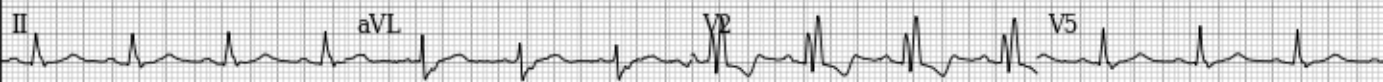




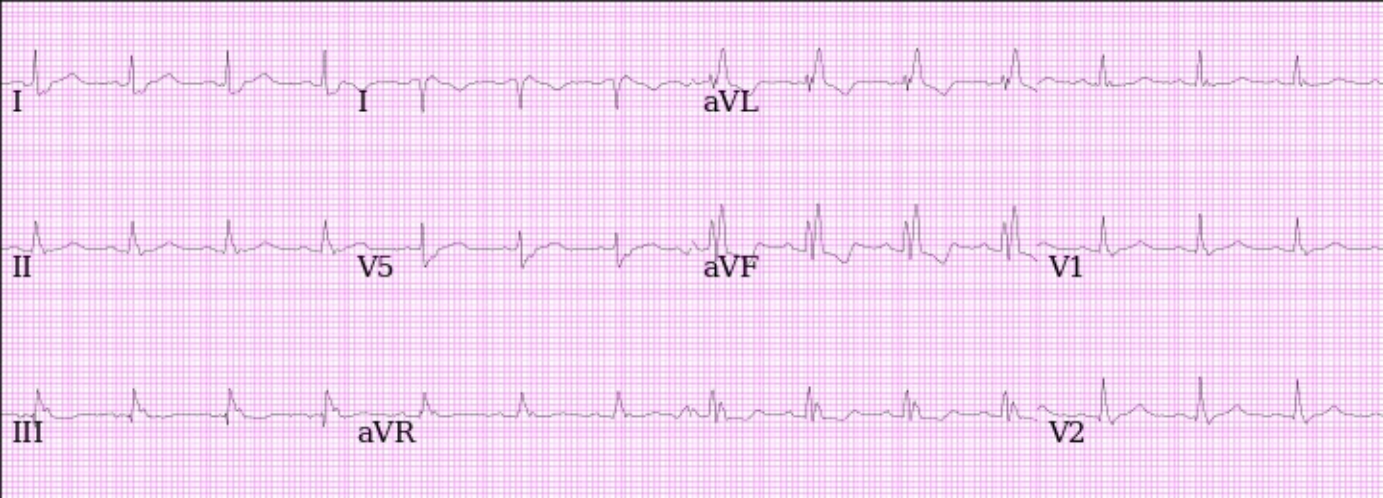


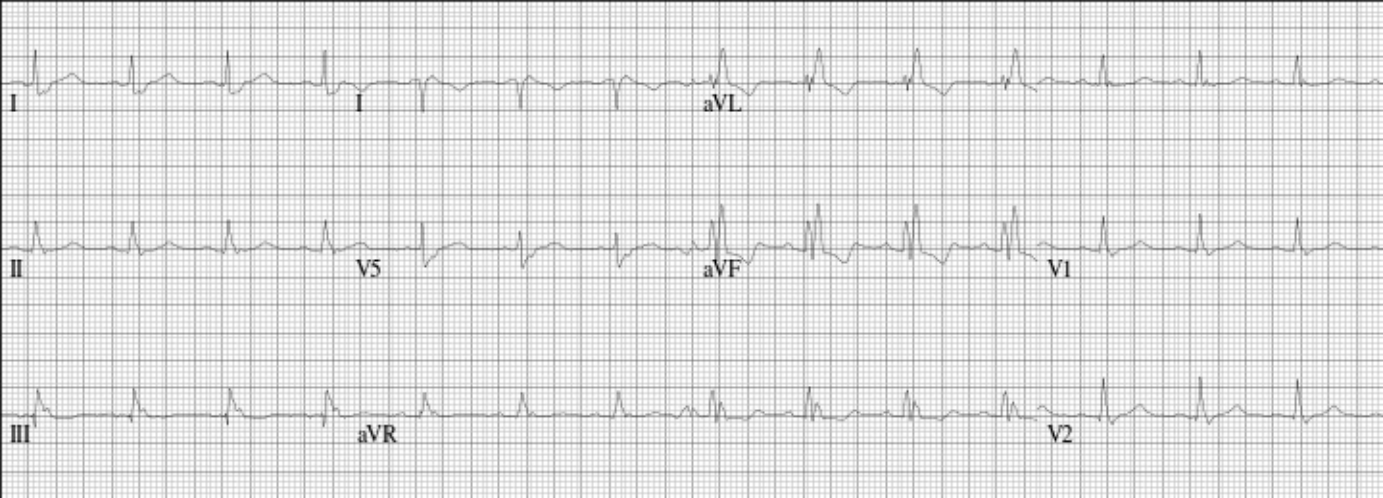










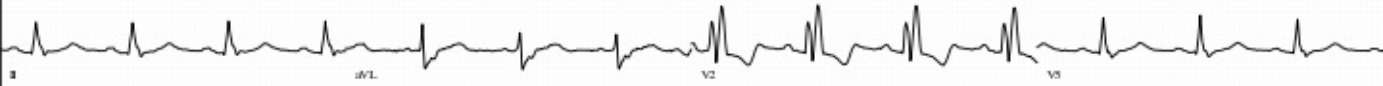




aVR

V1

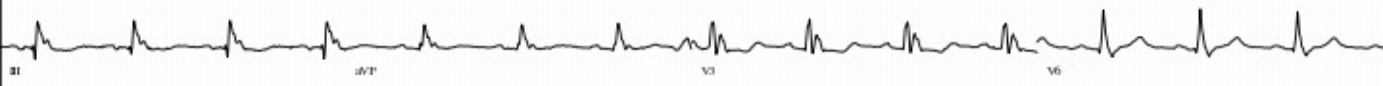
V4



aVL

V2

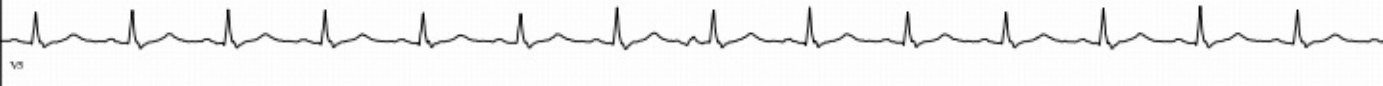
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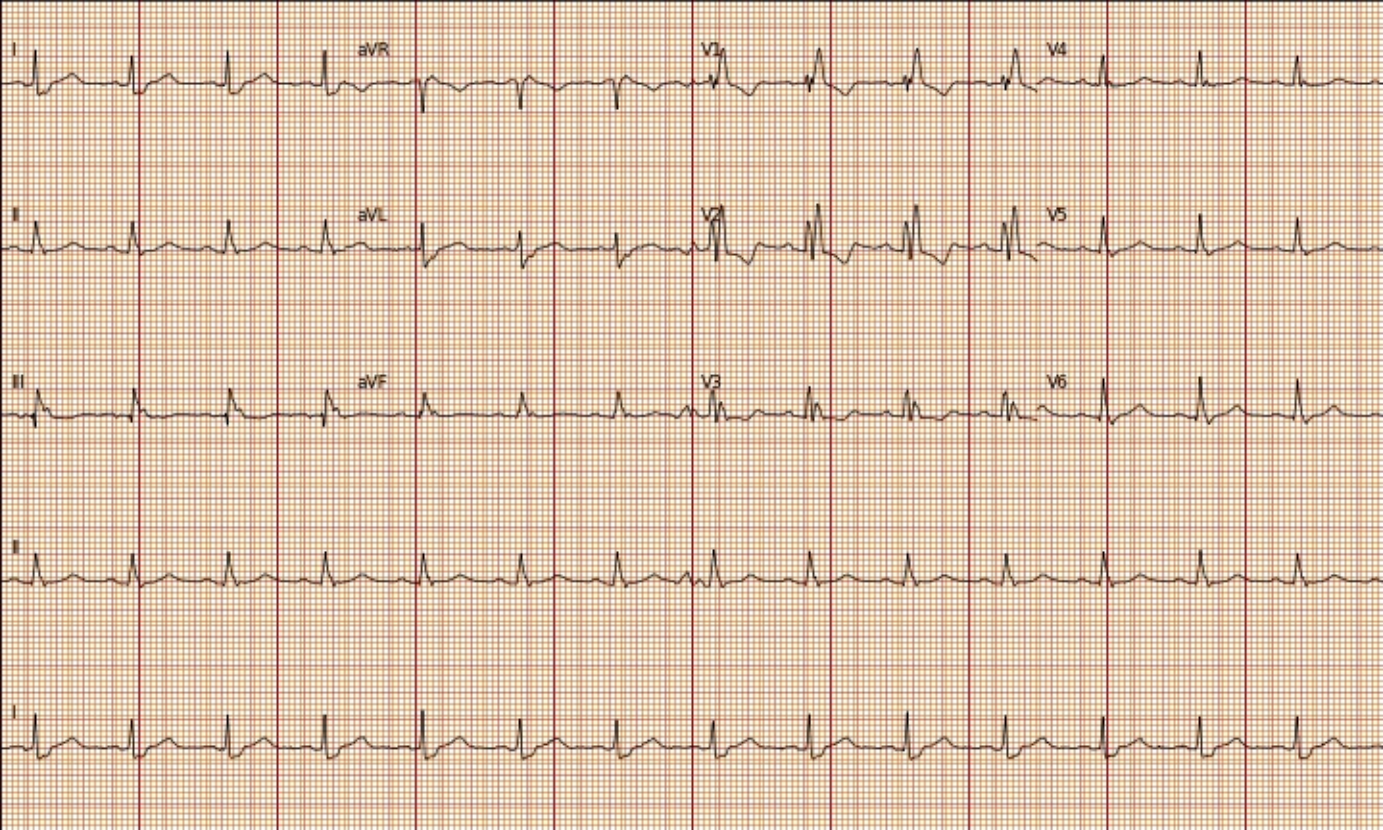


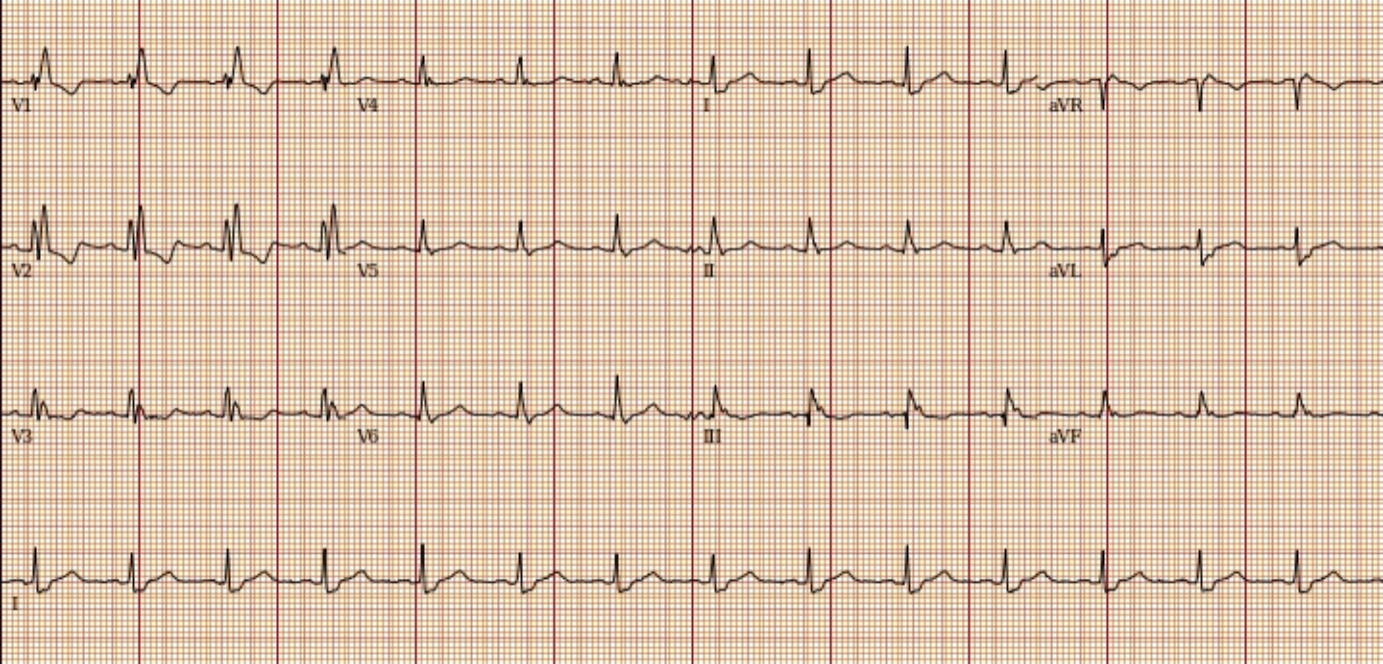
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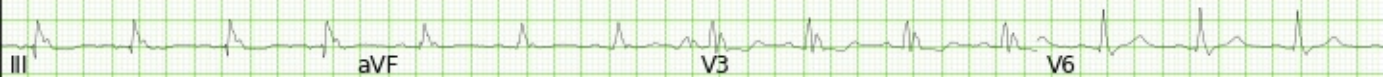
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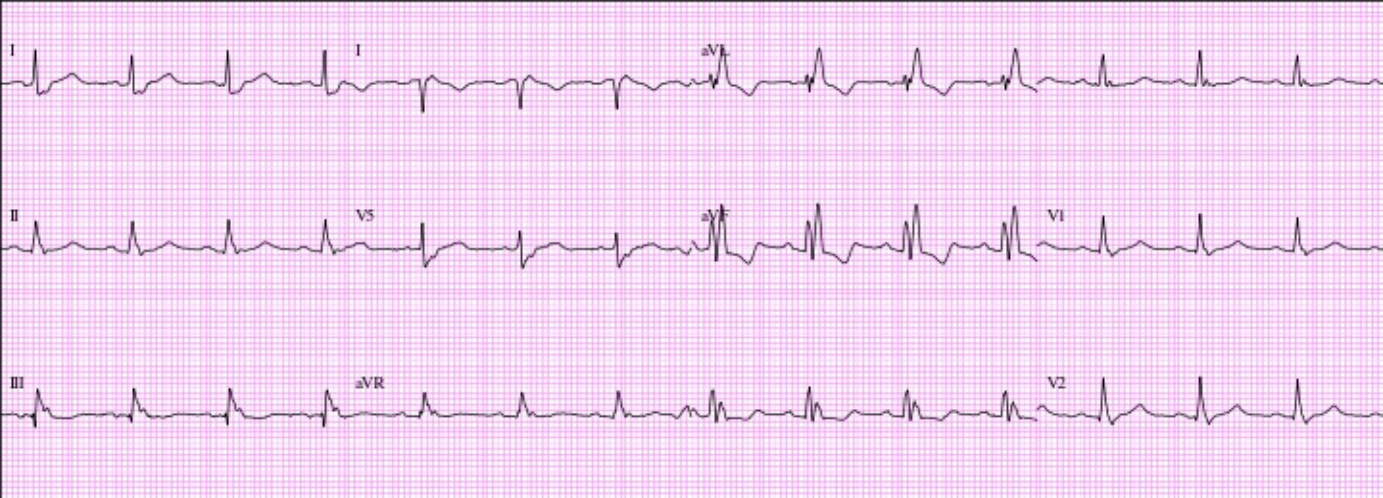
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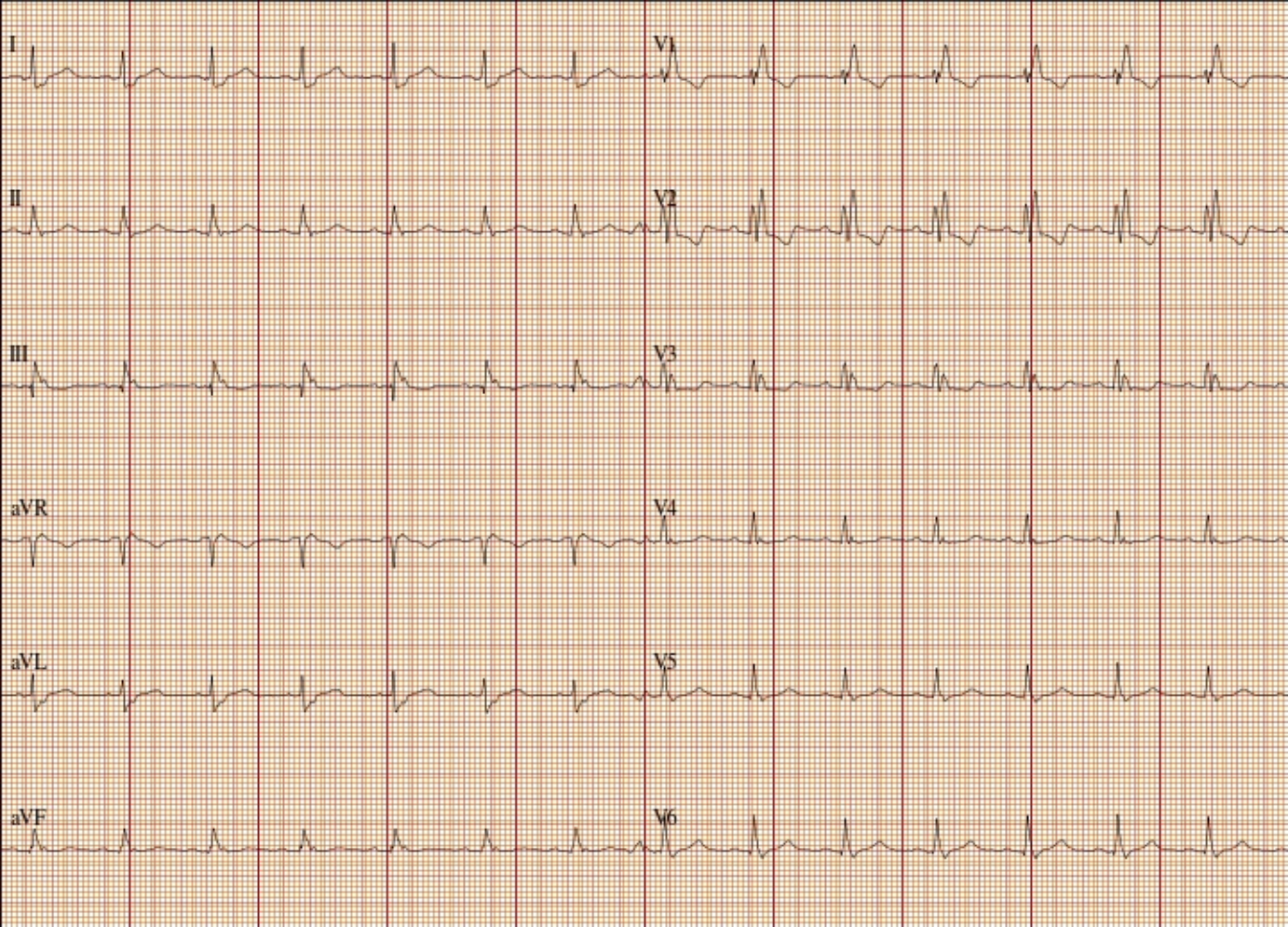


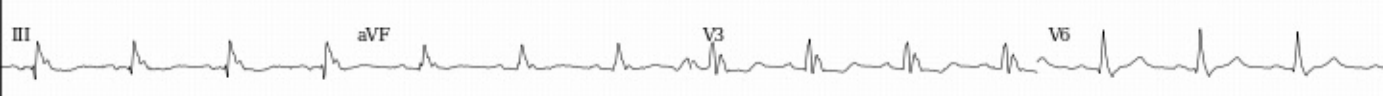
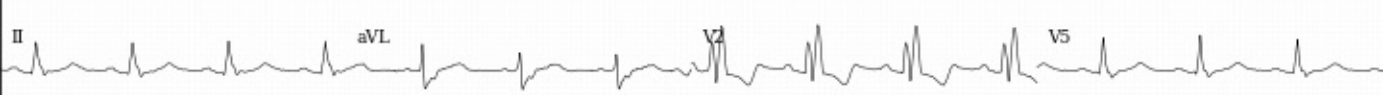
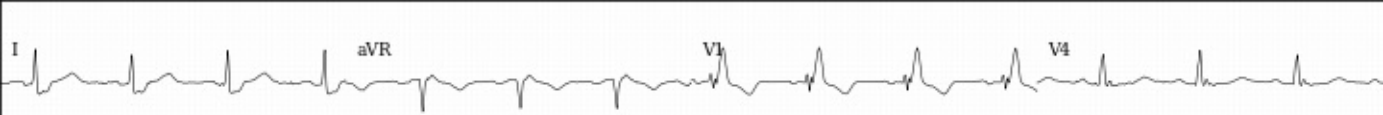


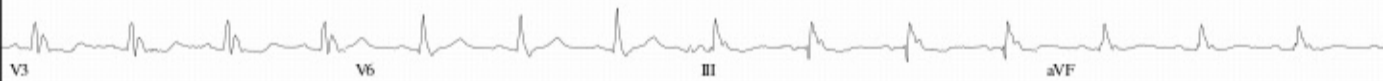
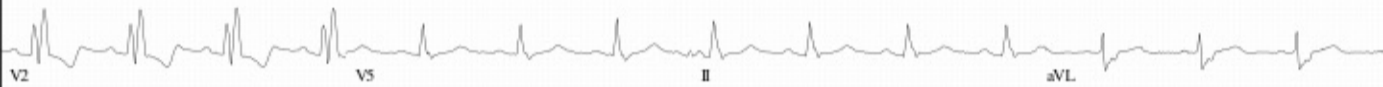






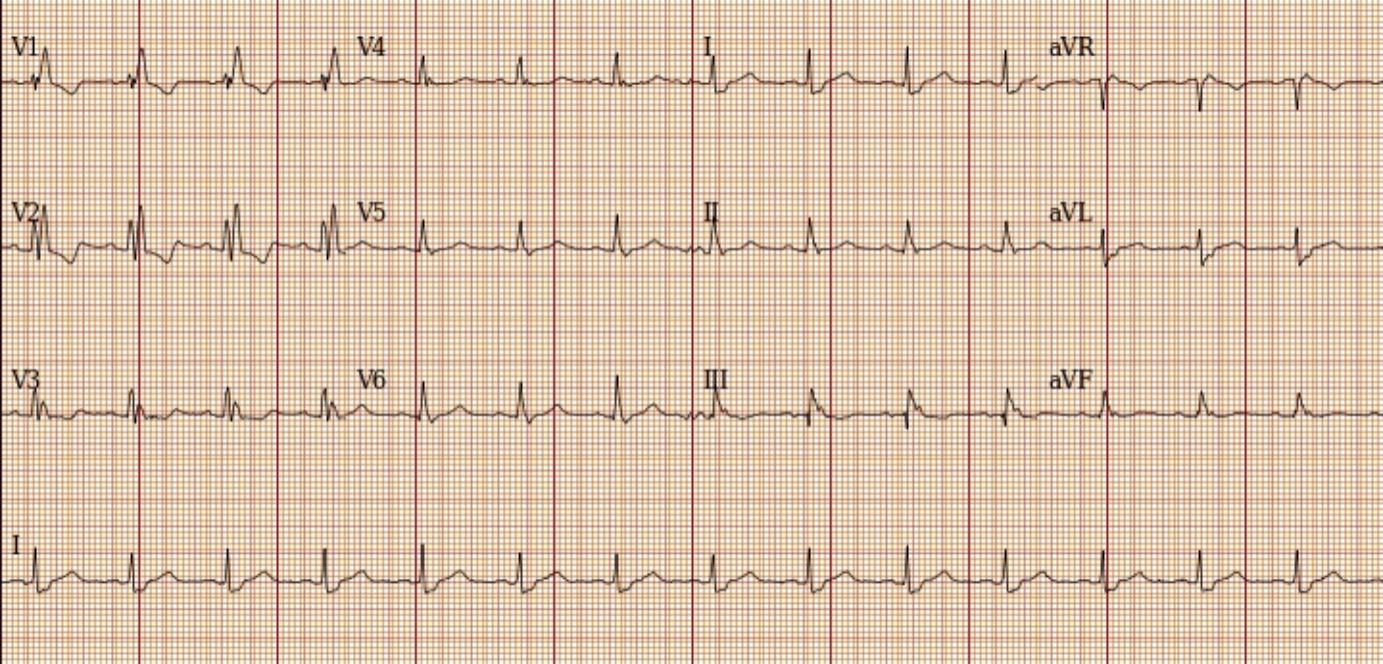


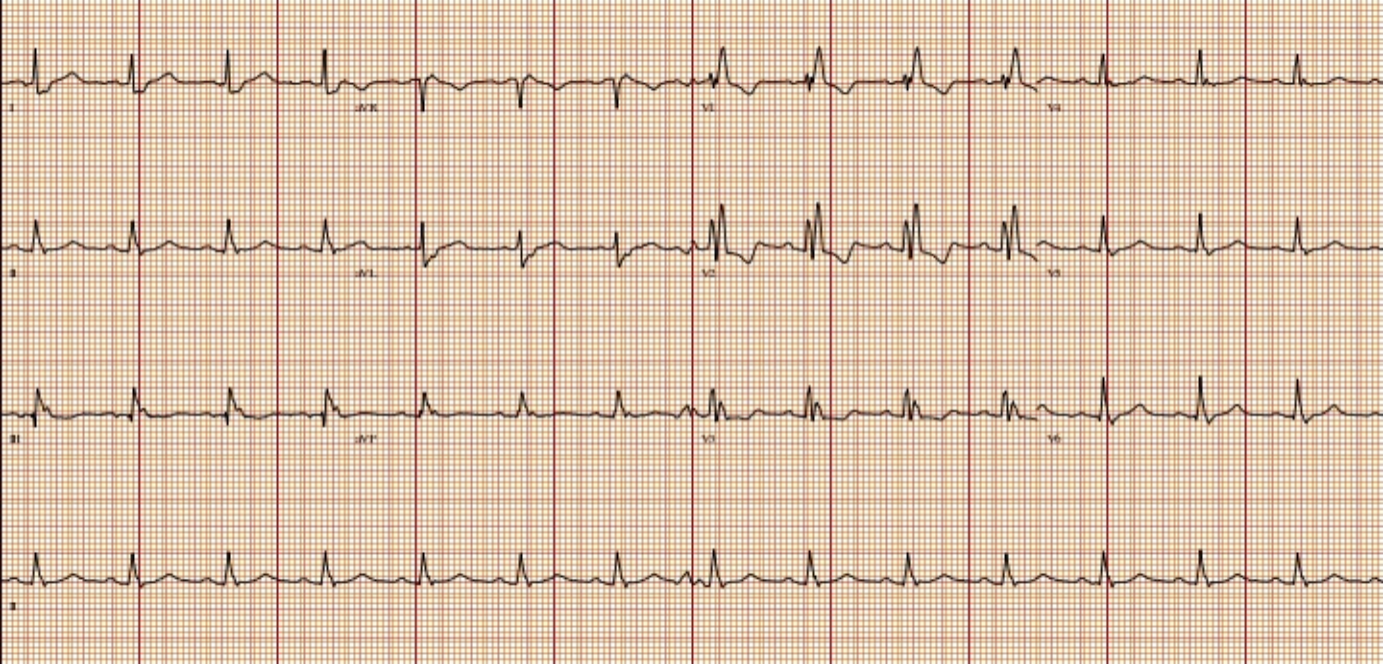


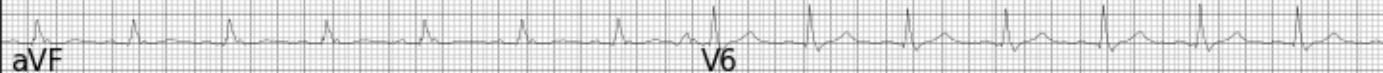
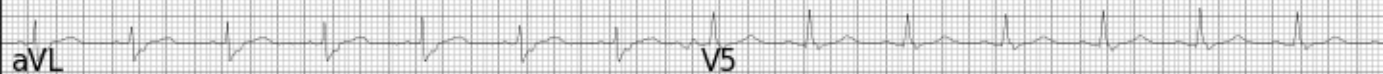
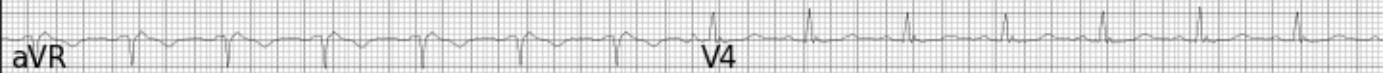
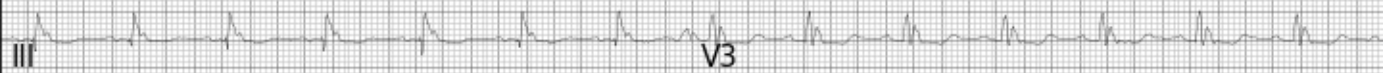
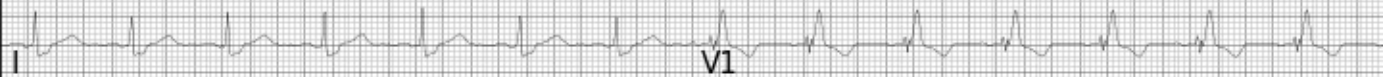


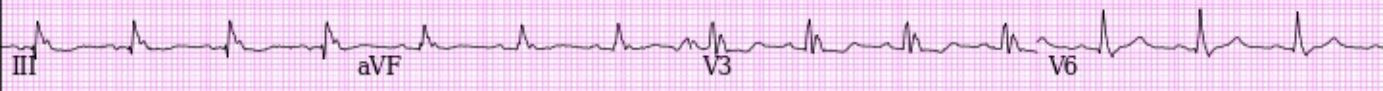
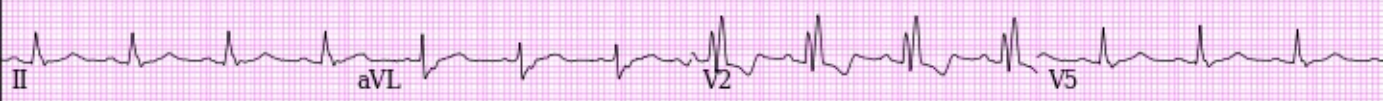


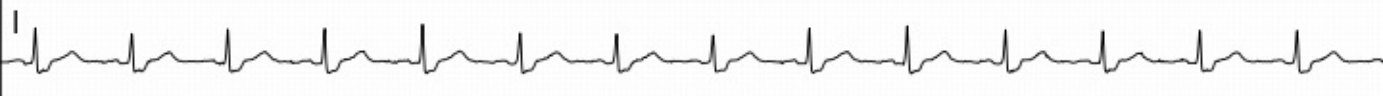
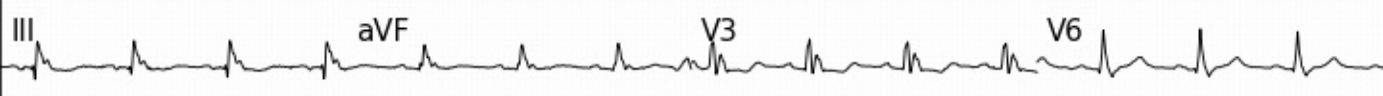
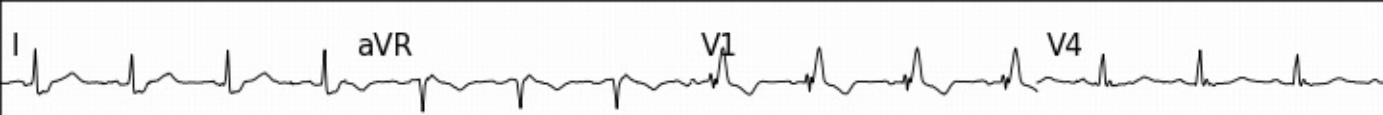


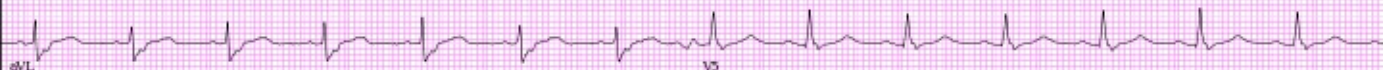
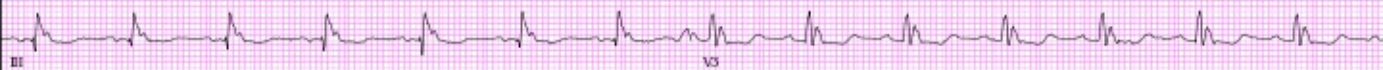


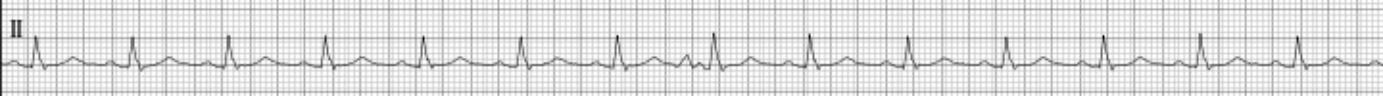
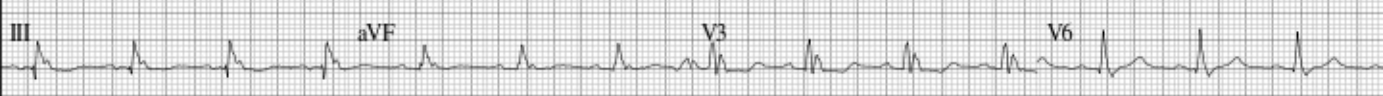
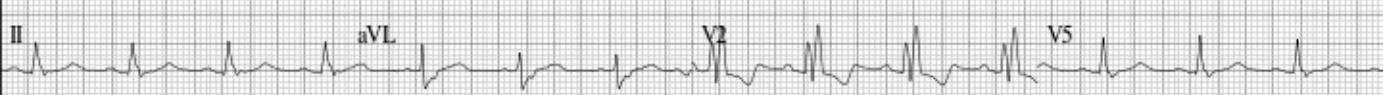




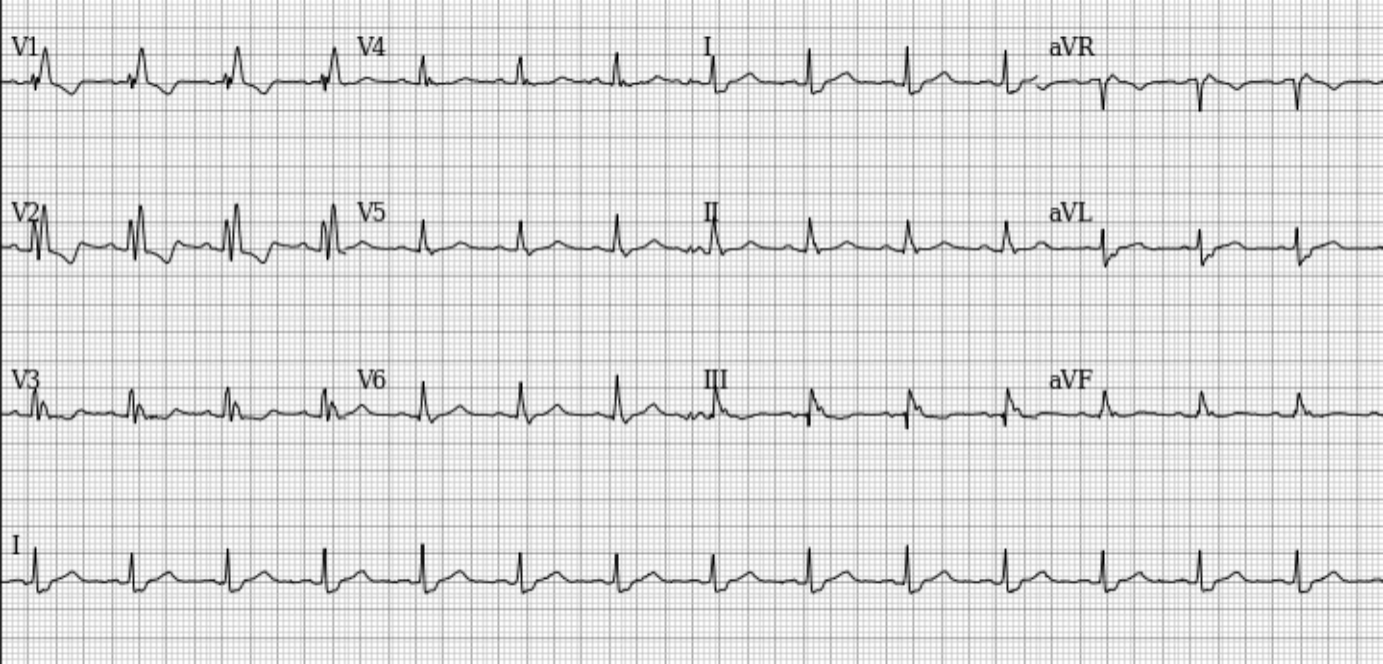


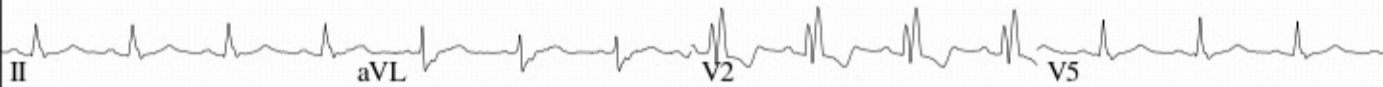


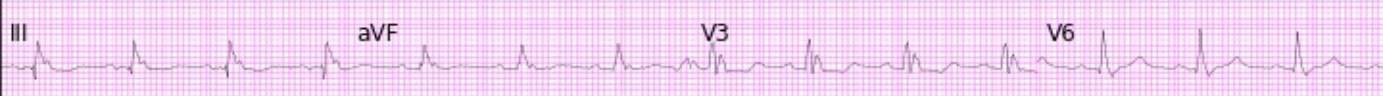




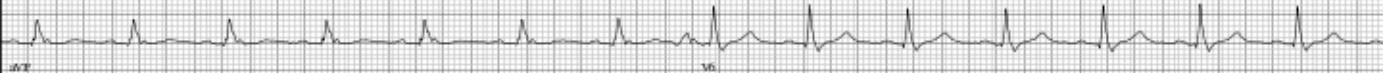
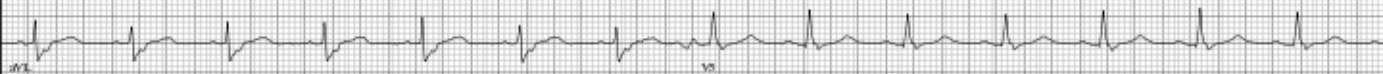
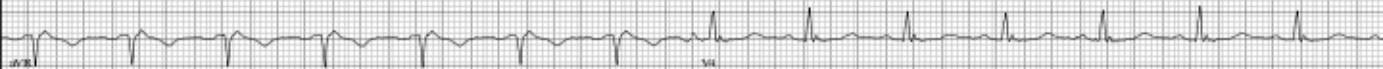
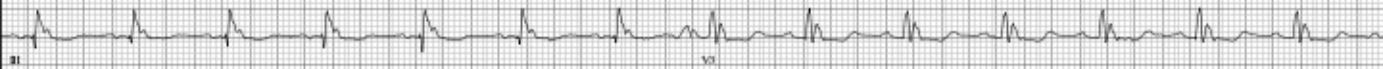
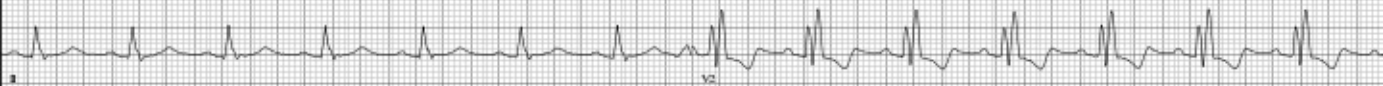
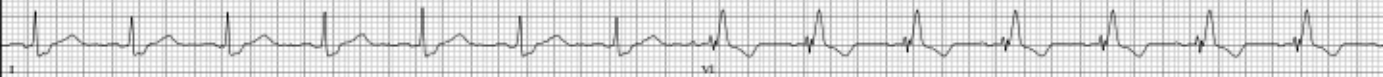


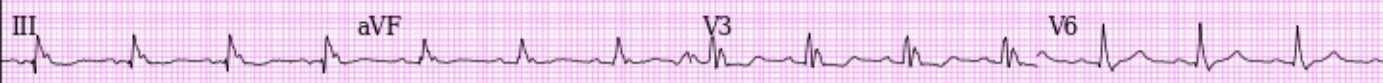


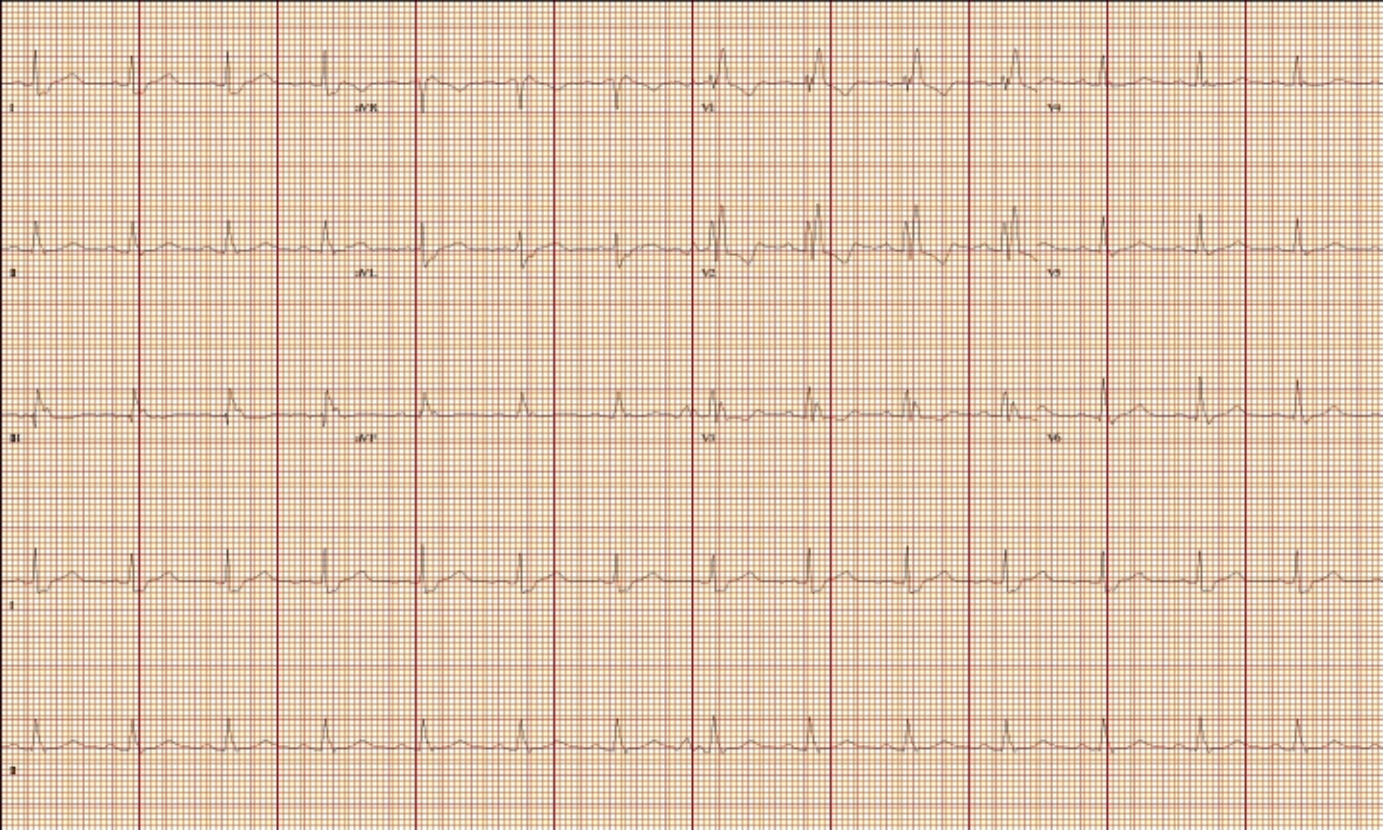


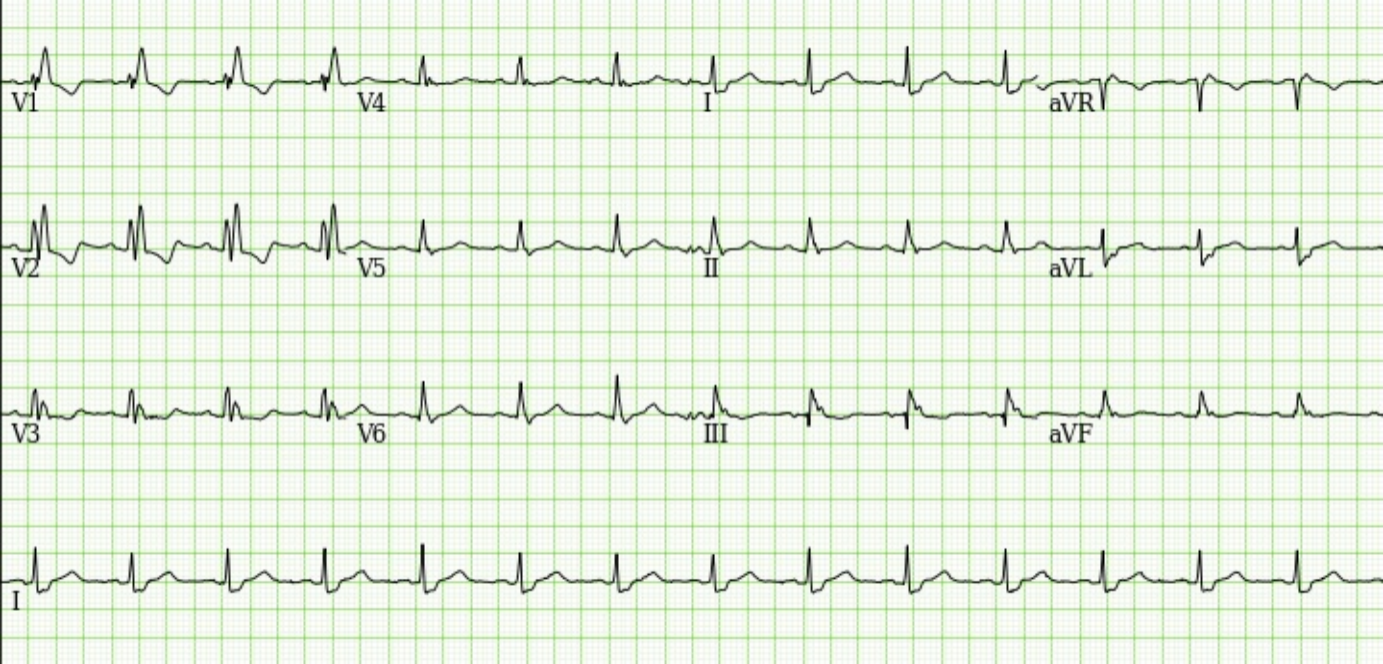


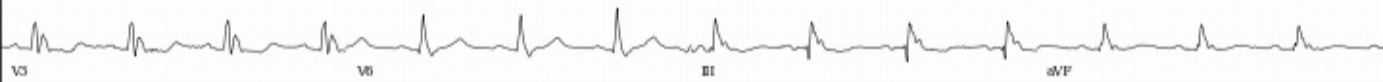
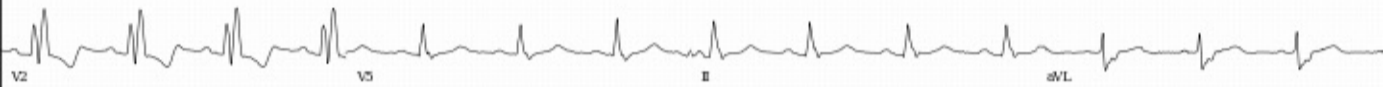


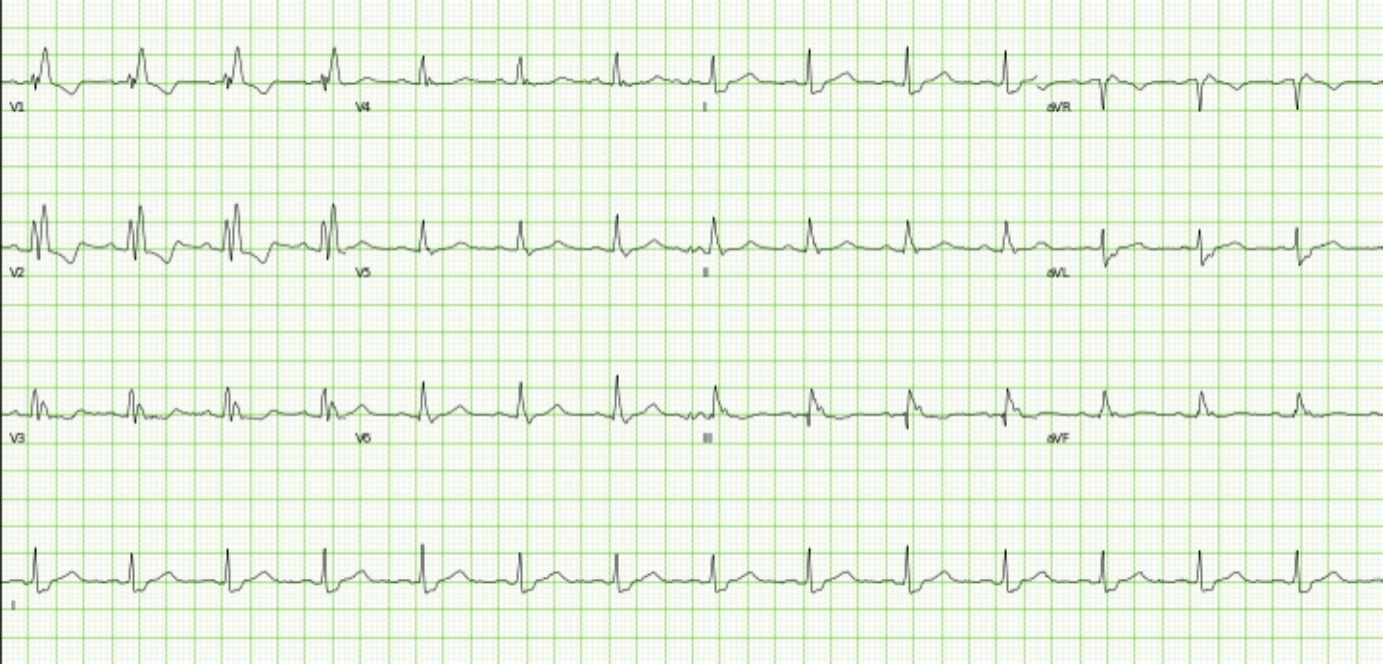


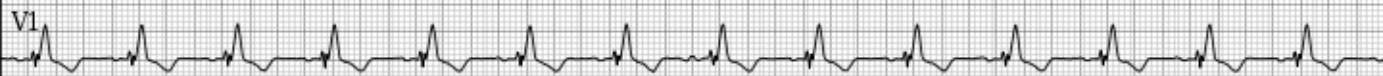
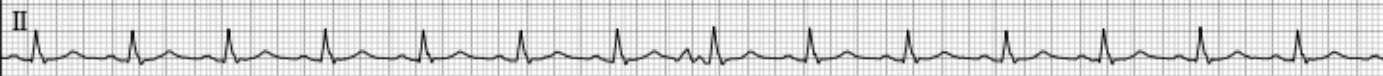
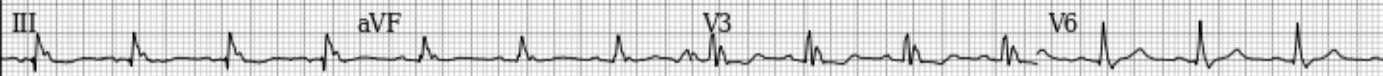
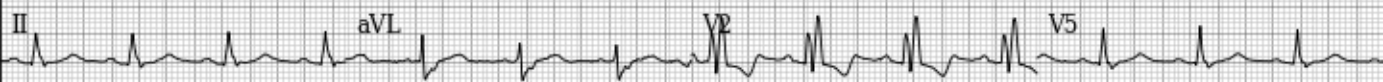
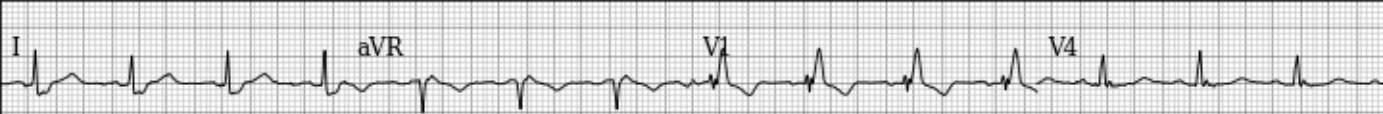




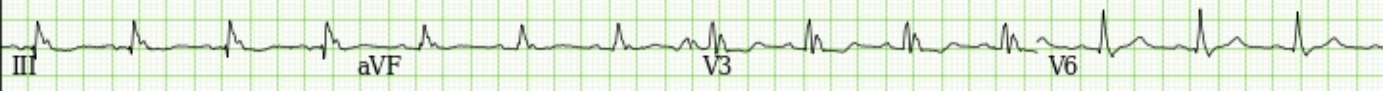
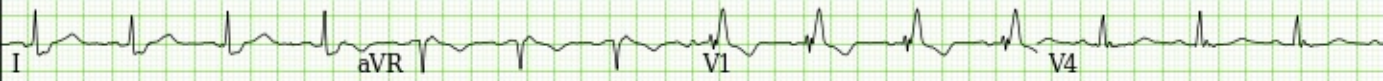


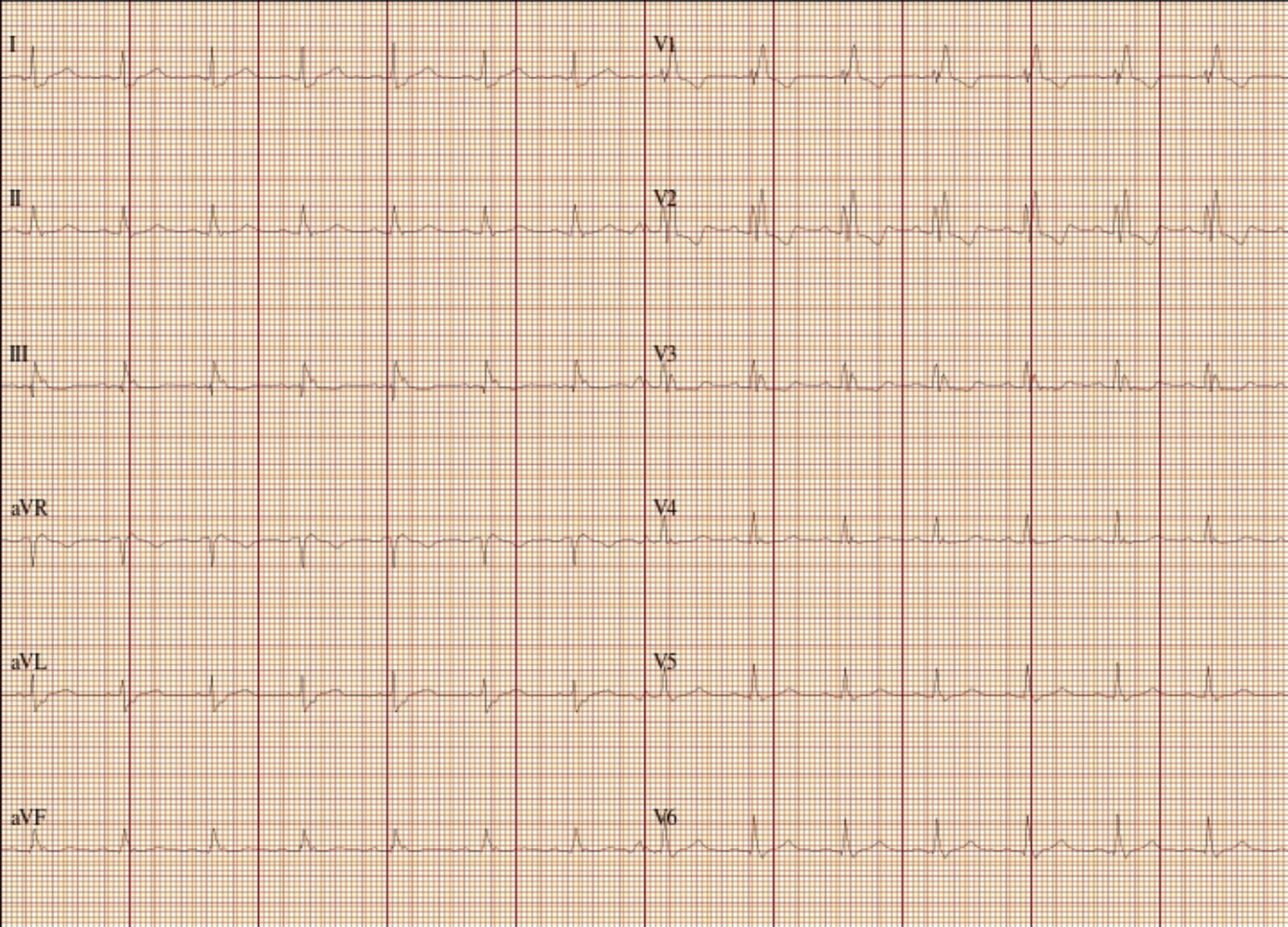


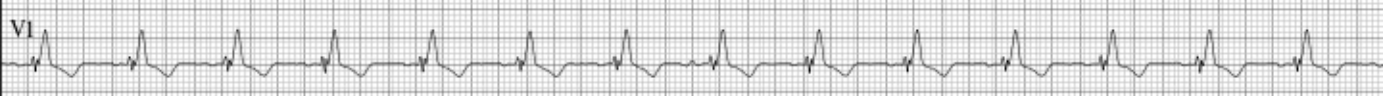
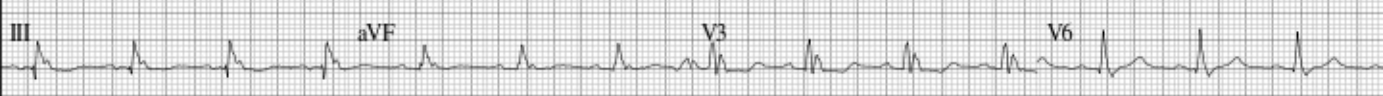
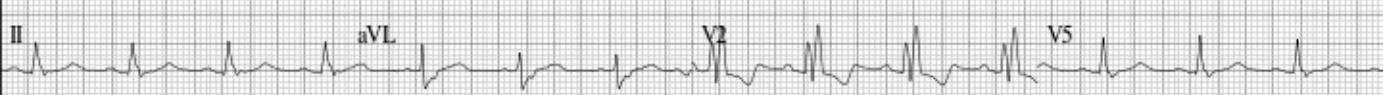


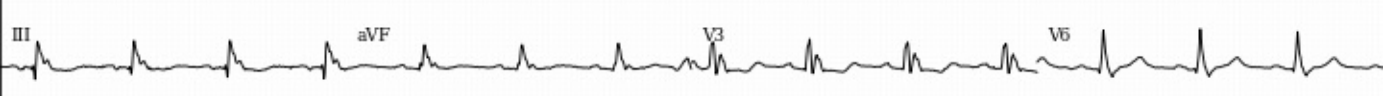
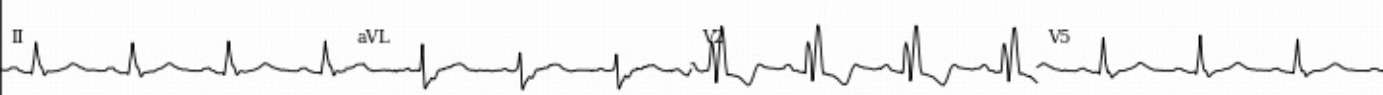
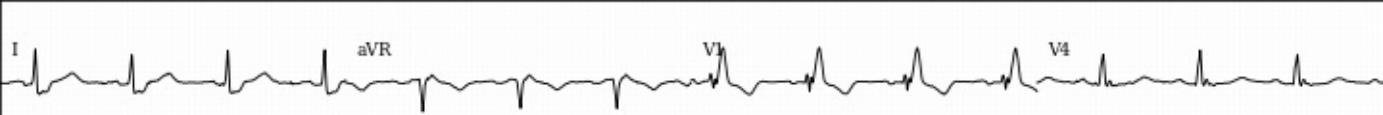


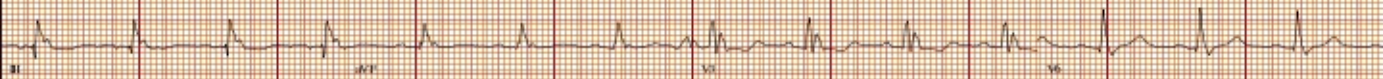
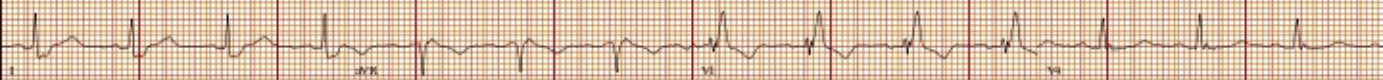


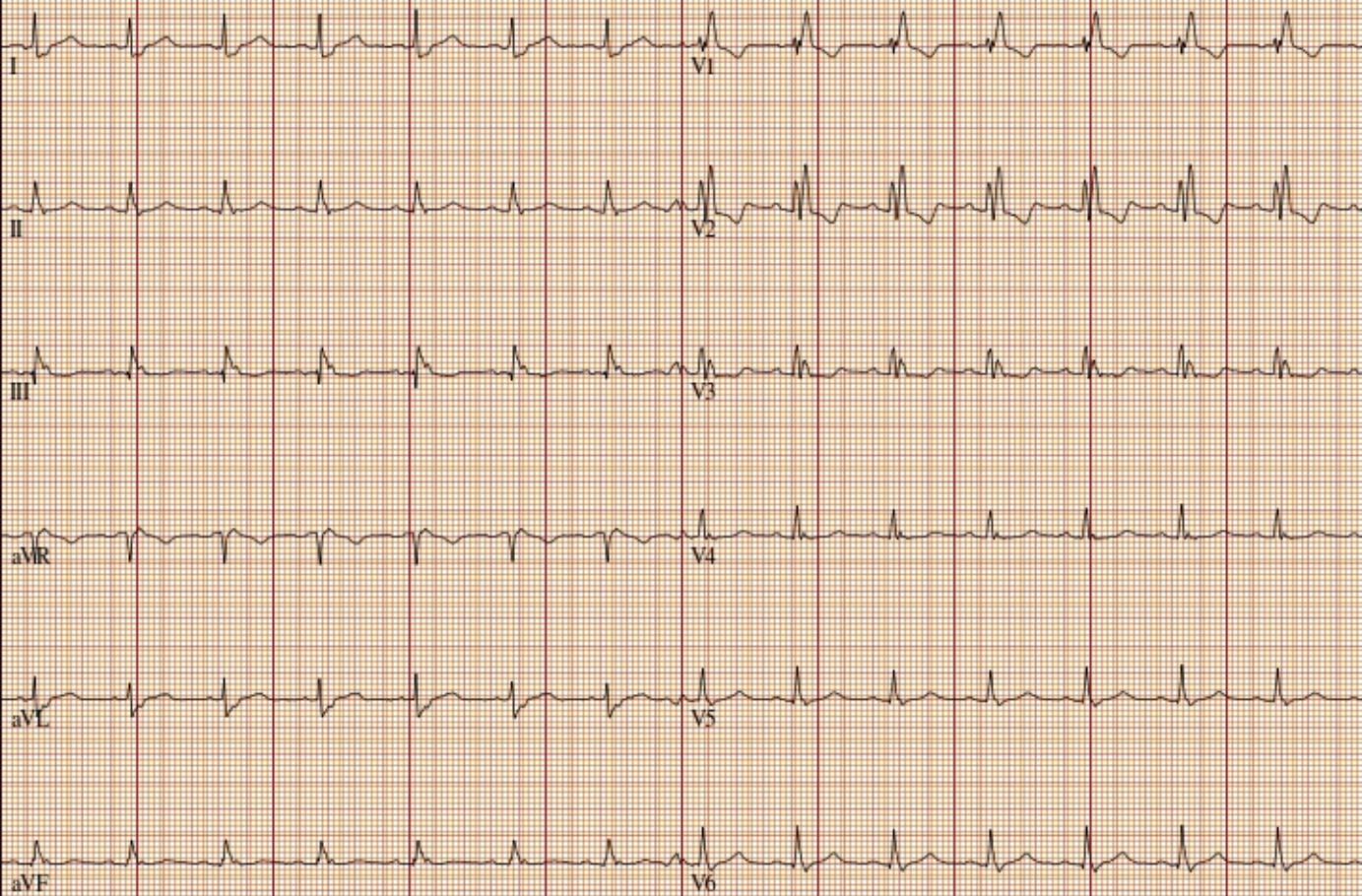


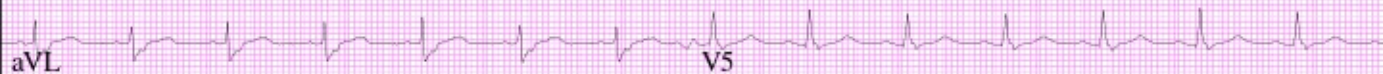
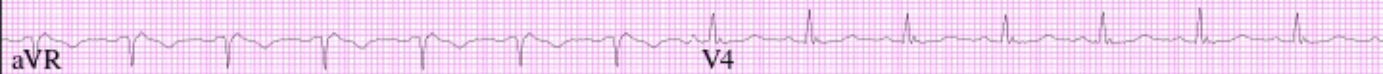
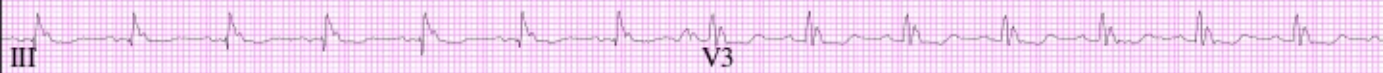


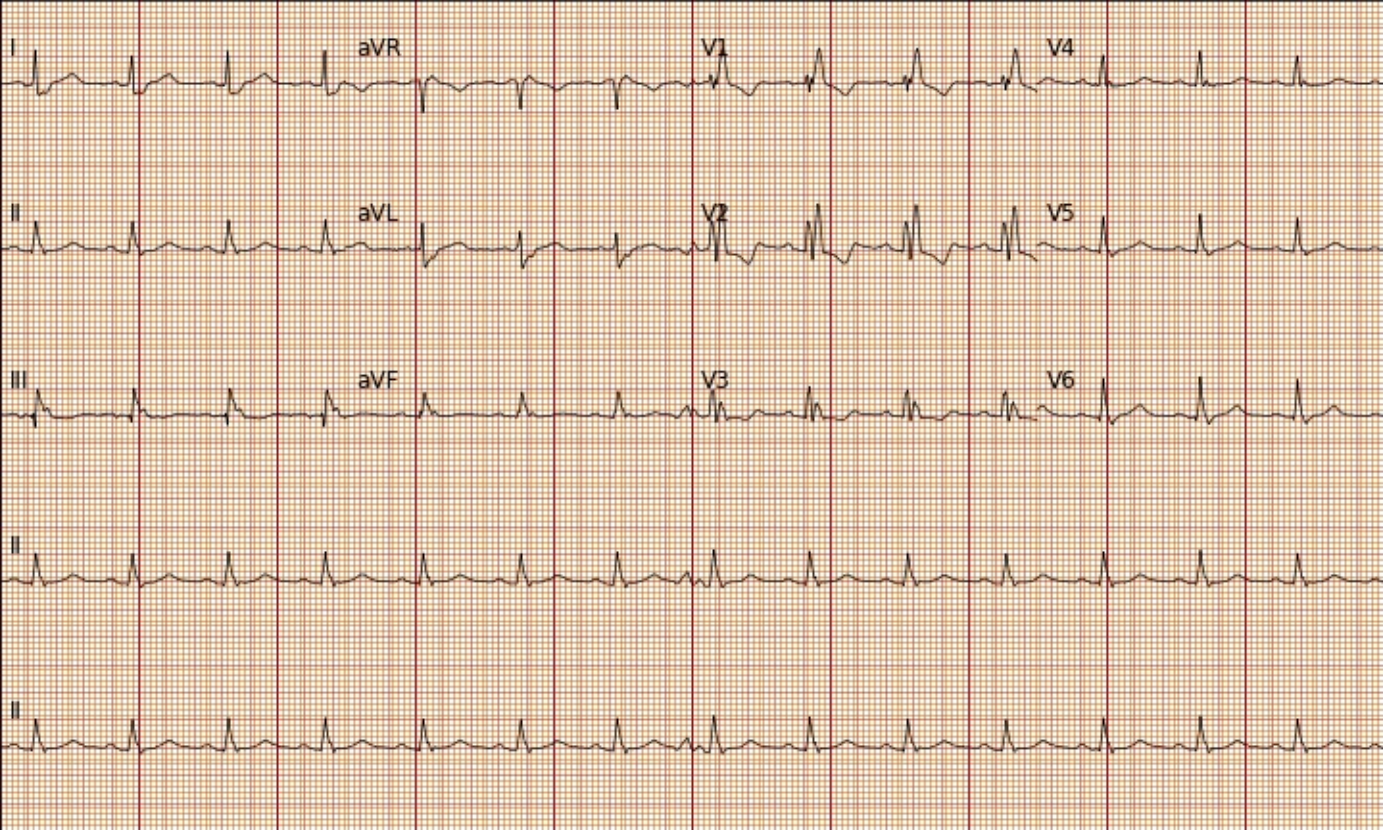


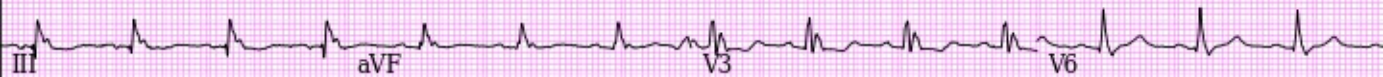
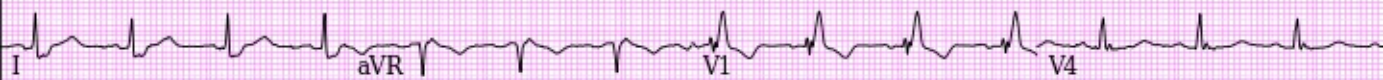




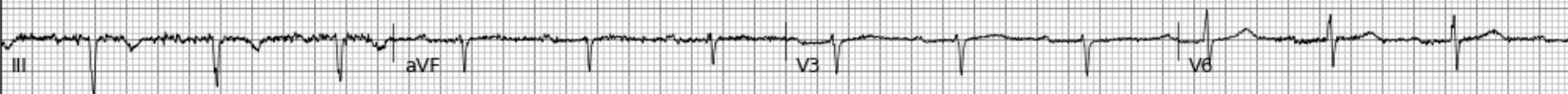
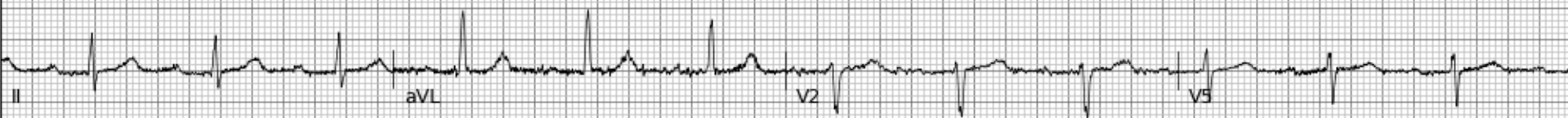


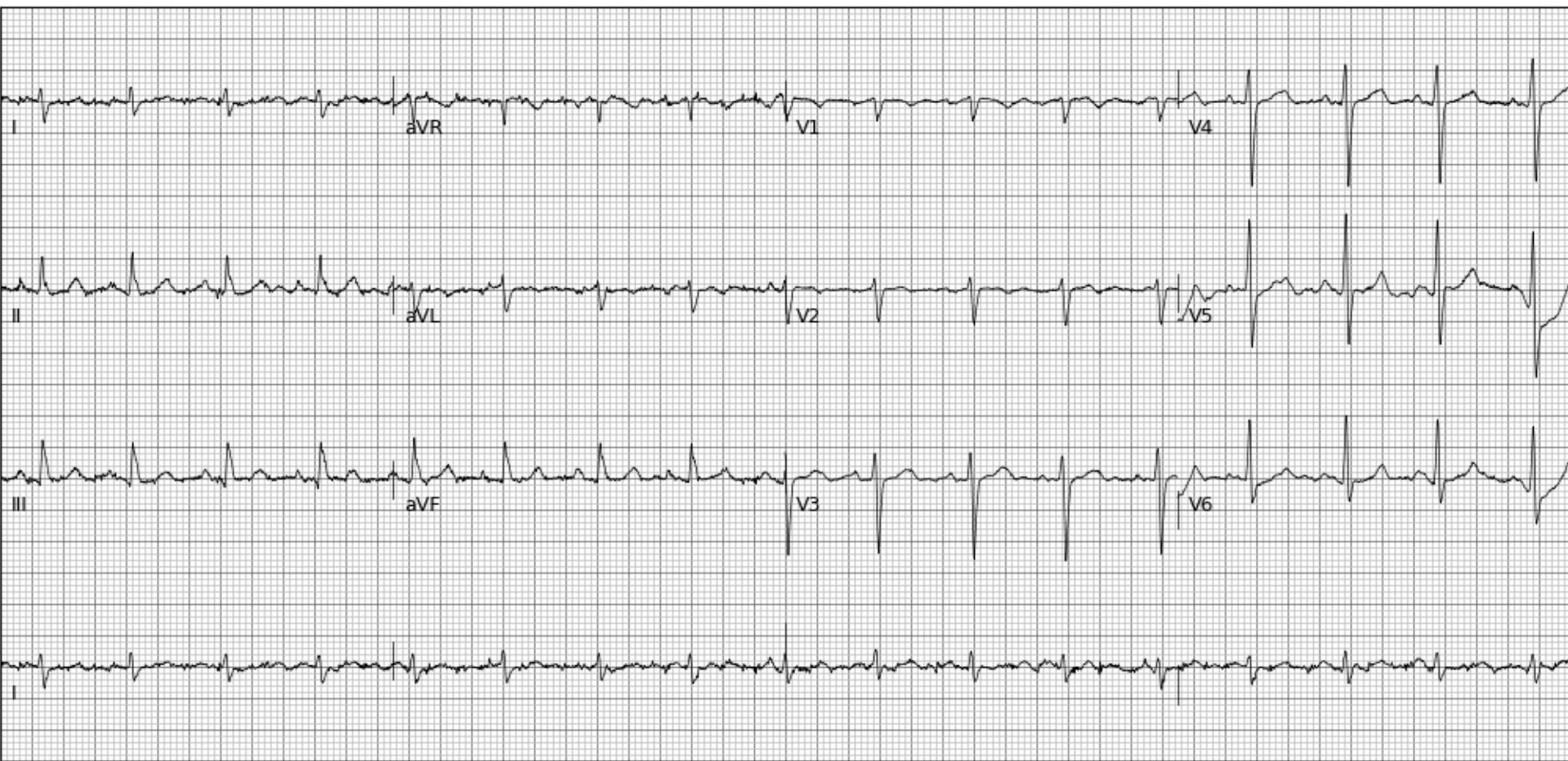


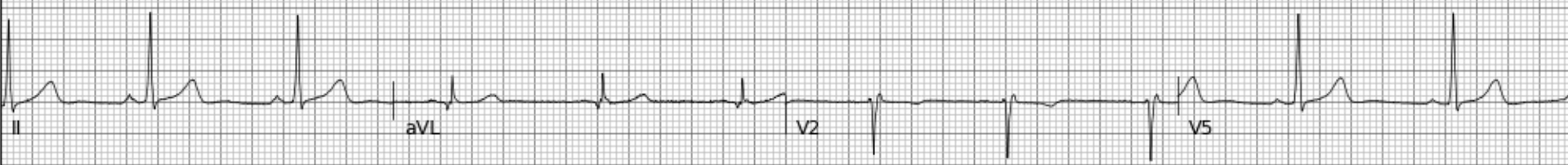




Section 2. Random examples of 25 electrocardiogram images plotted in standard clinical layout used during model evaluation

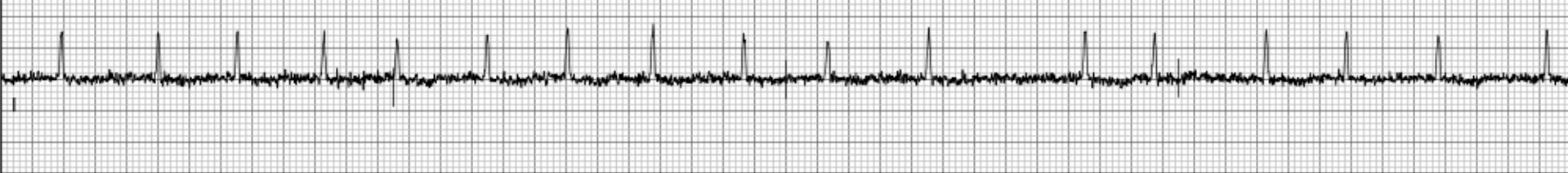
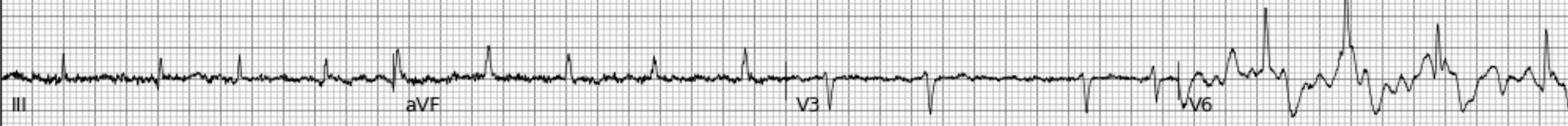
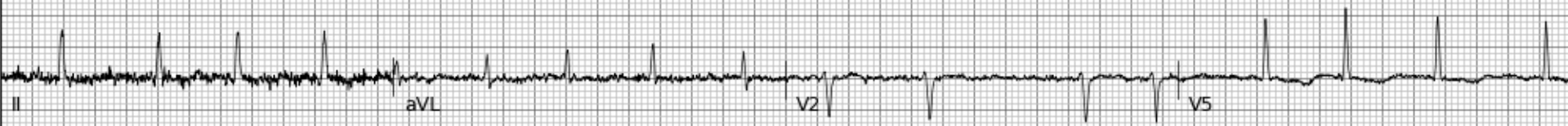


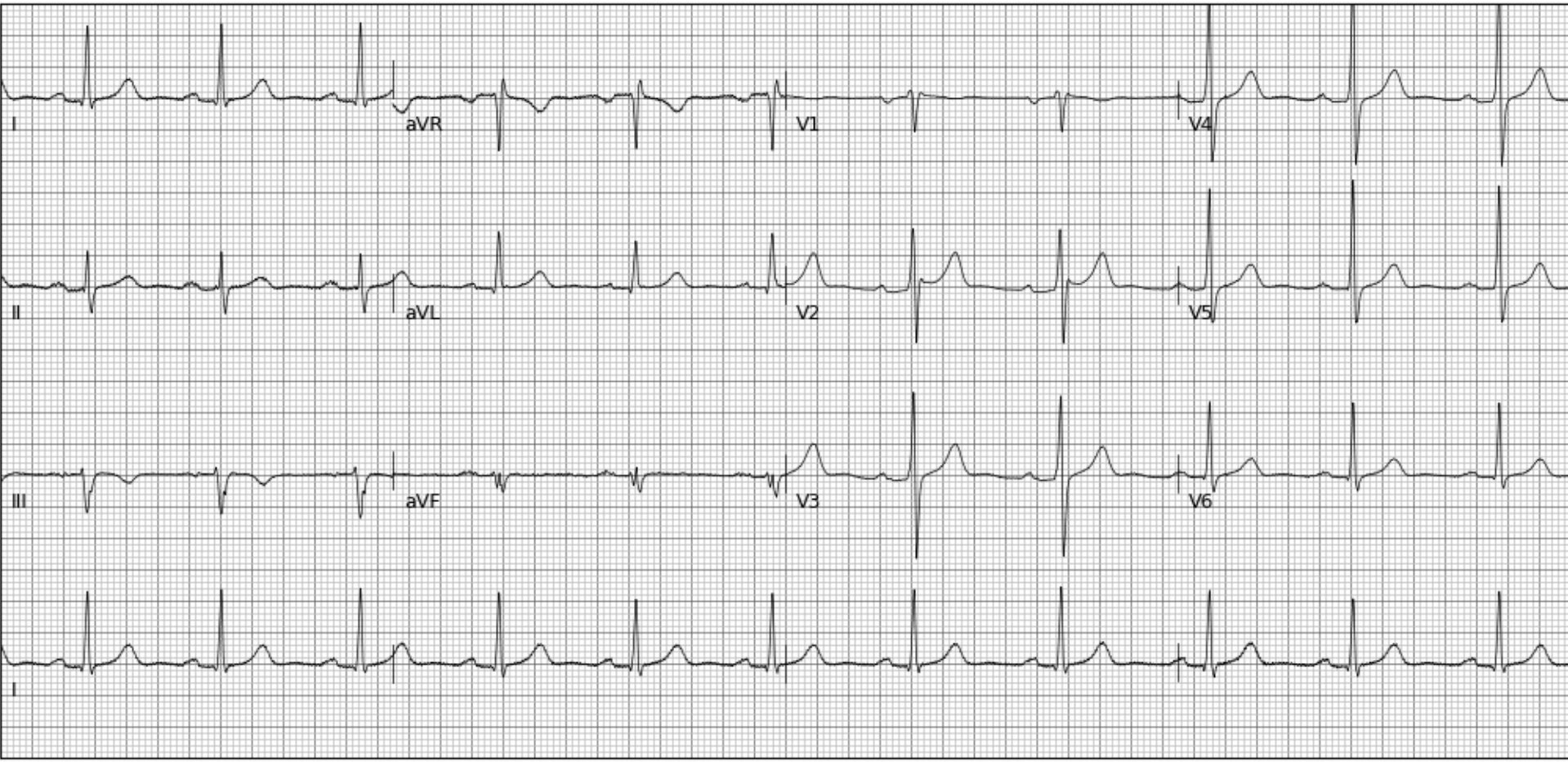






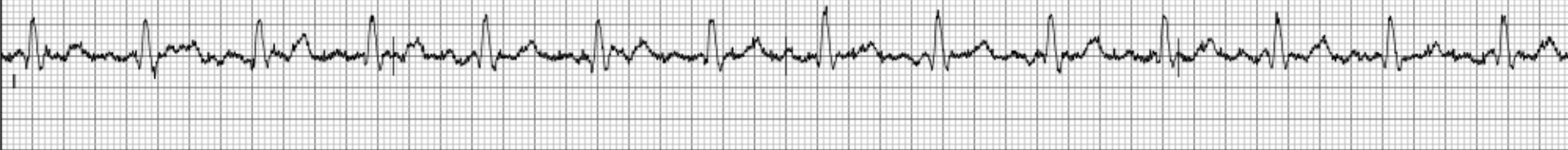
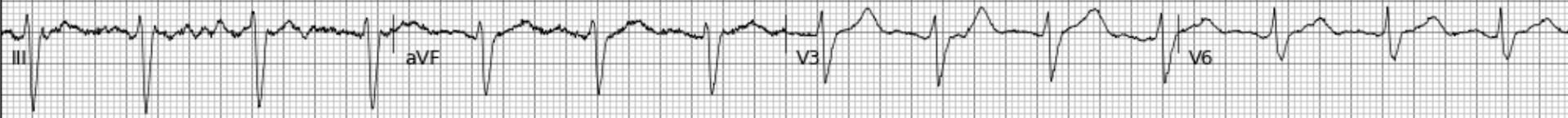
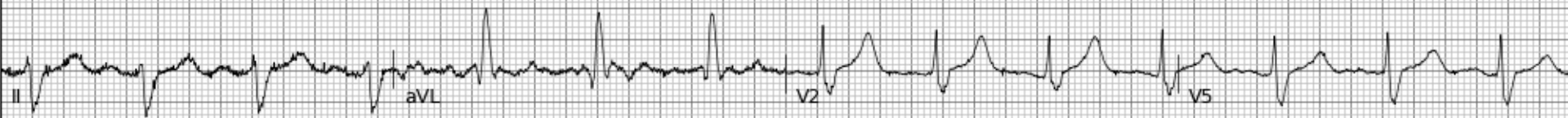
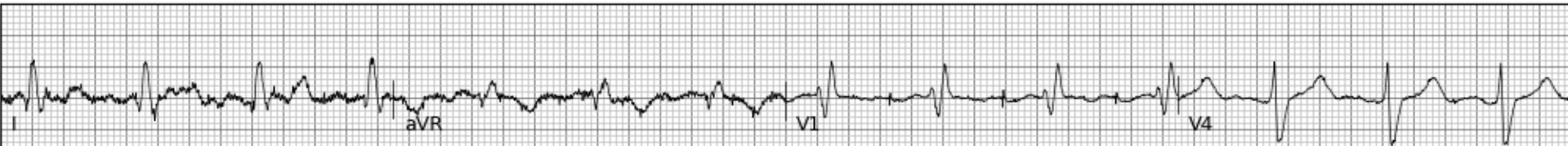


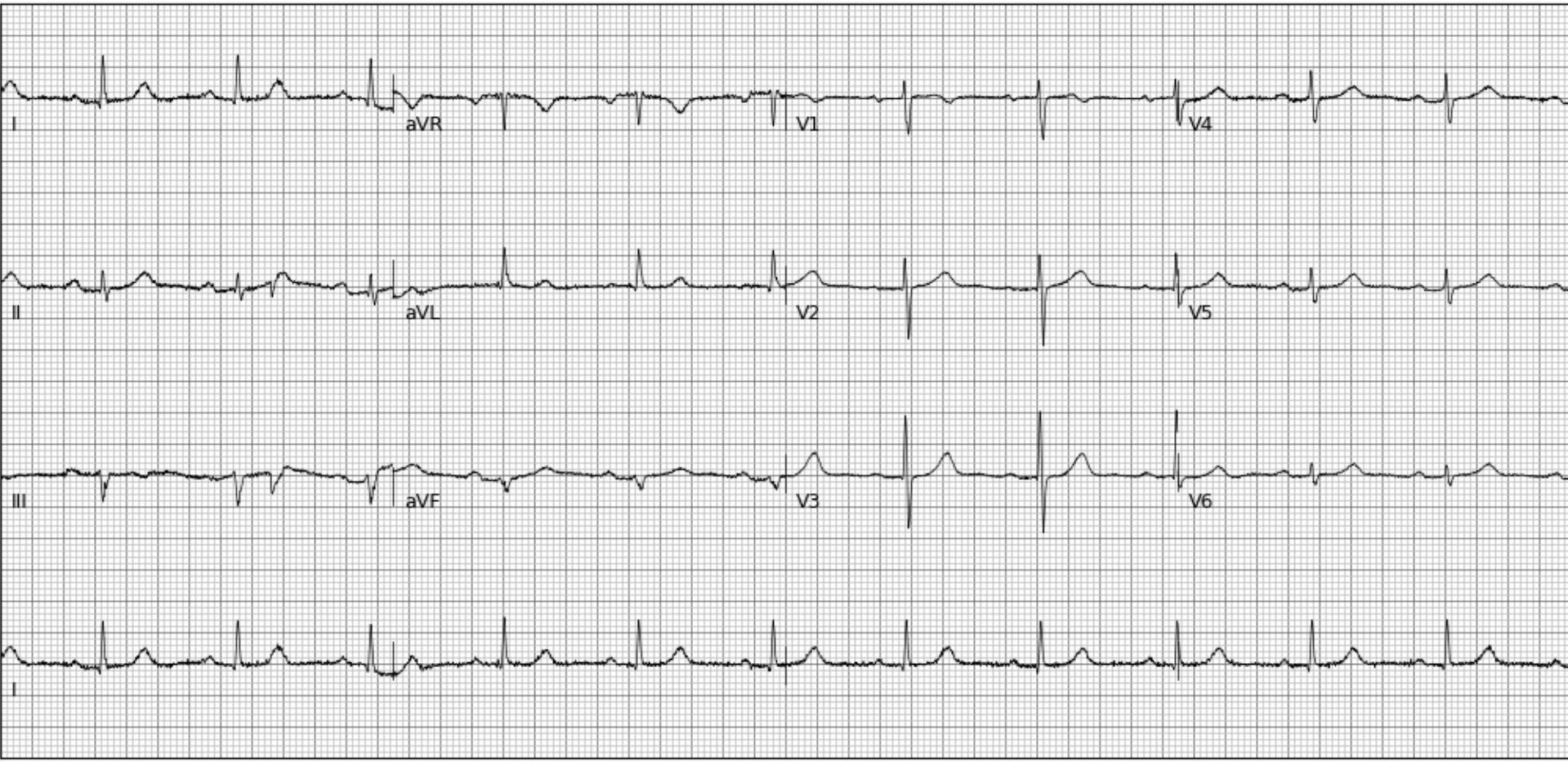


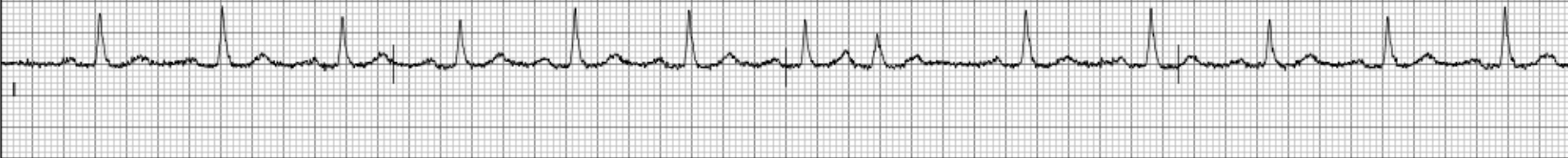


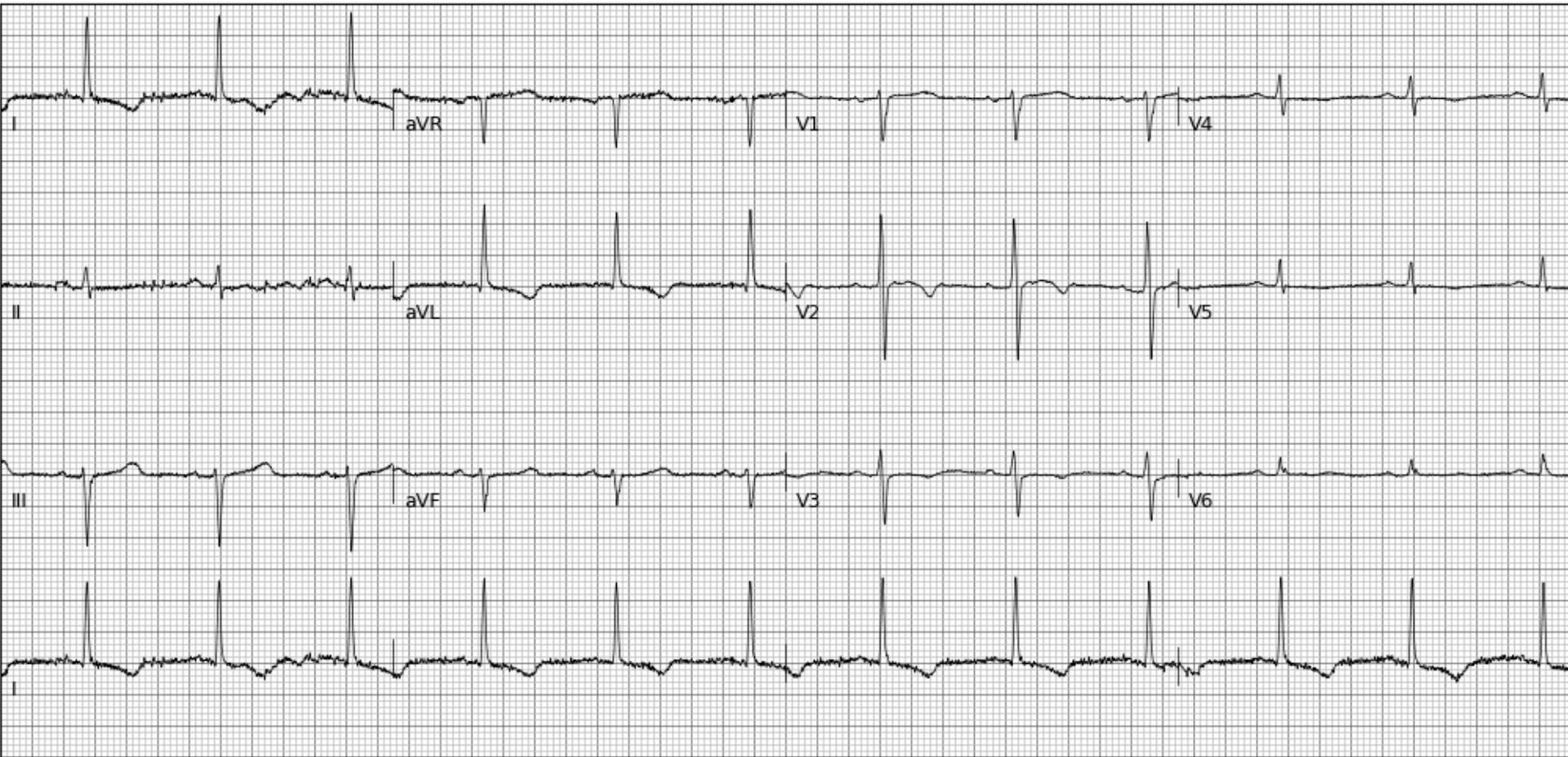


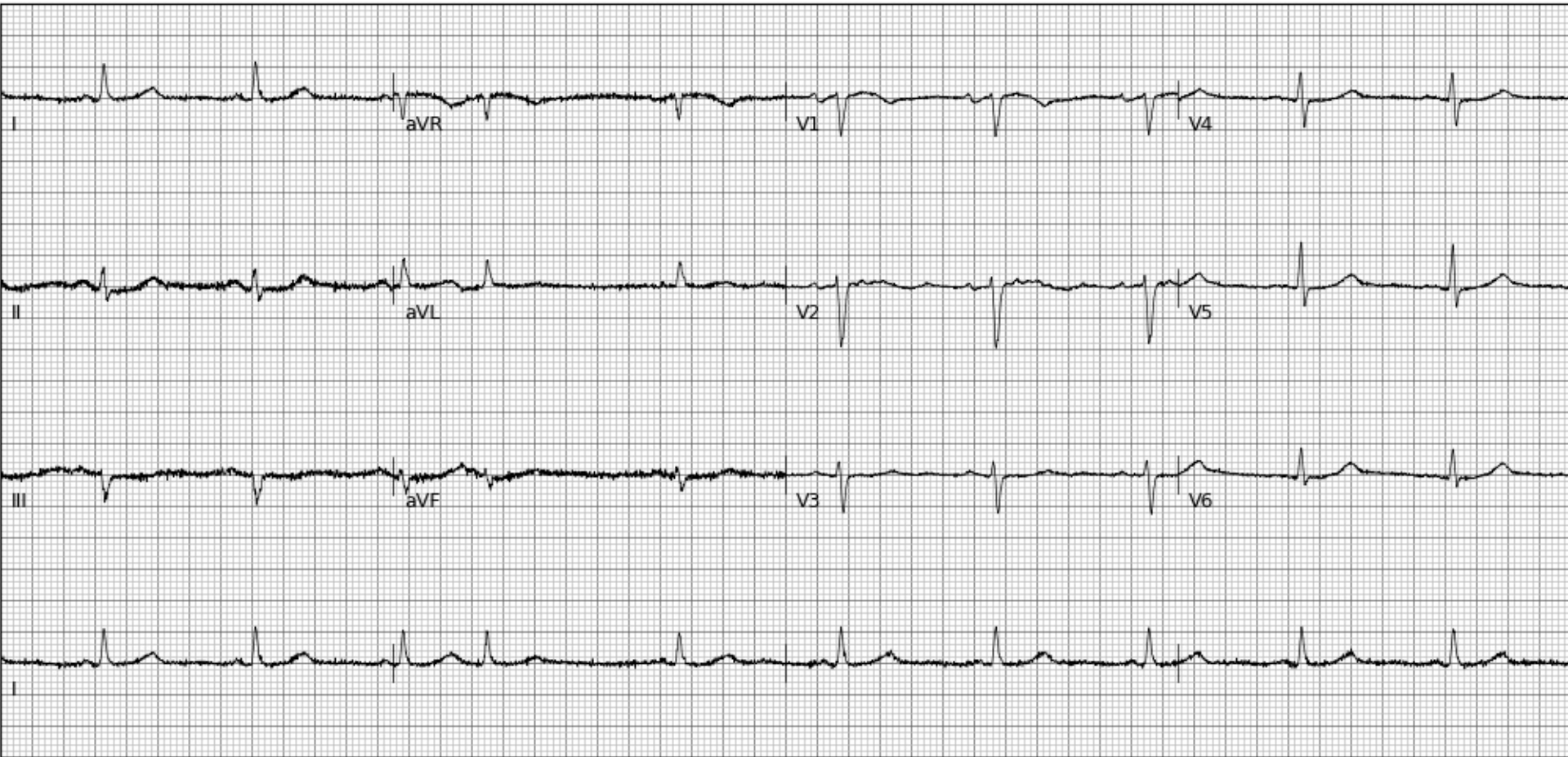


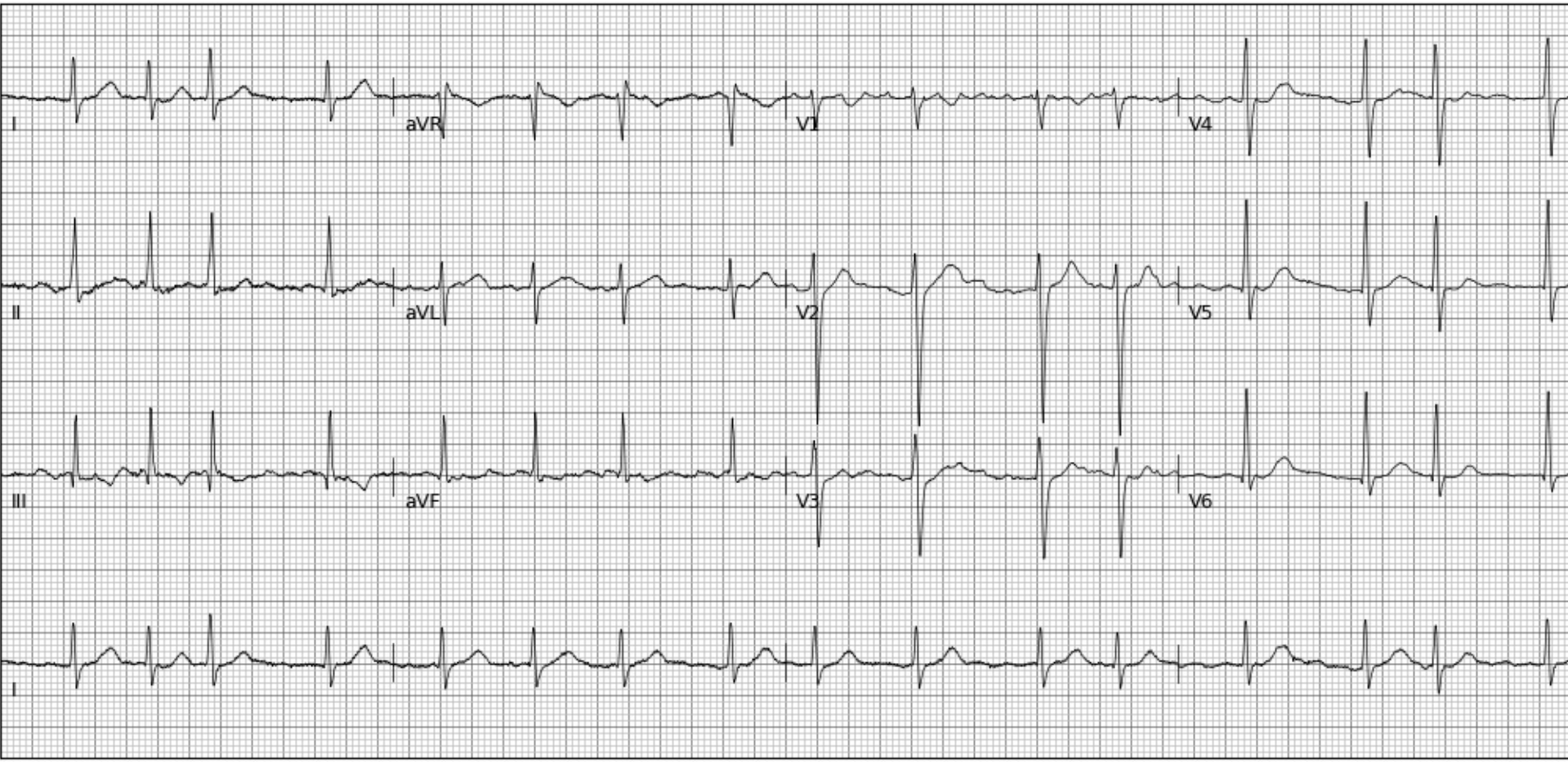


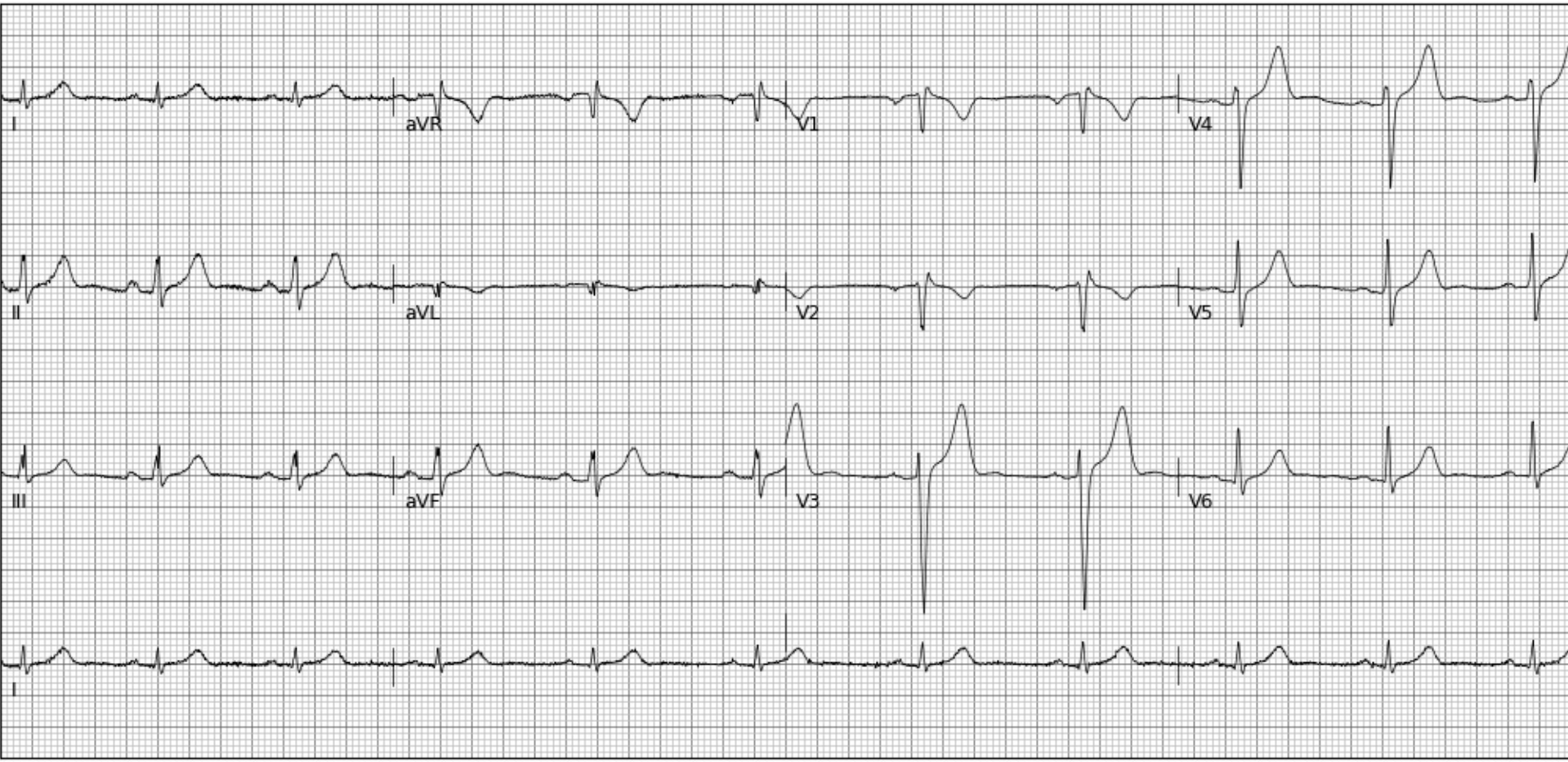


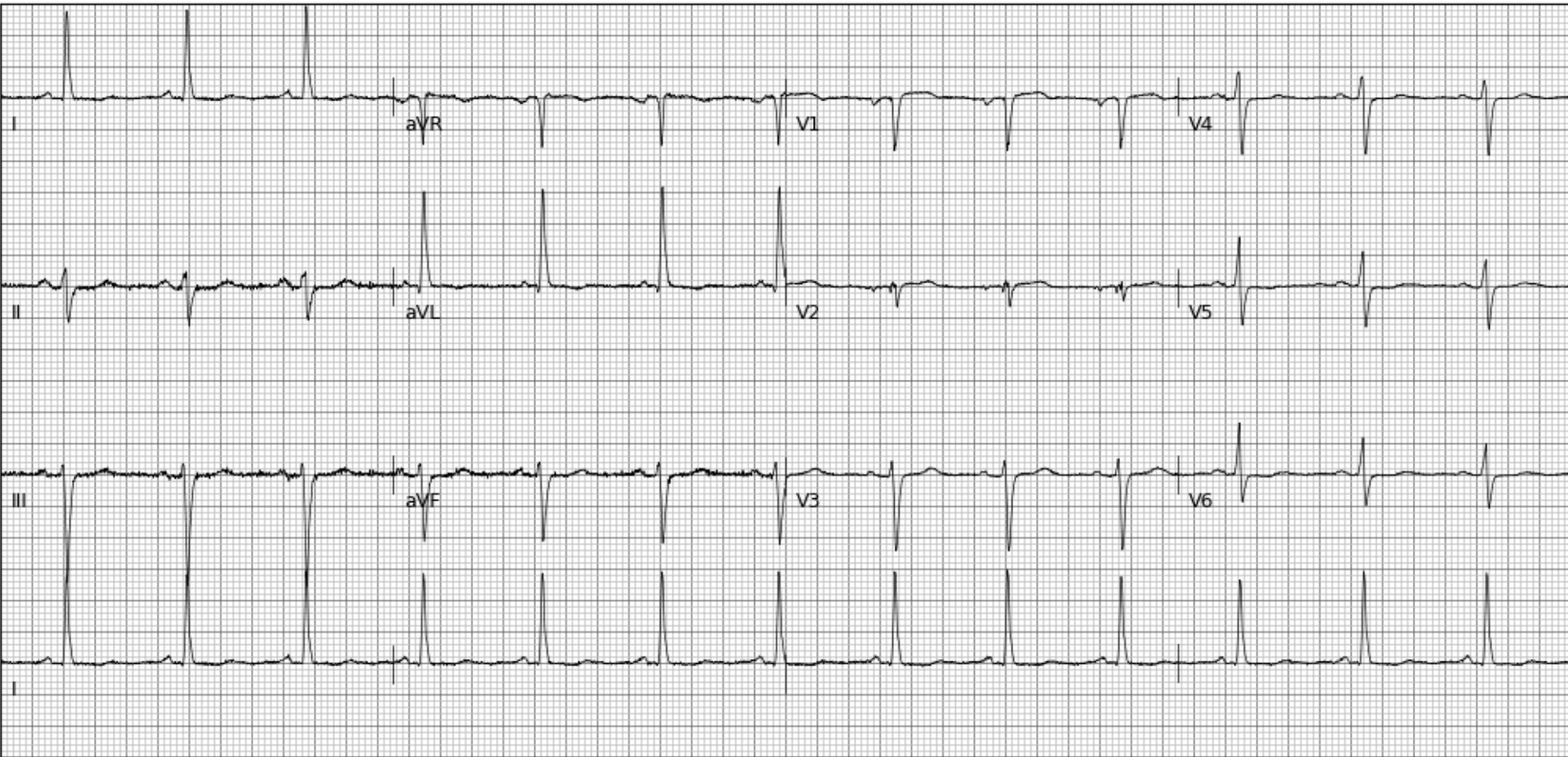


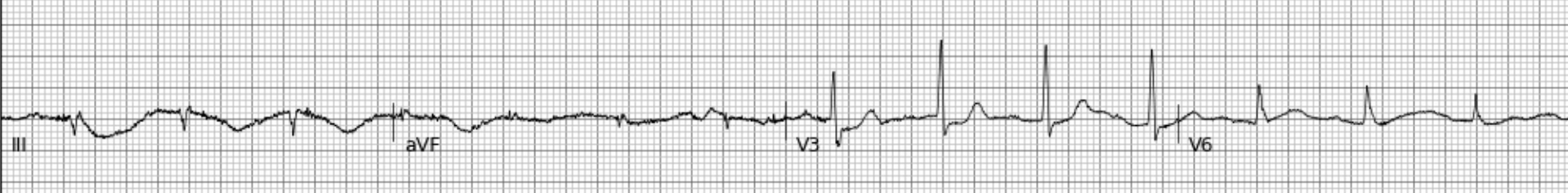


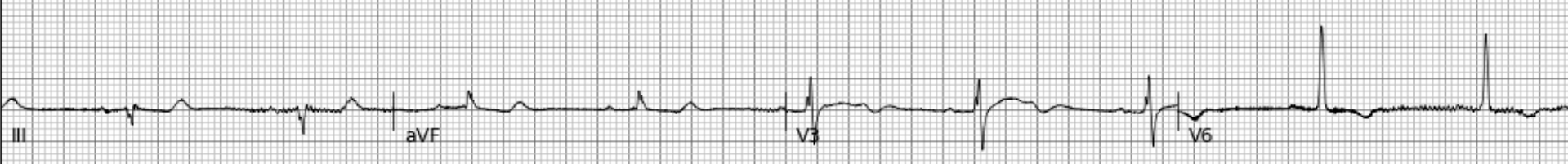


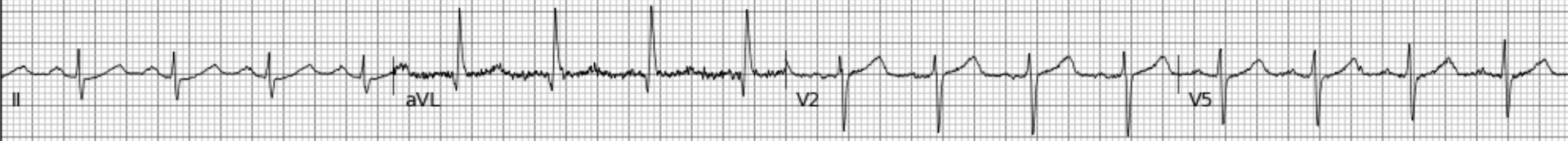


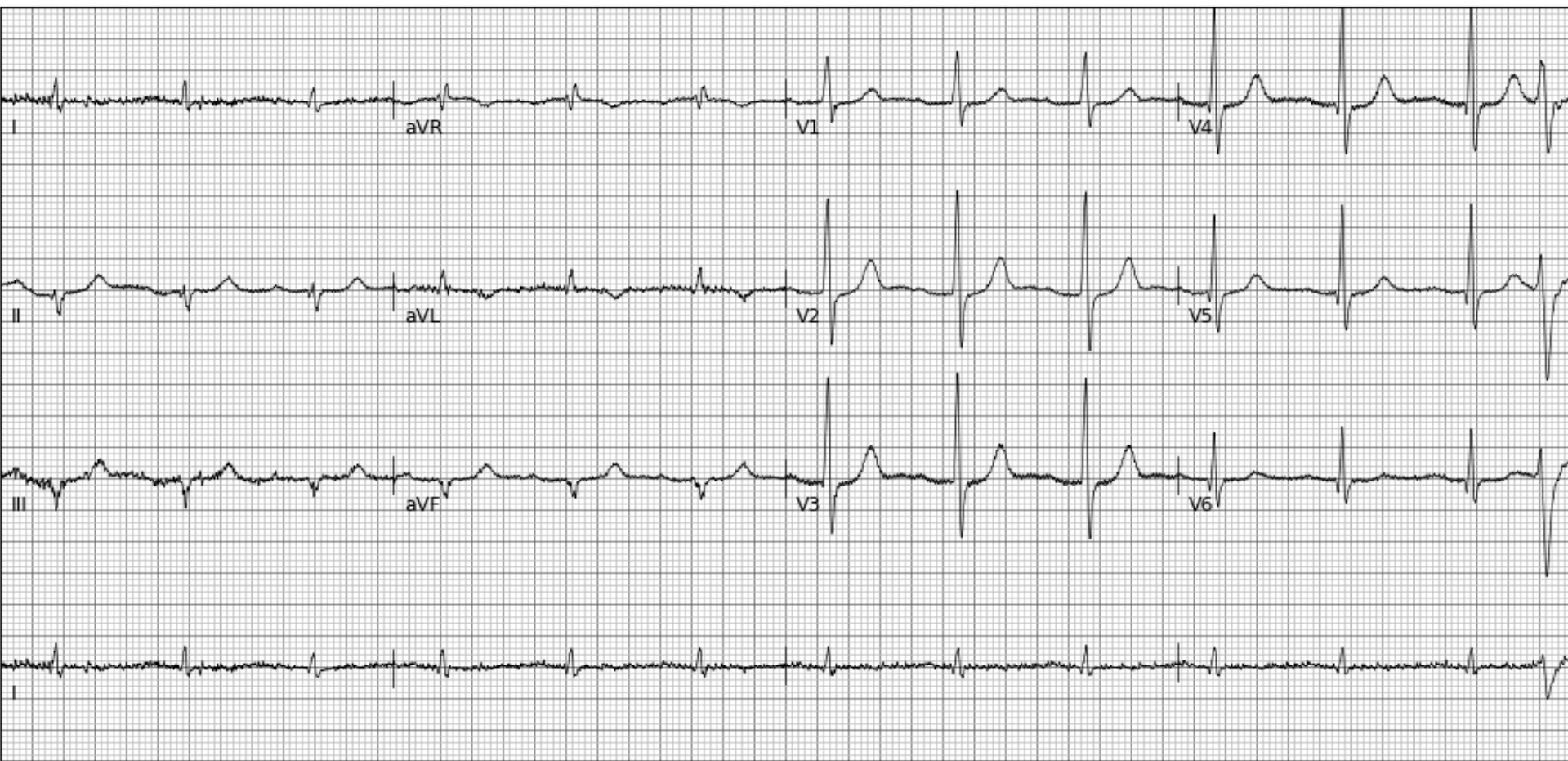


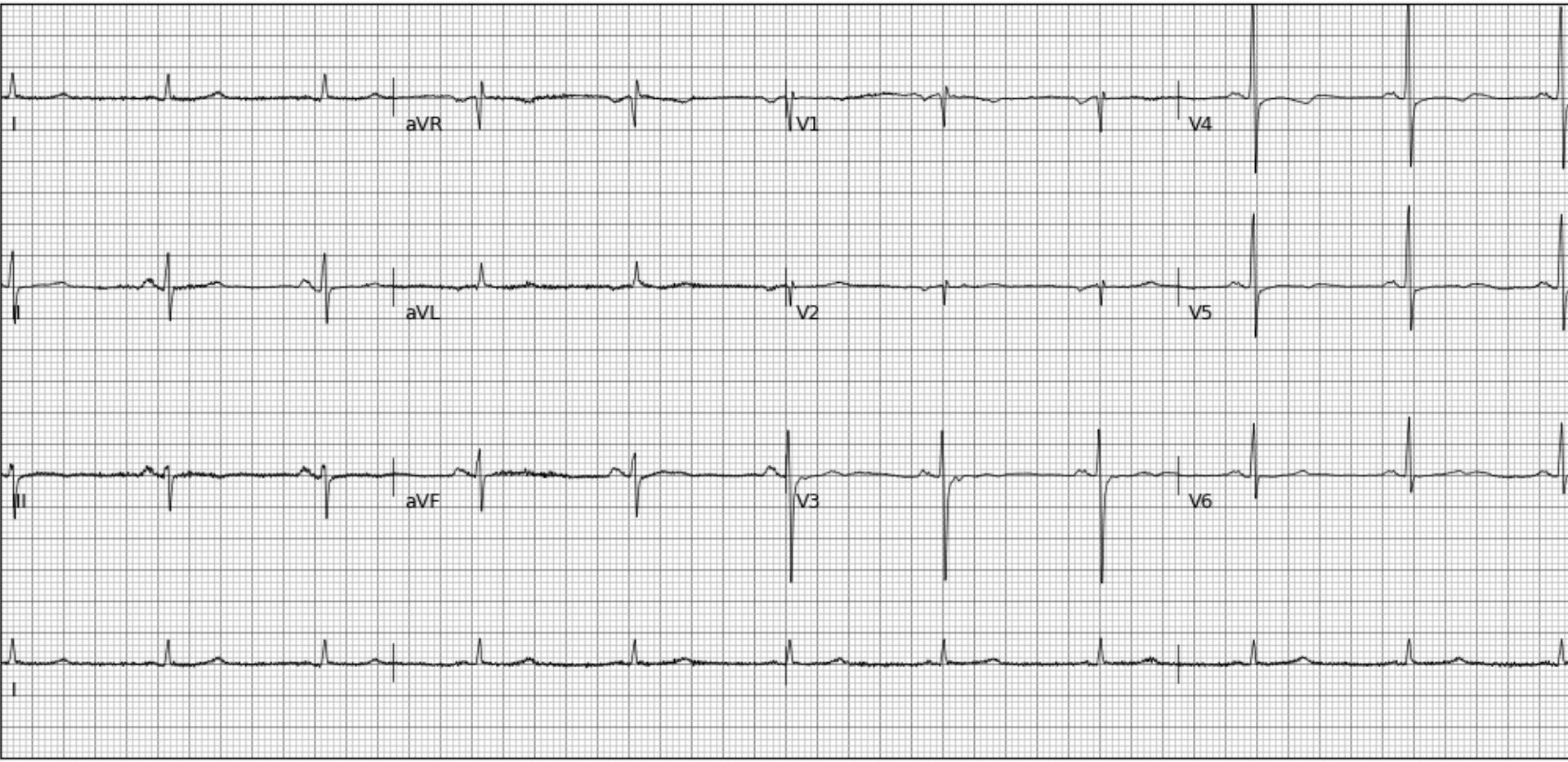




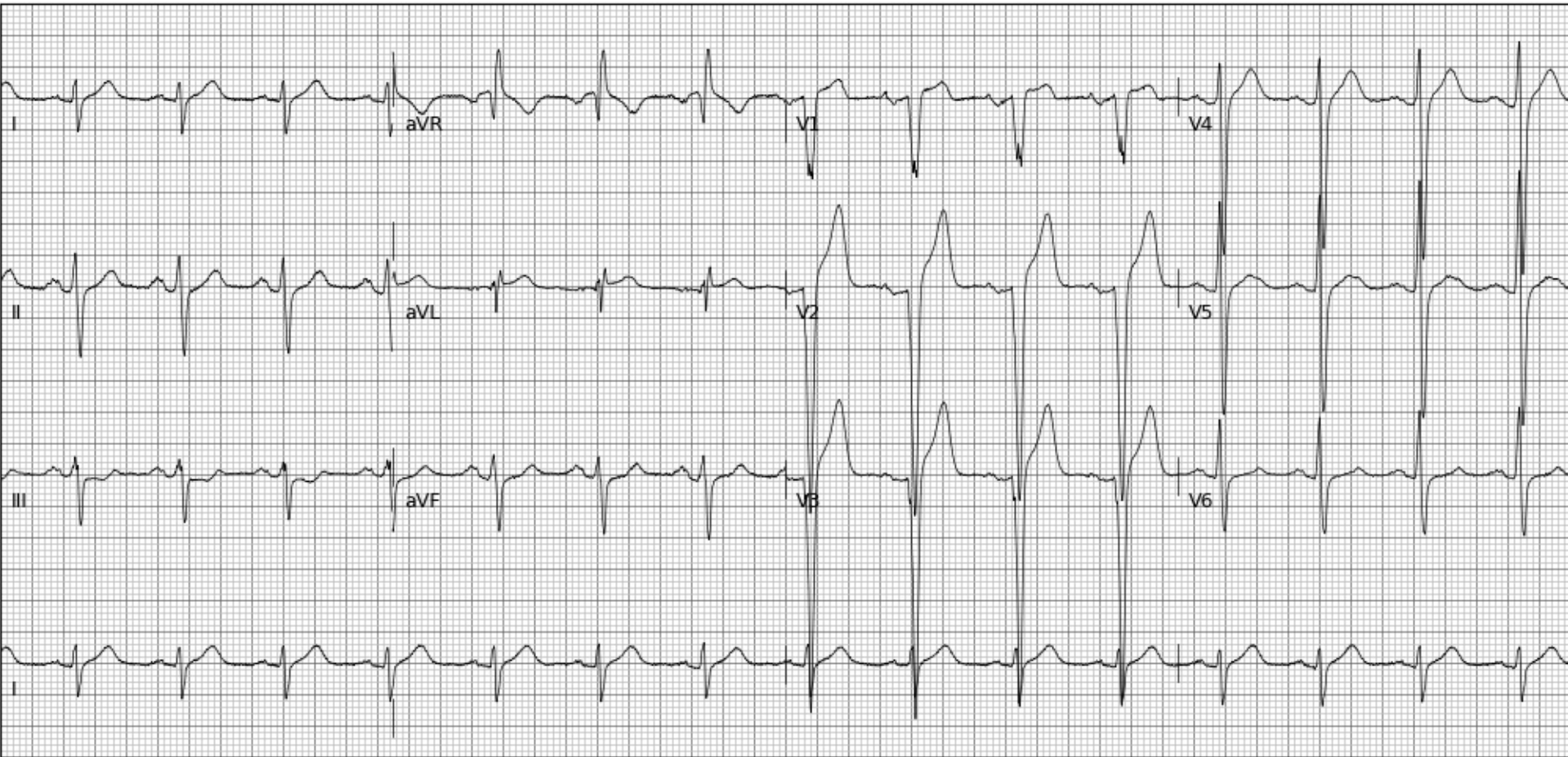


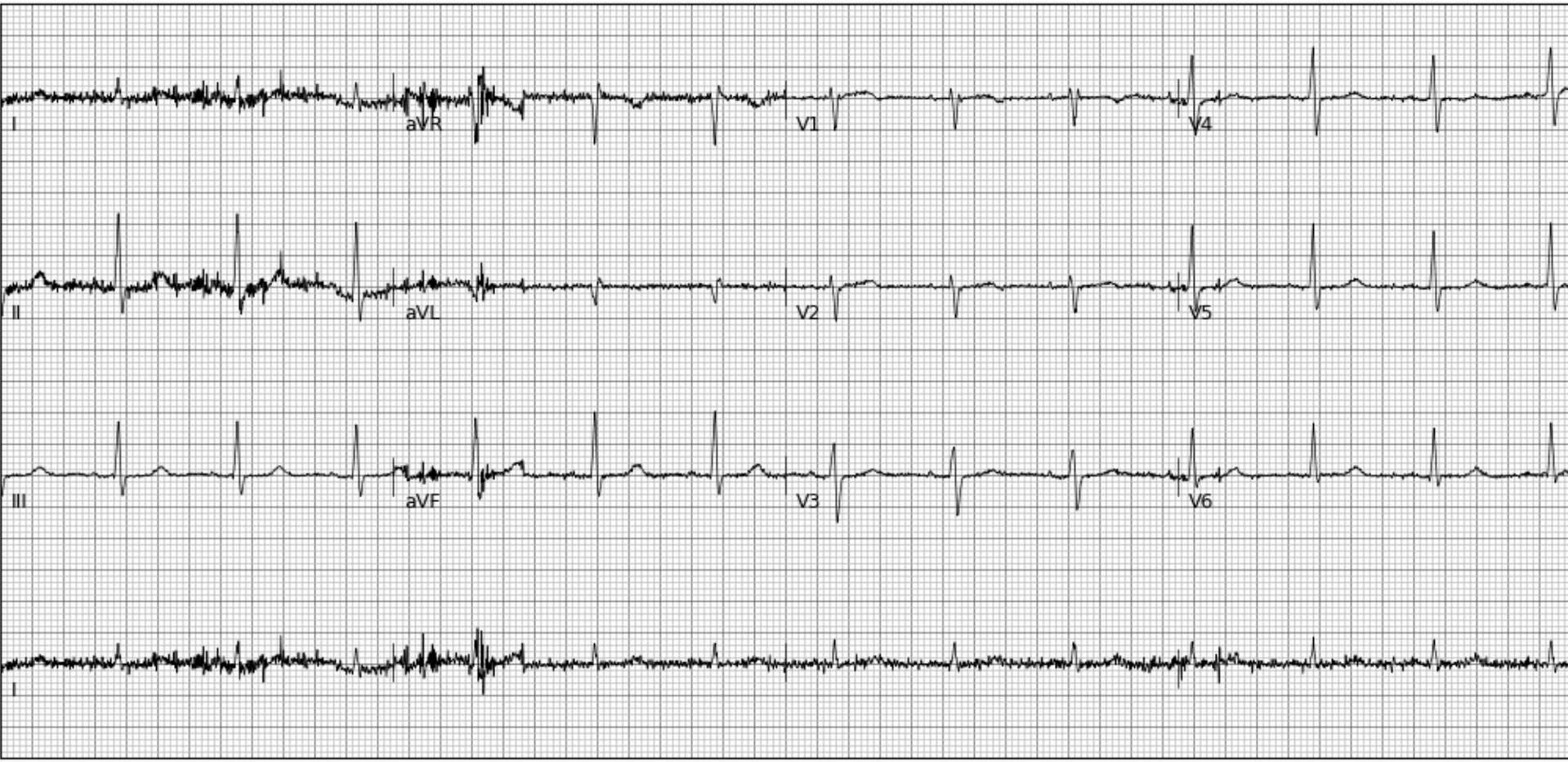




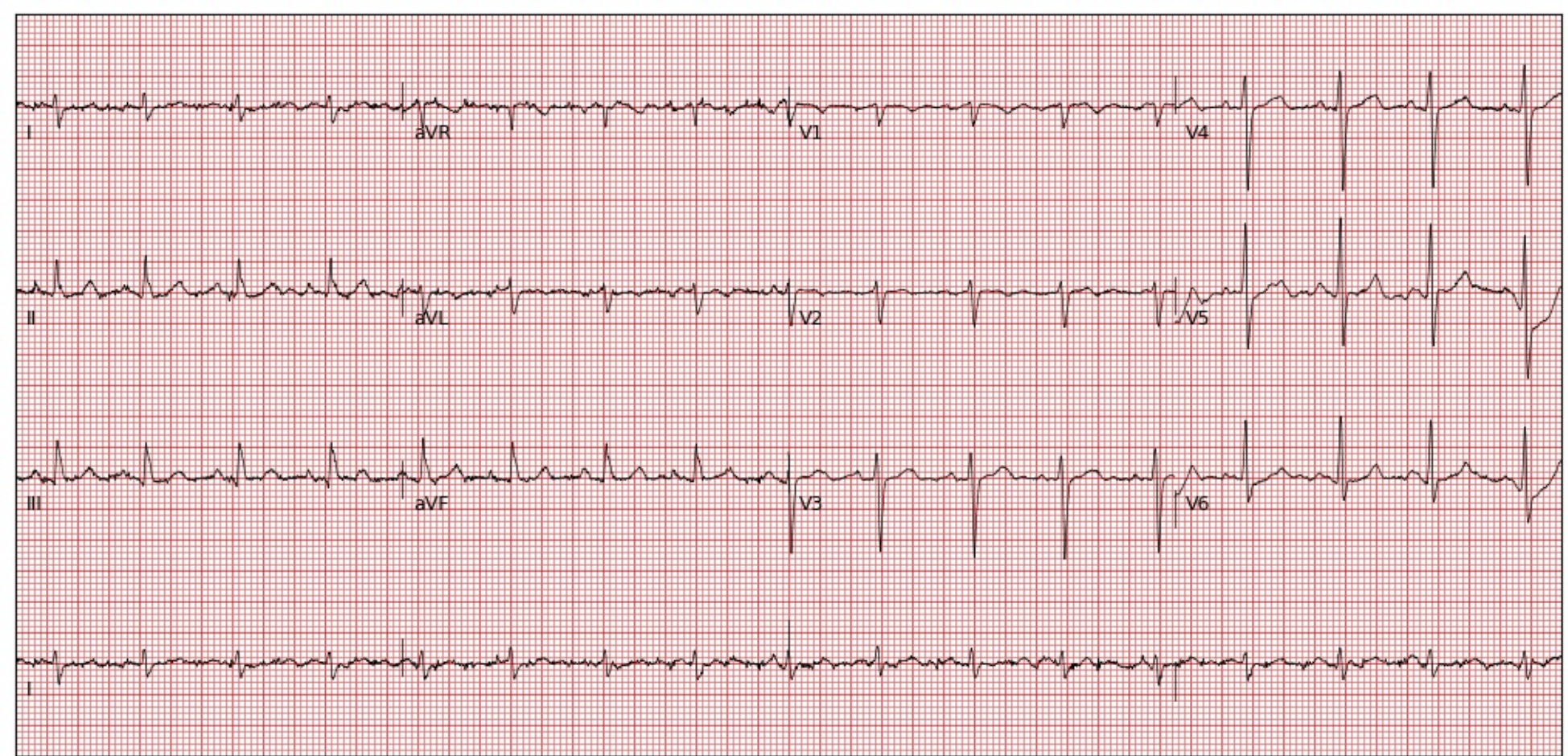


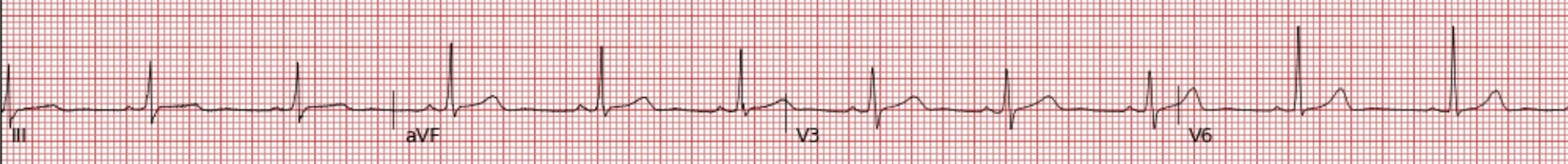
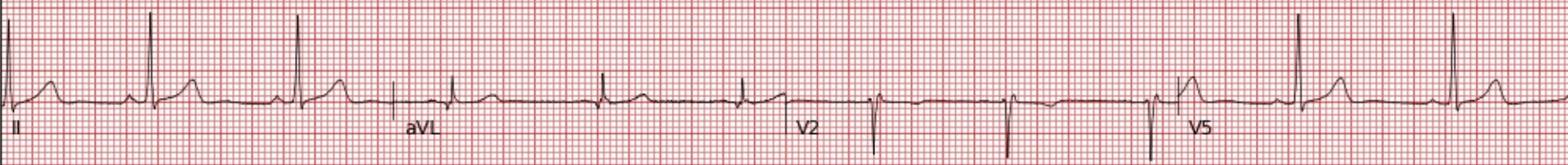
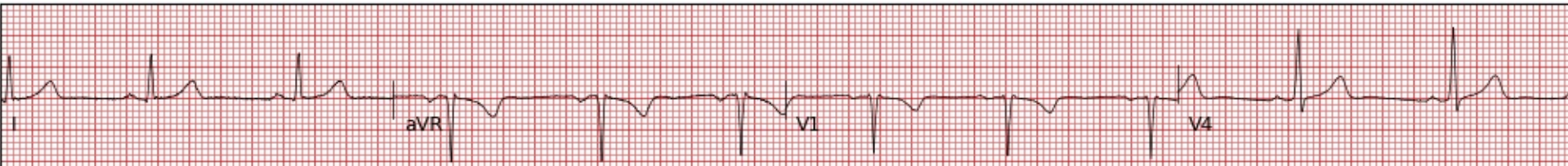


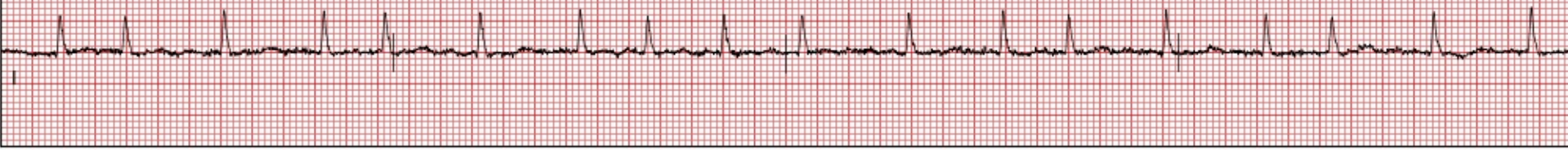
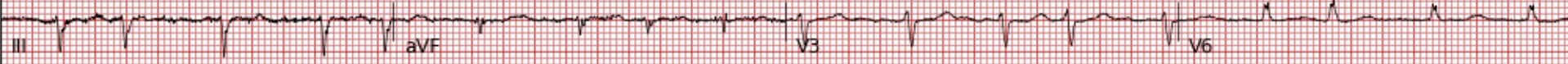


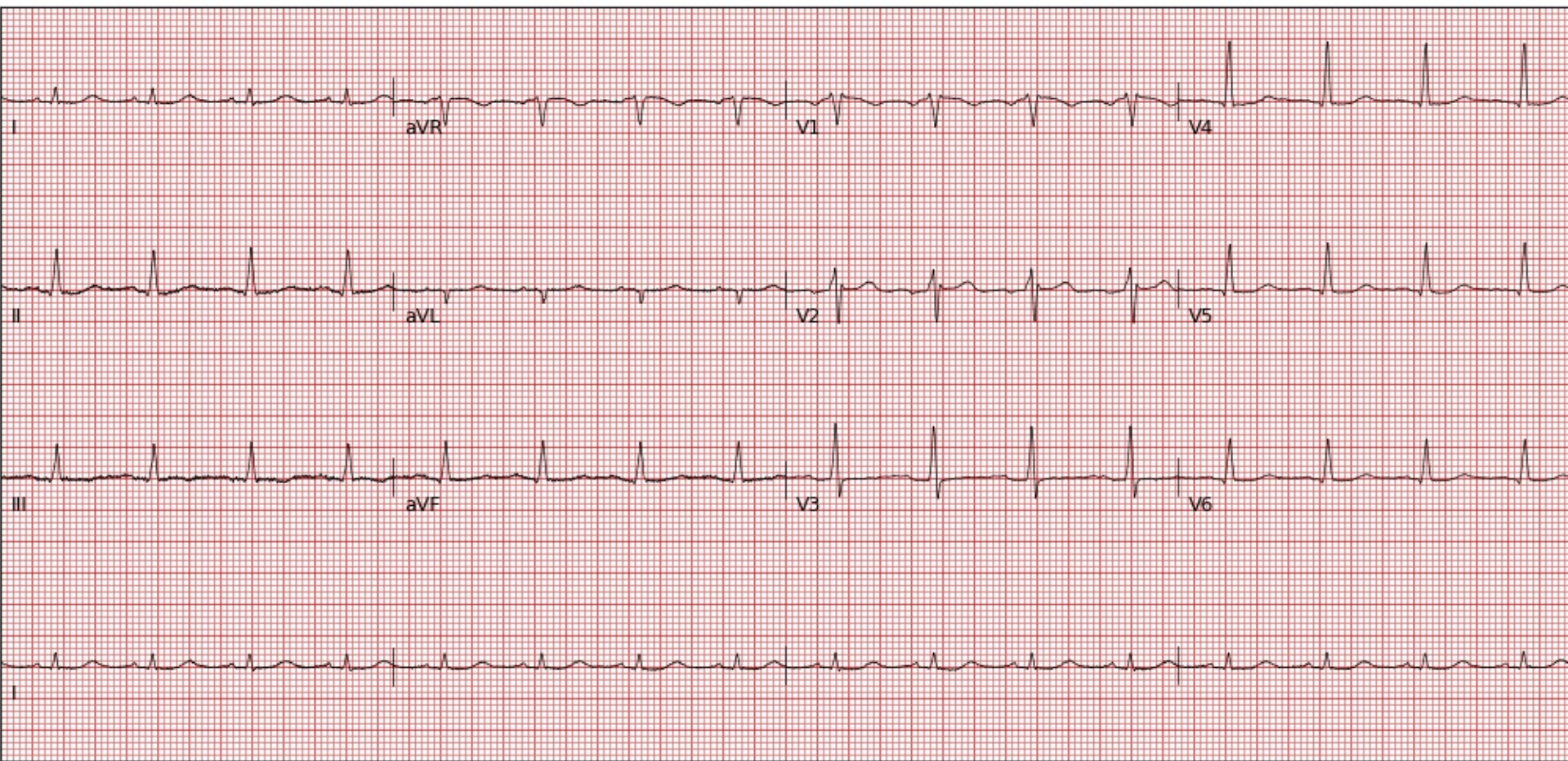


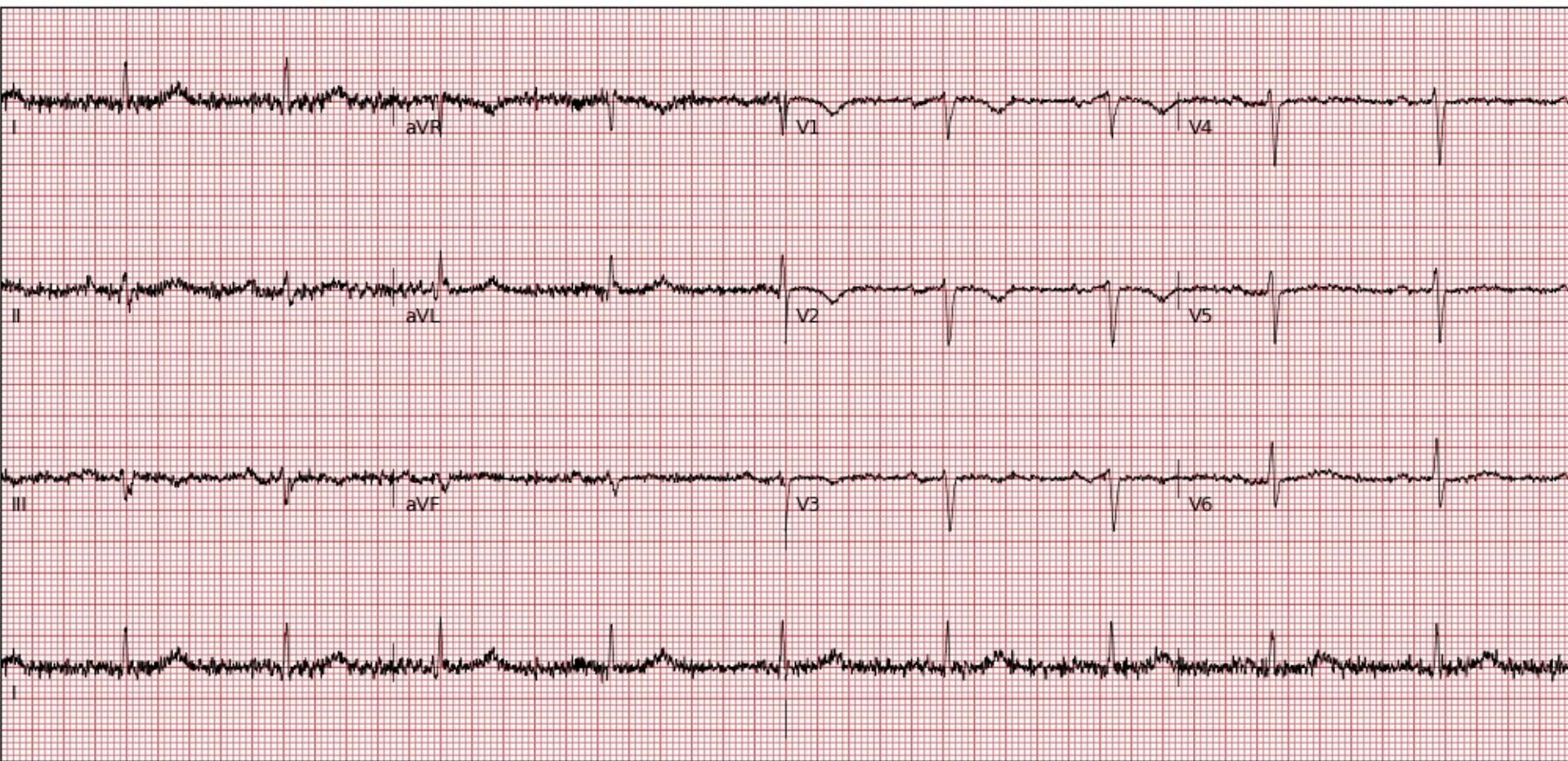
Section 3. Random examples of 25 electrocardiogram images plotted in novel format (Black-on-Red Standard) not encountered during model development

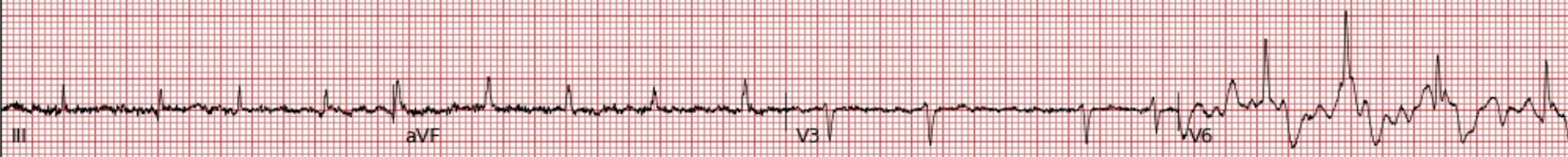
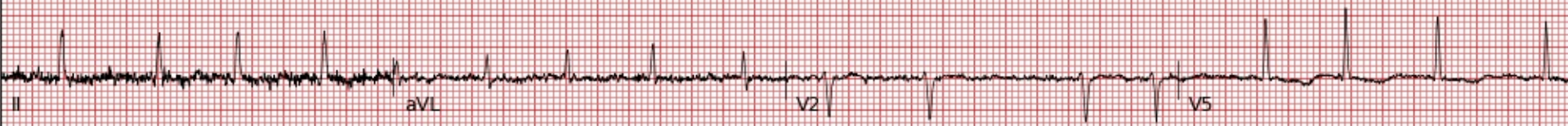
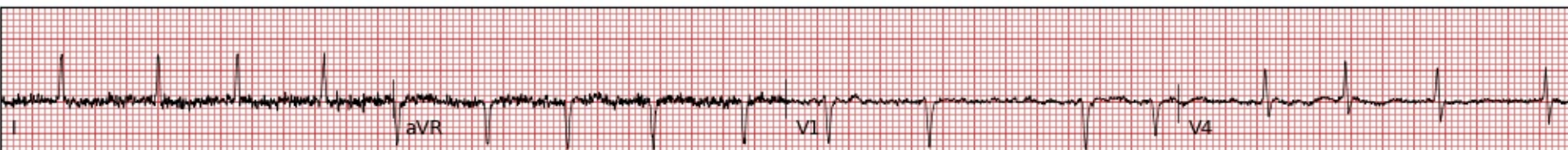


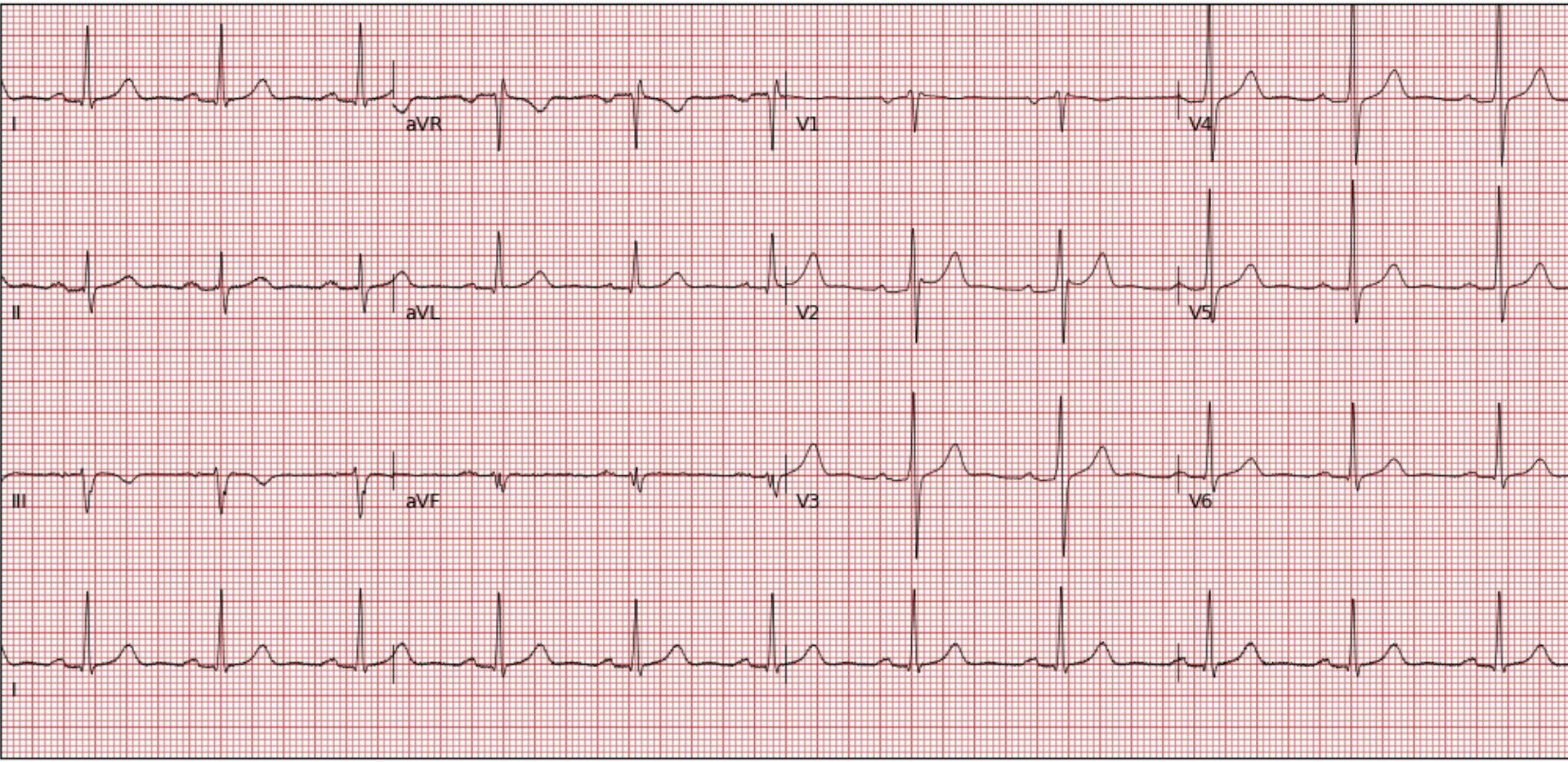


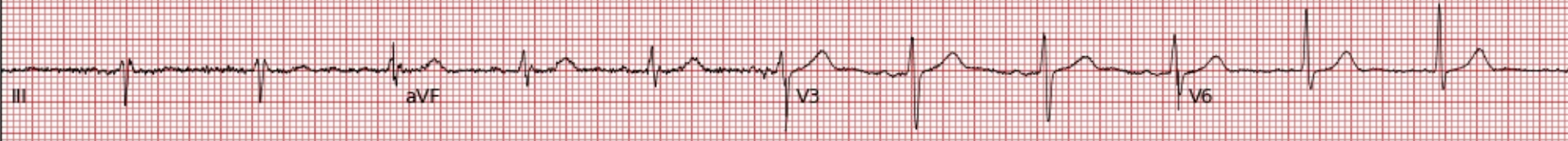


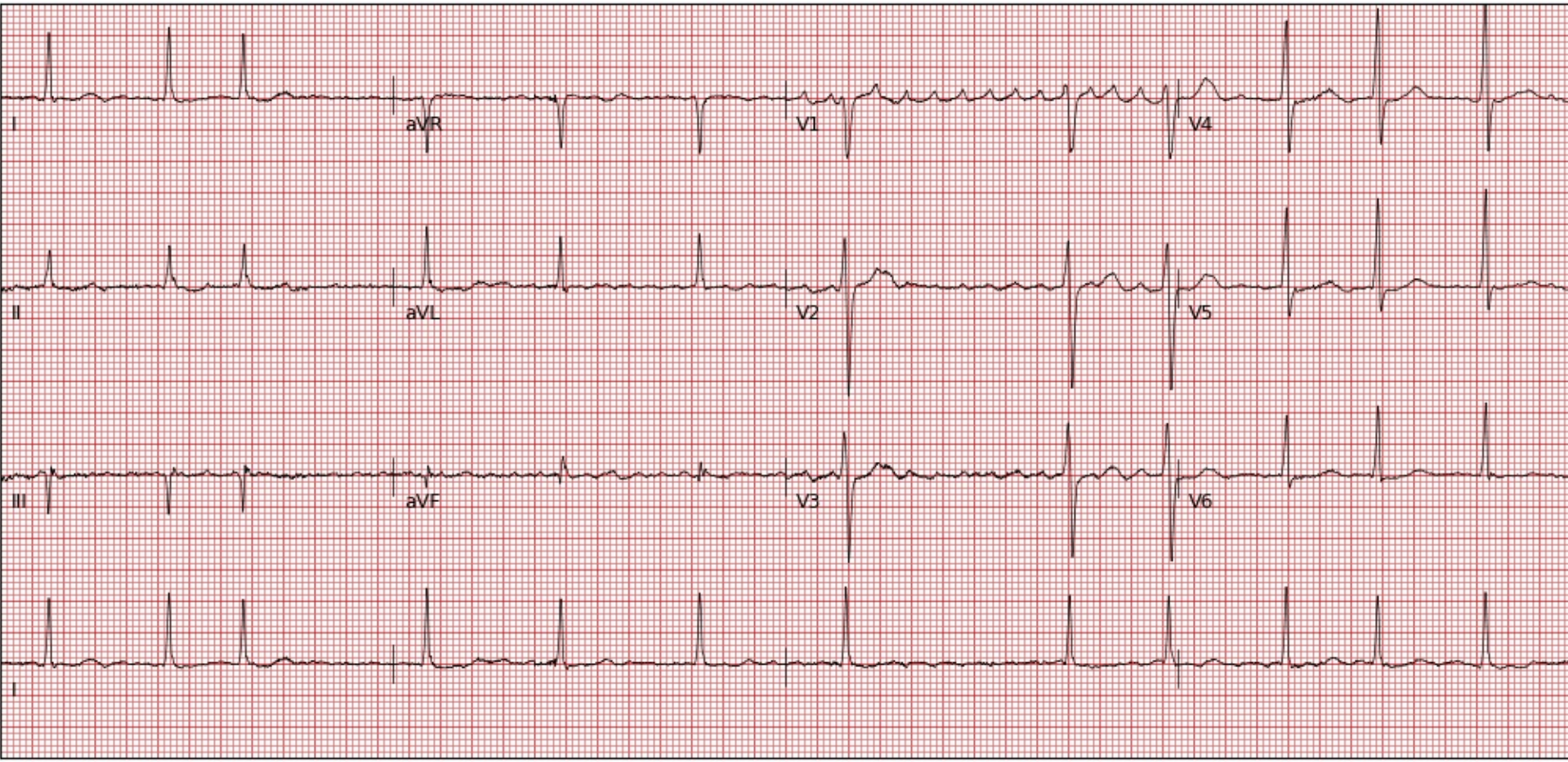


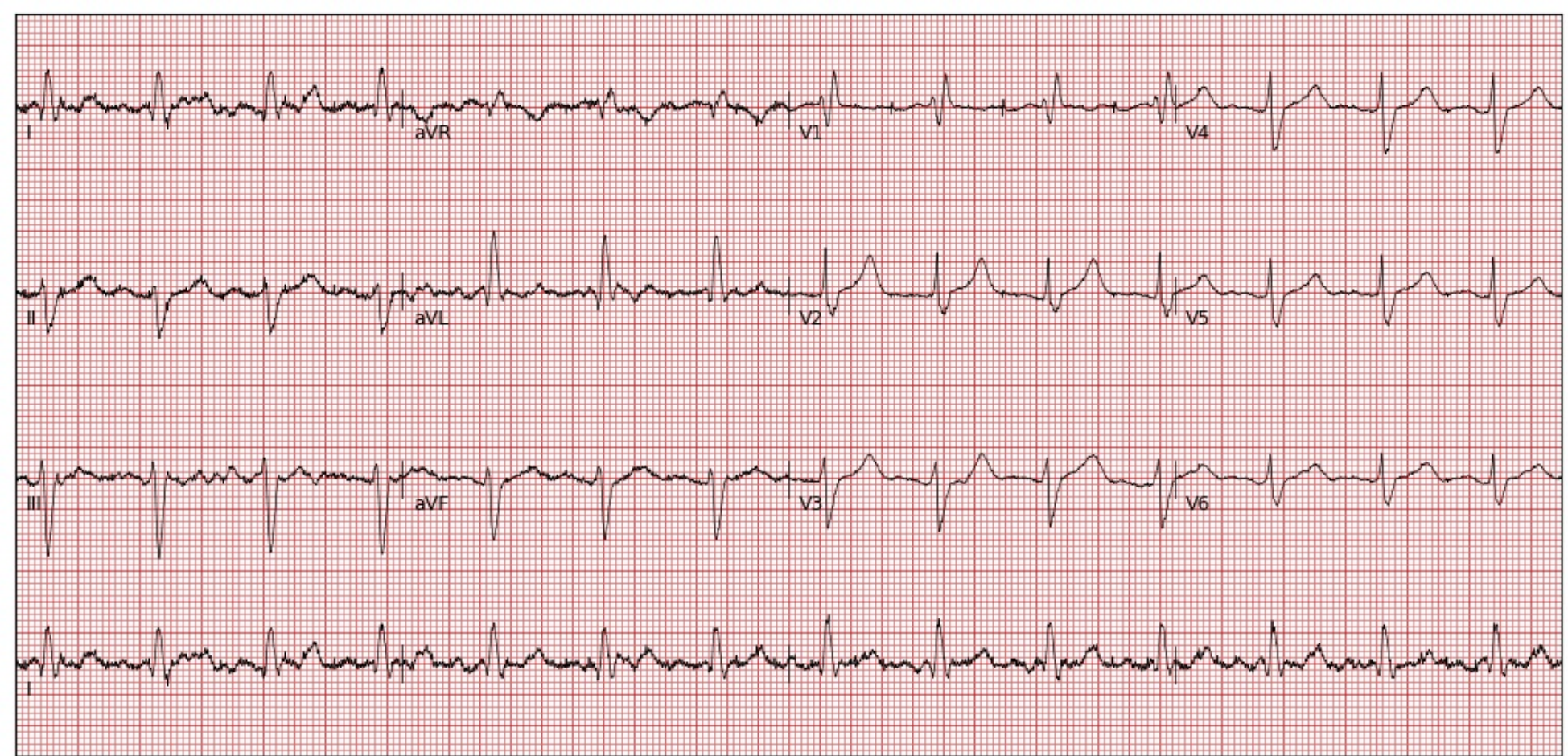


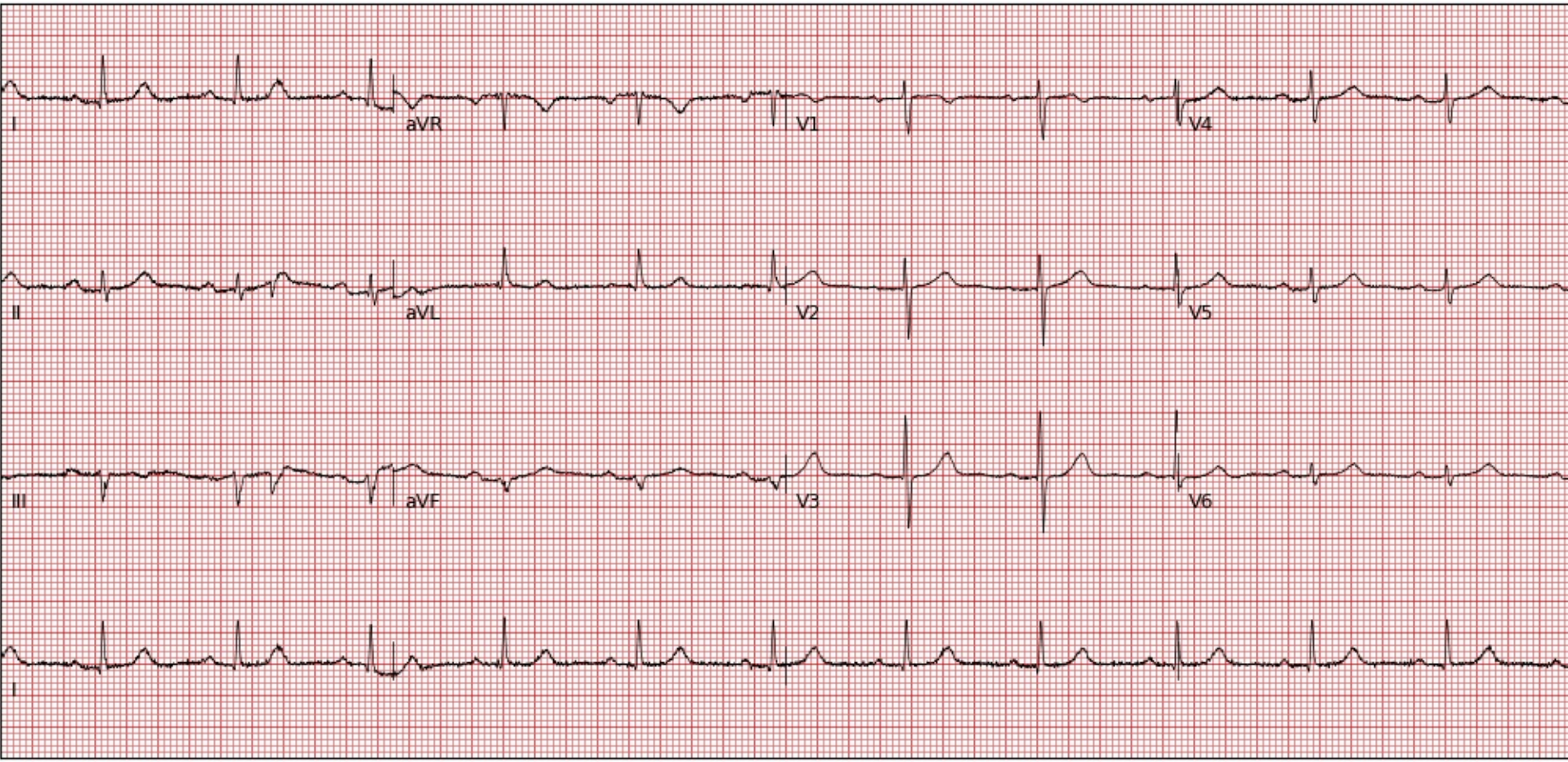


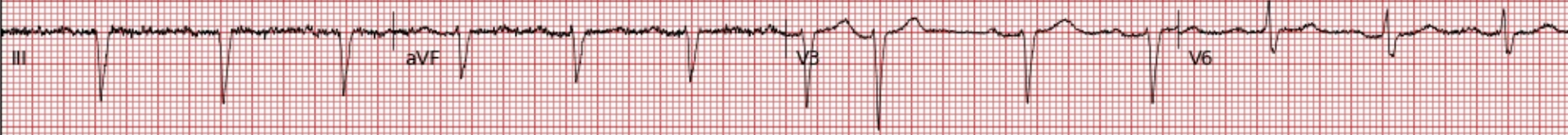


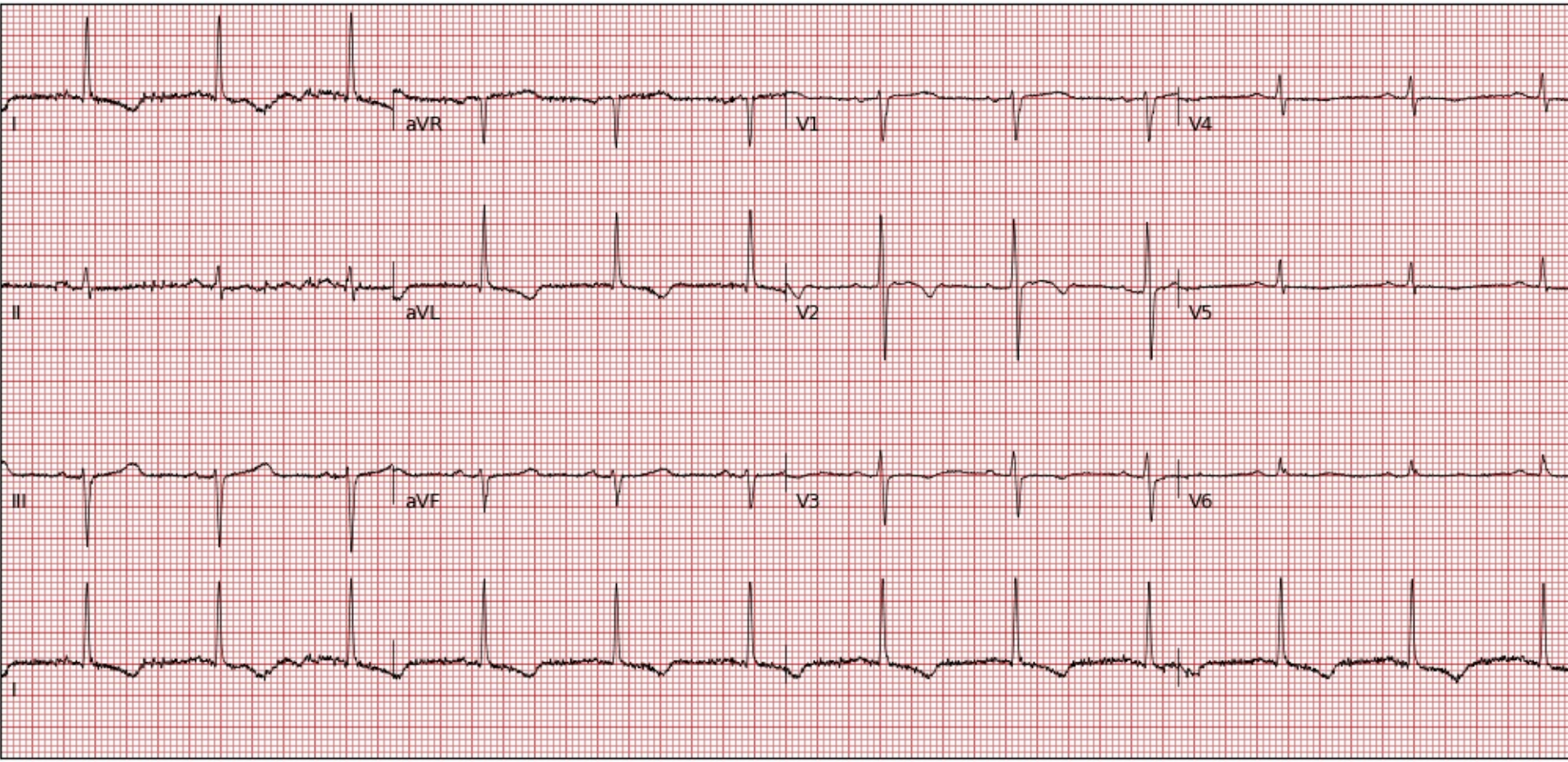


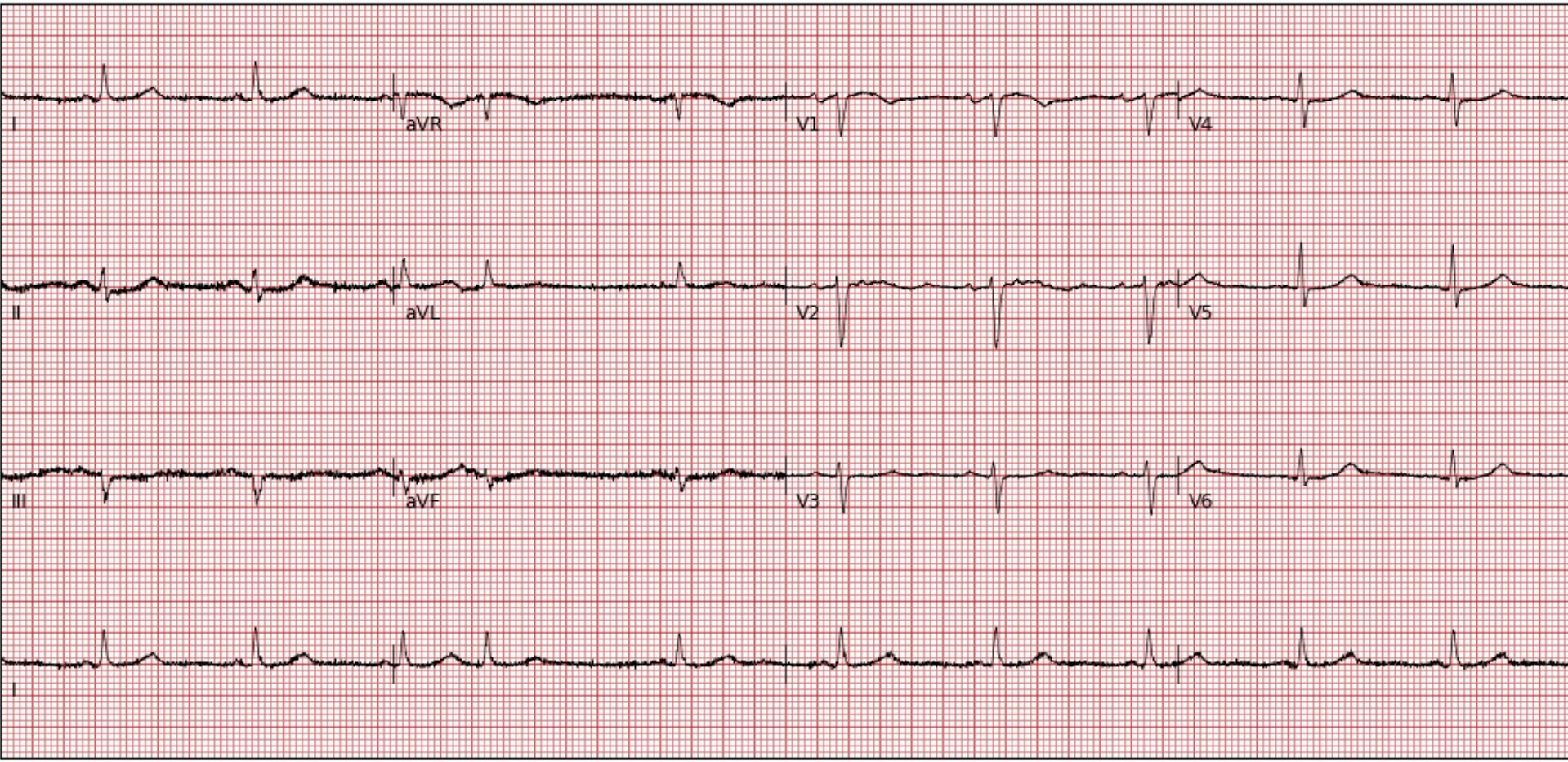


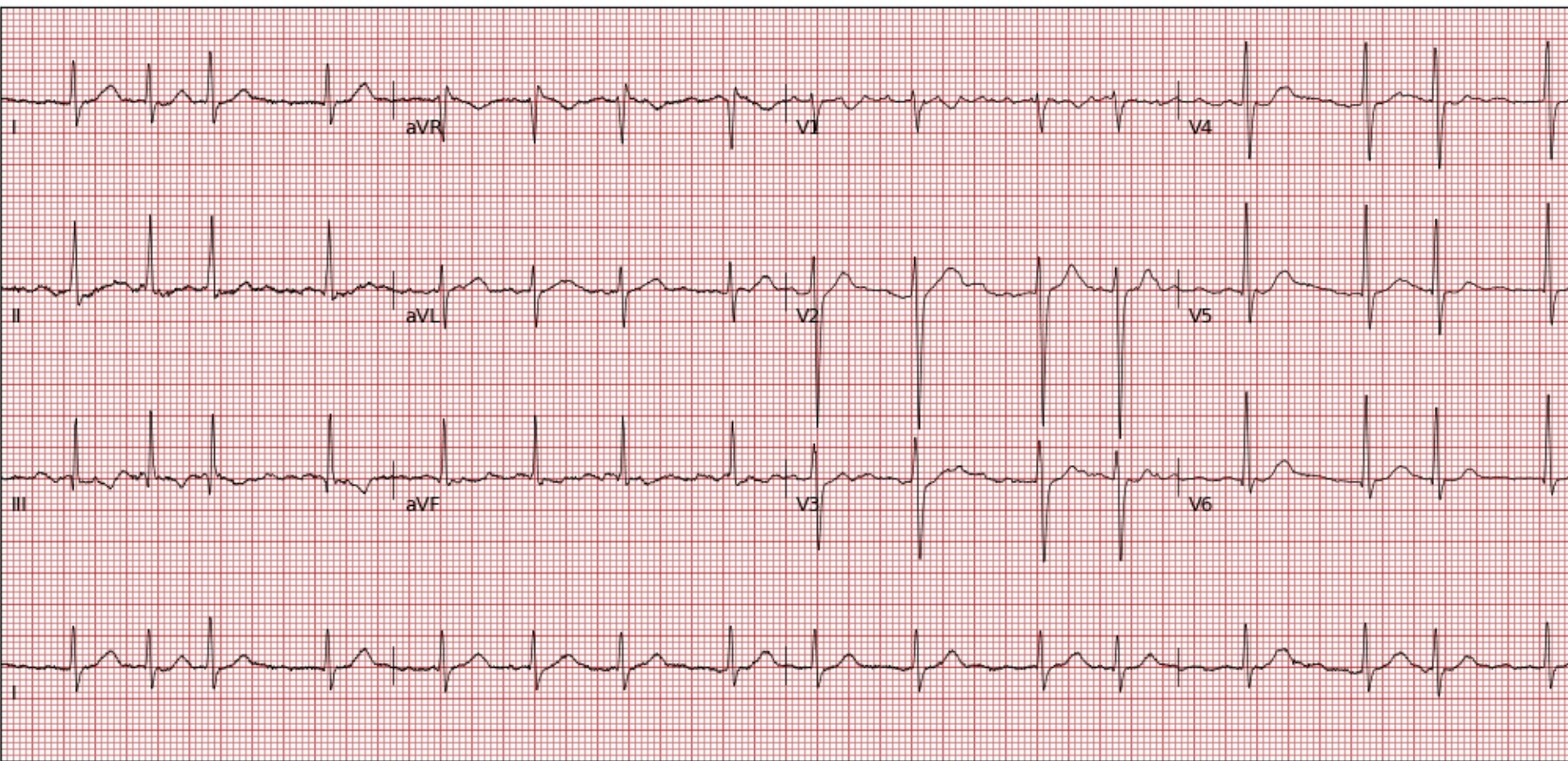


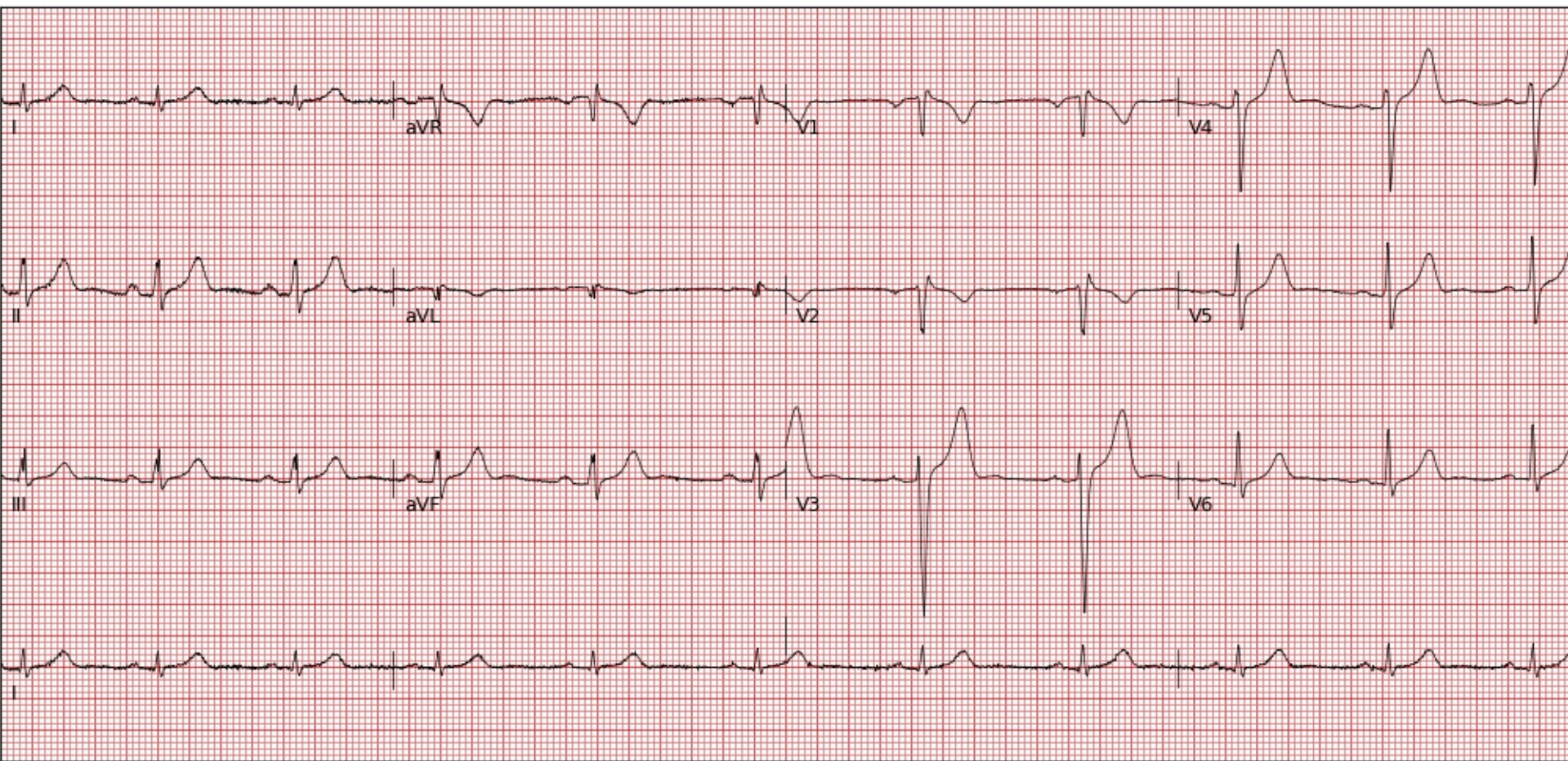


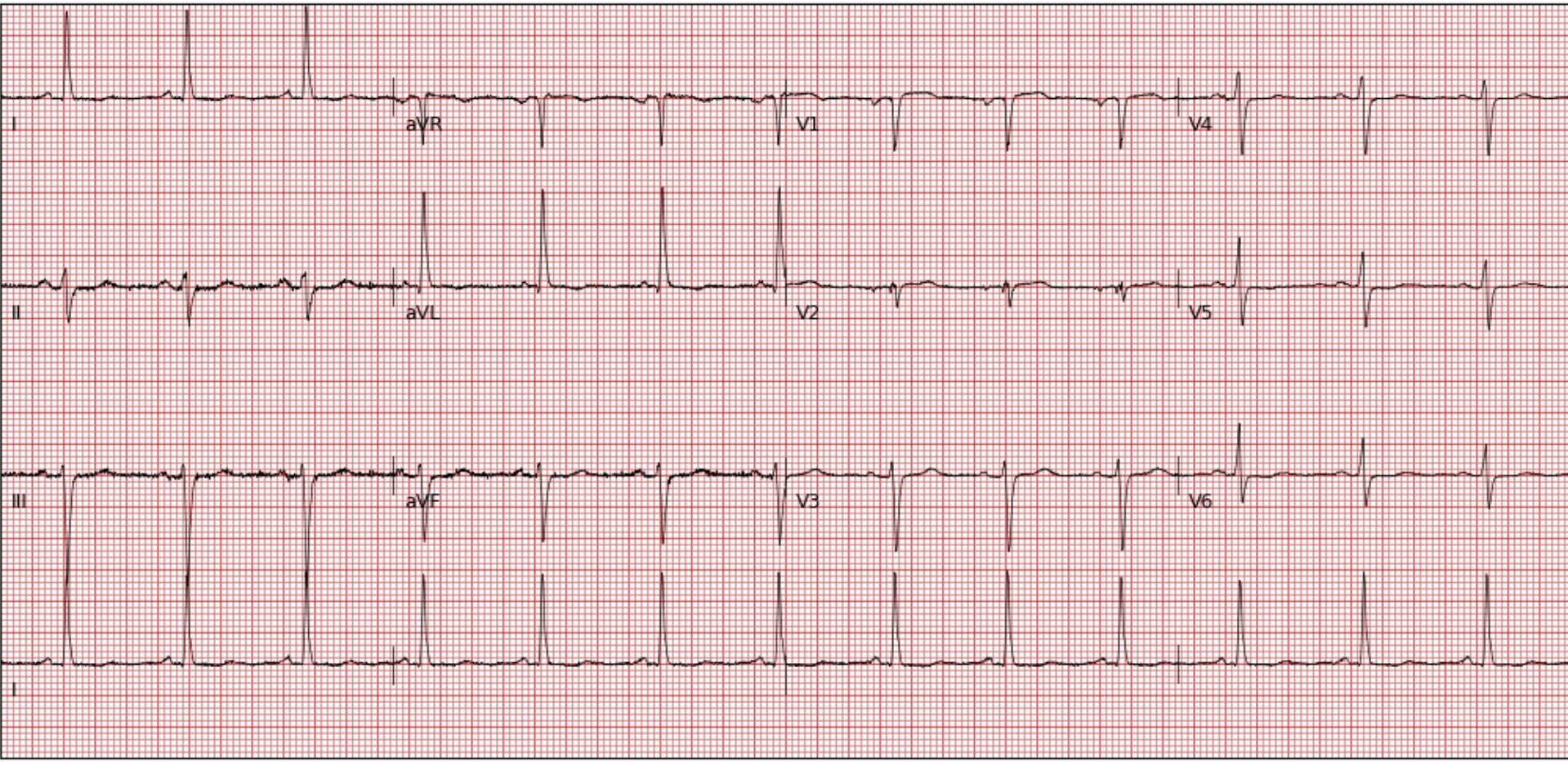


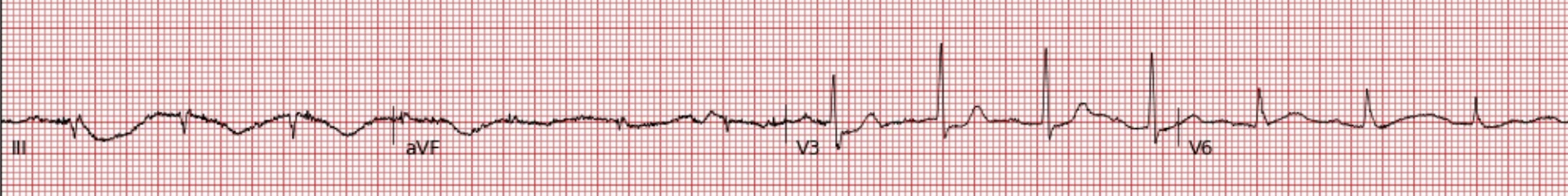
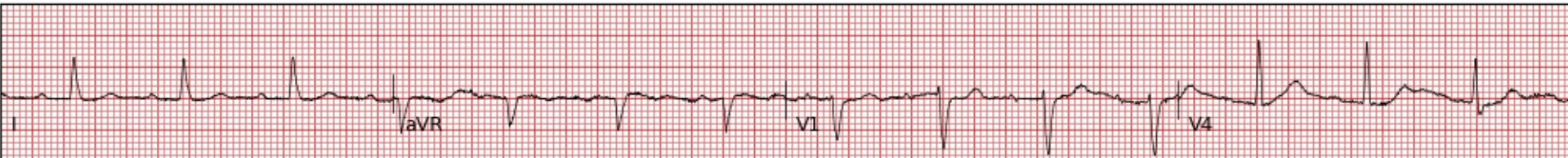


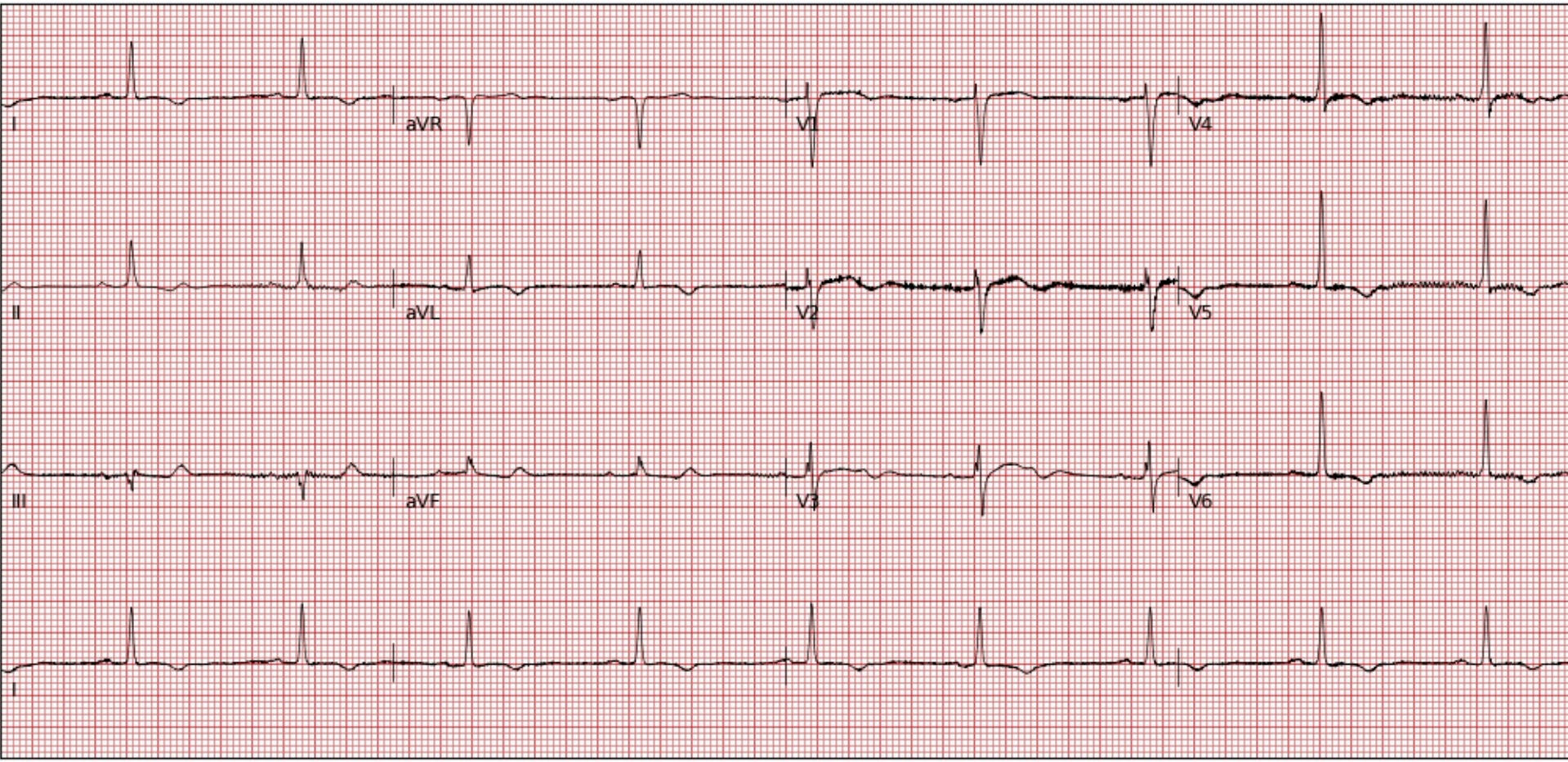


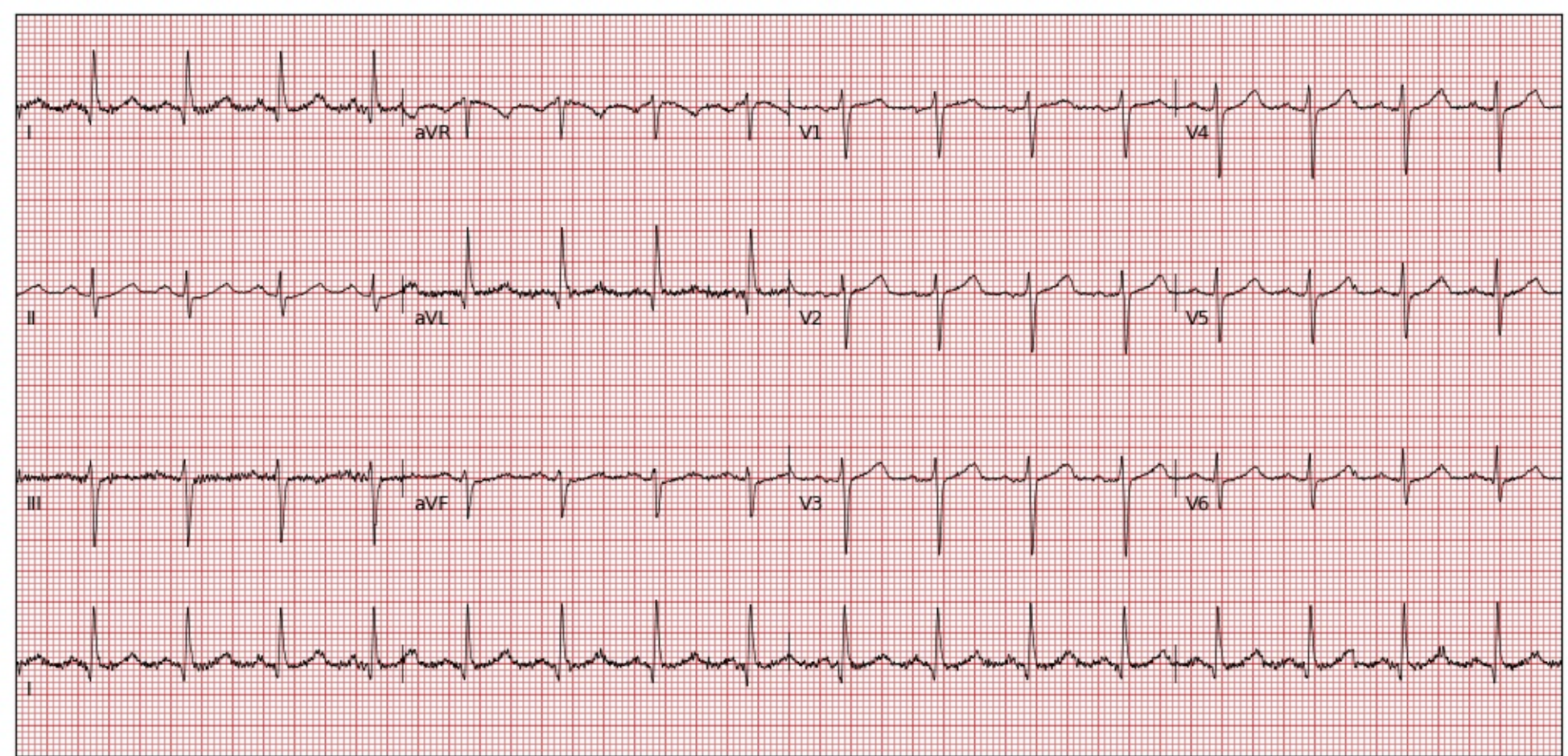


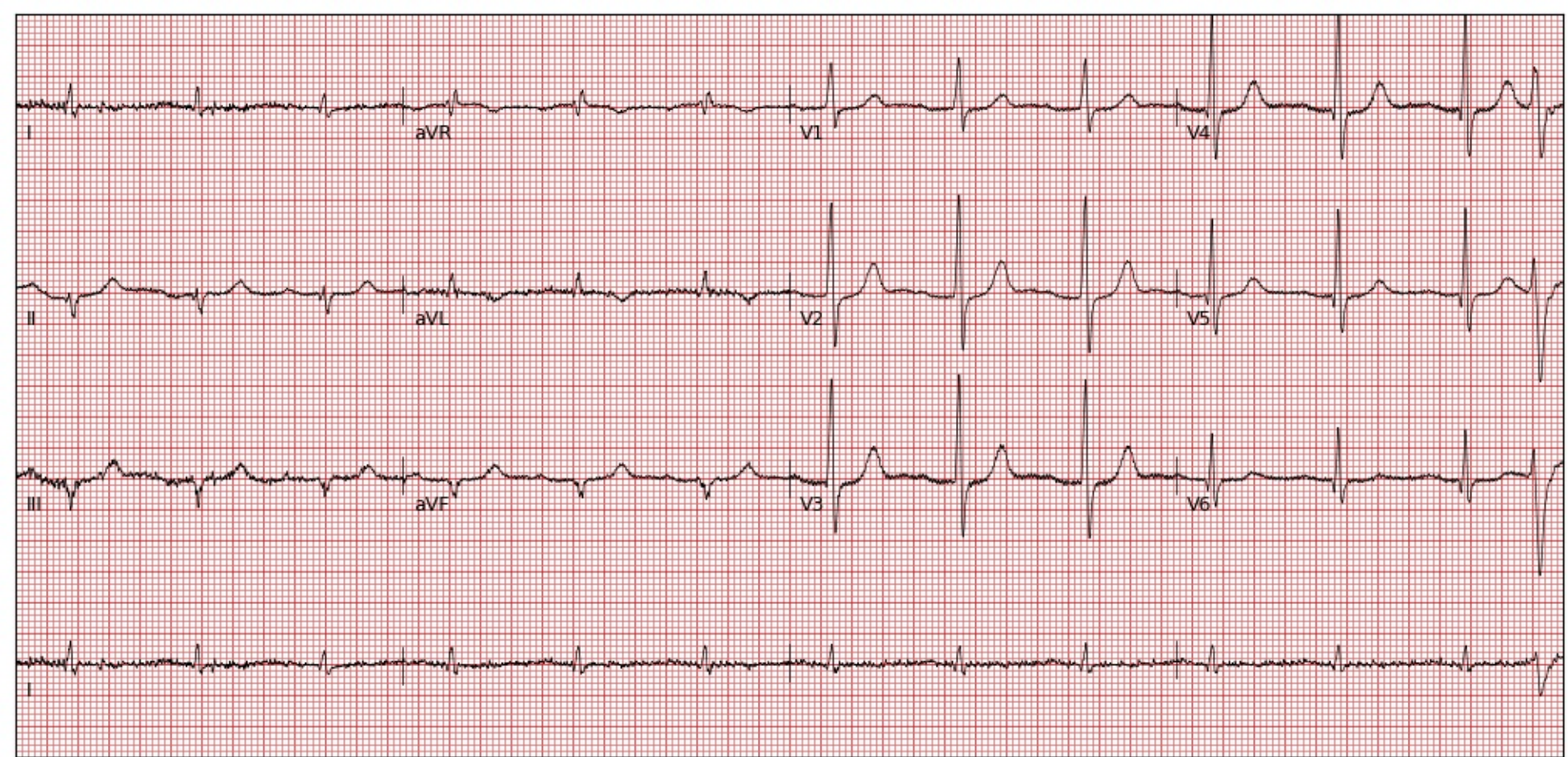


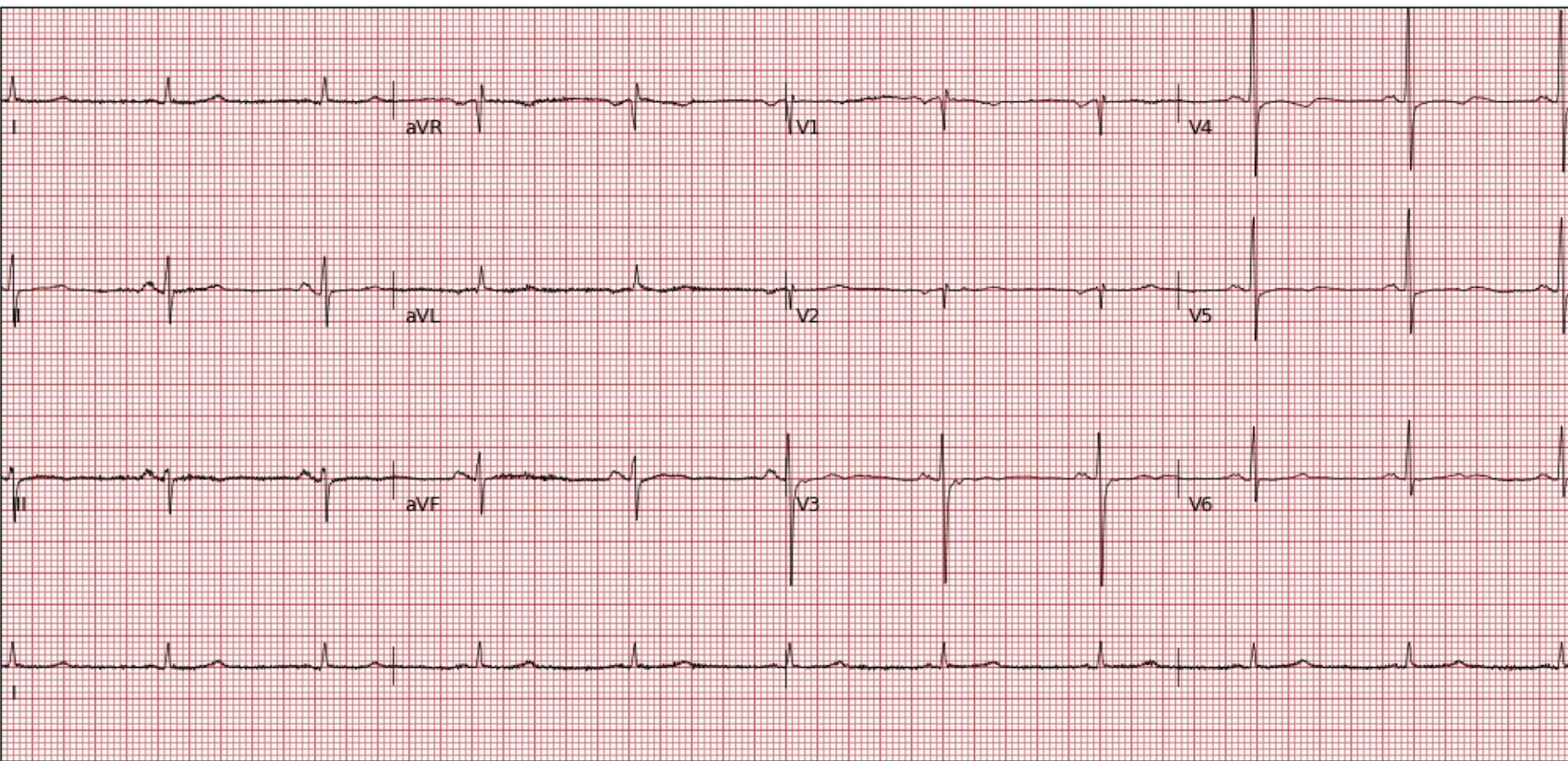


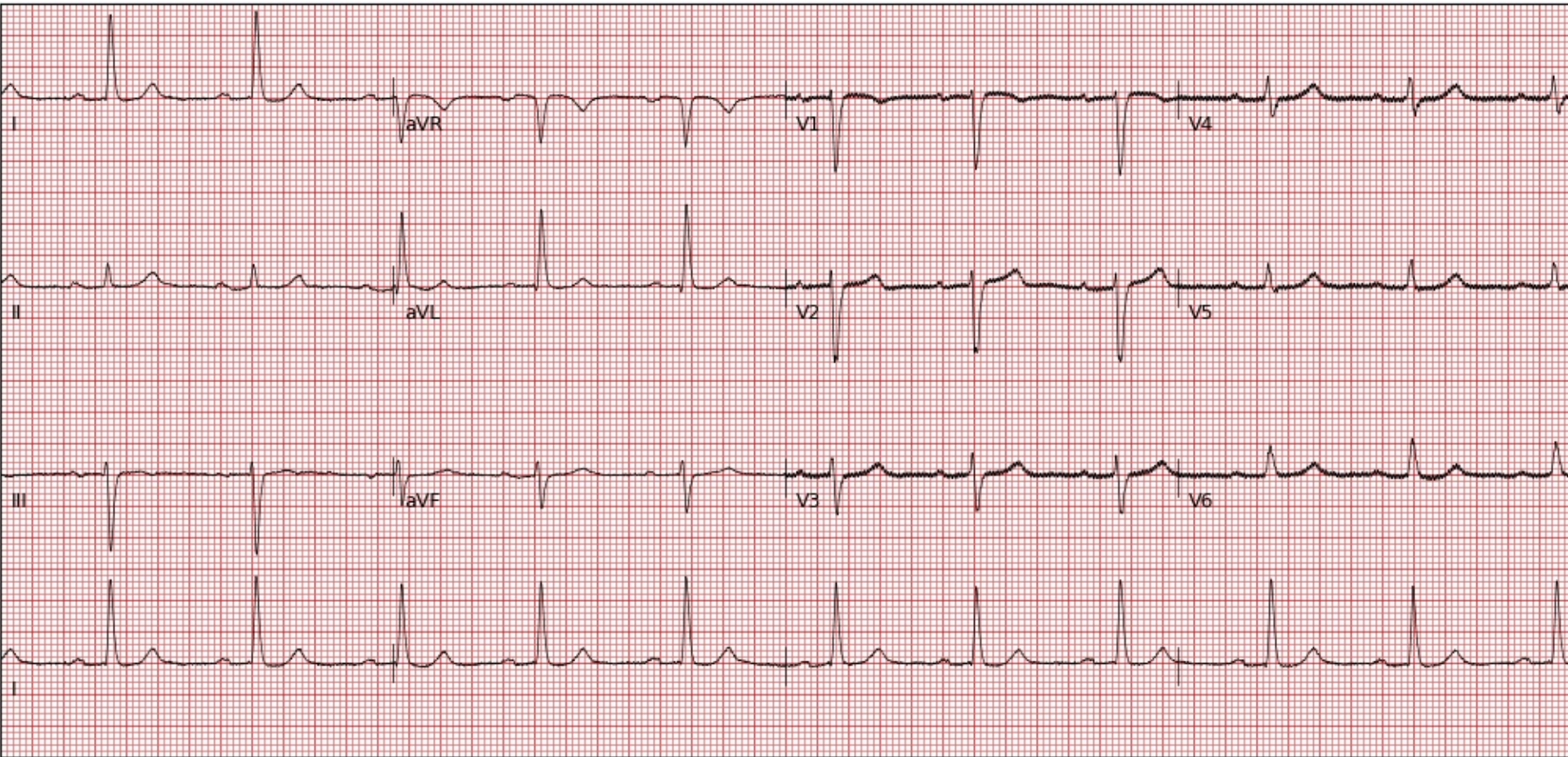


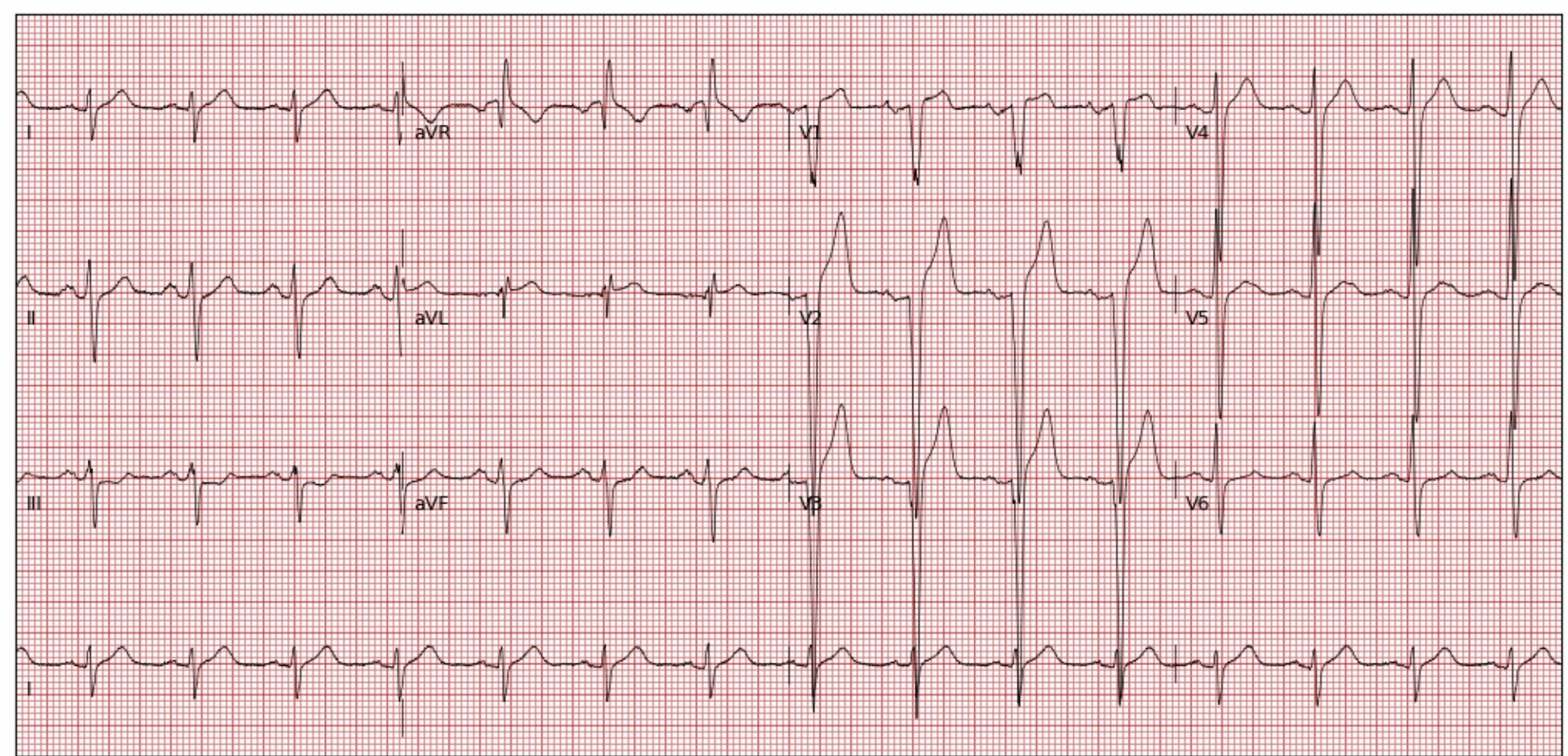


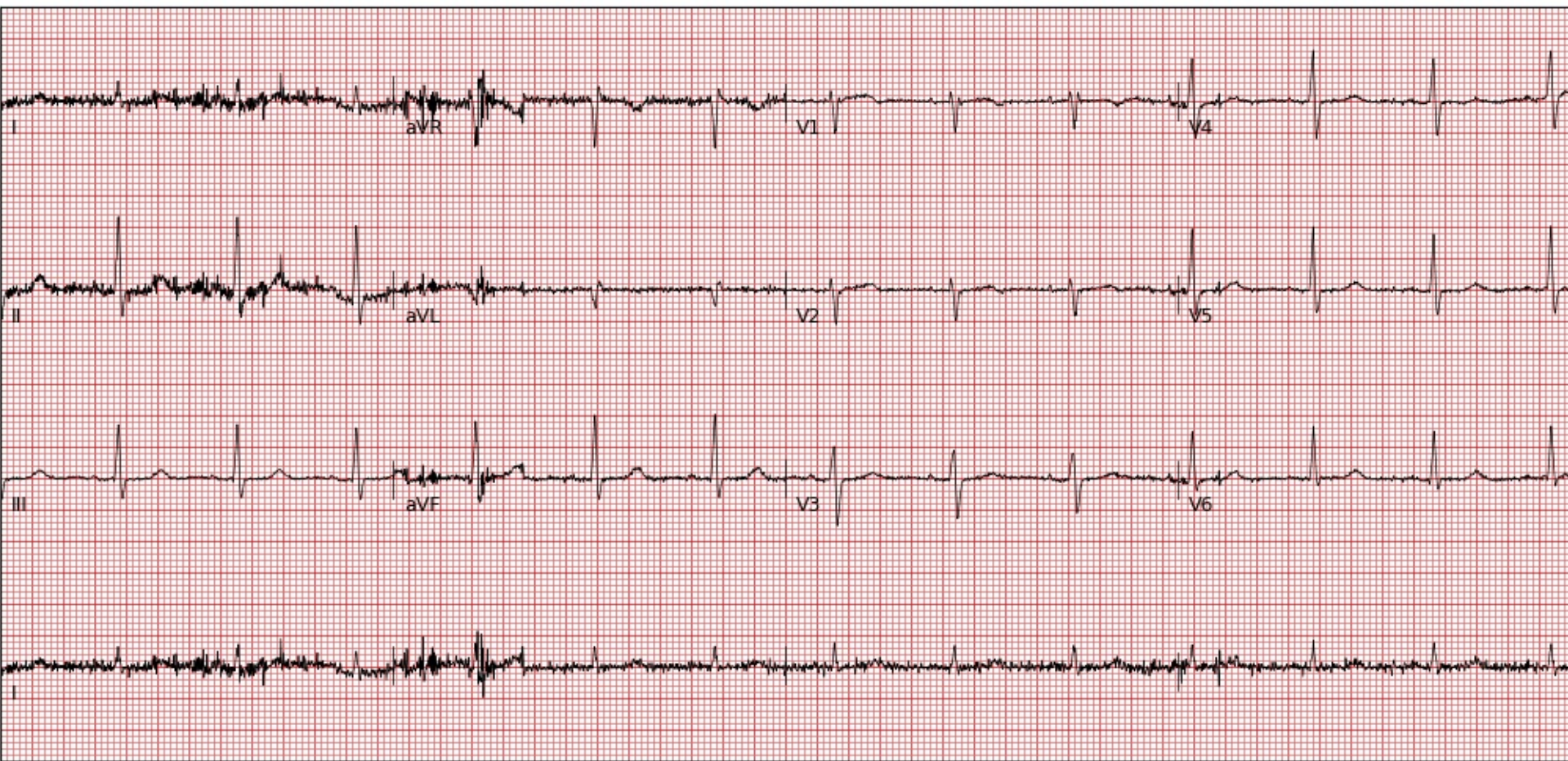




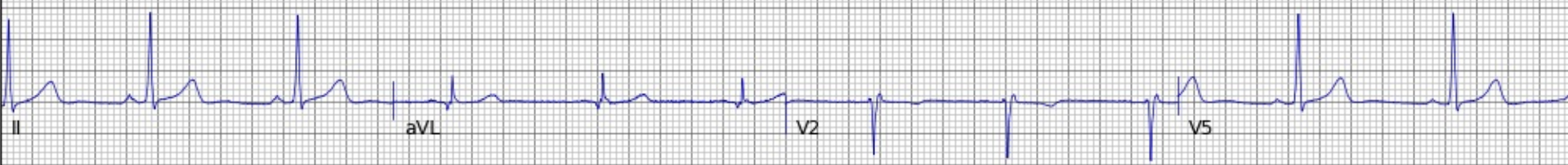






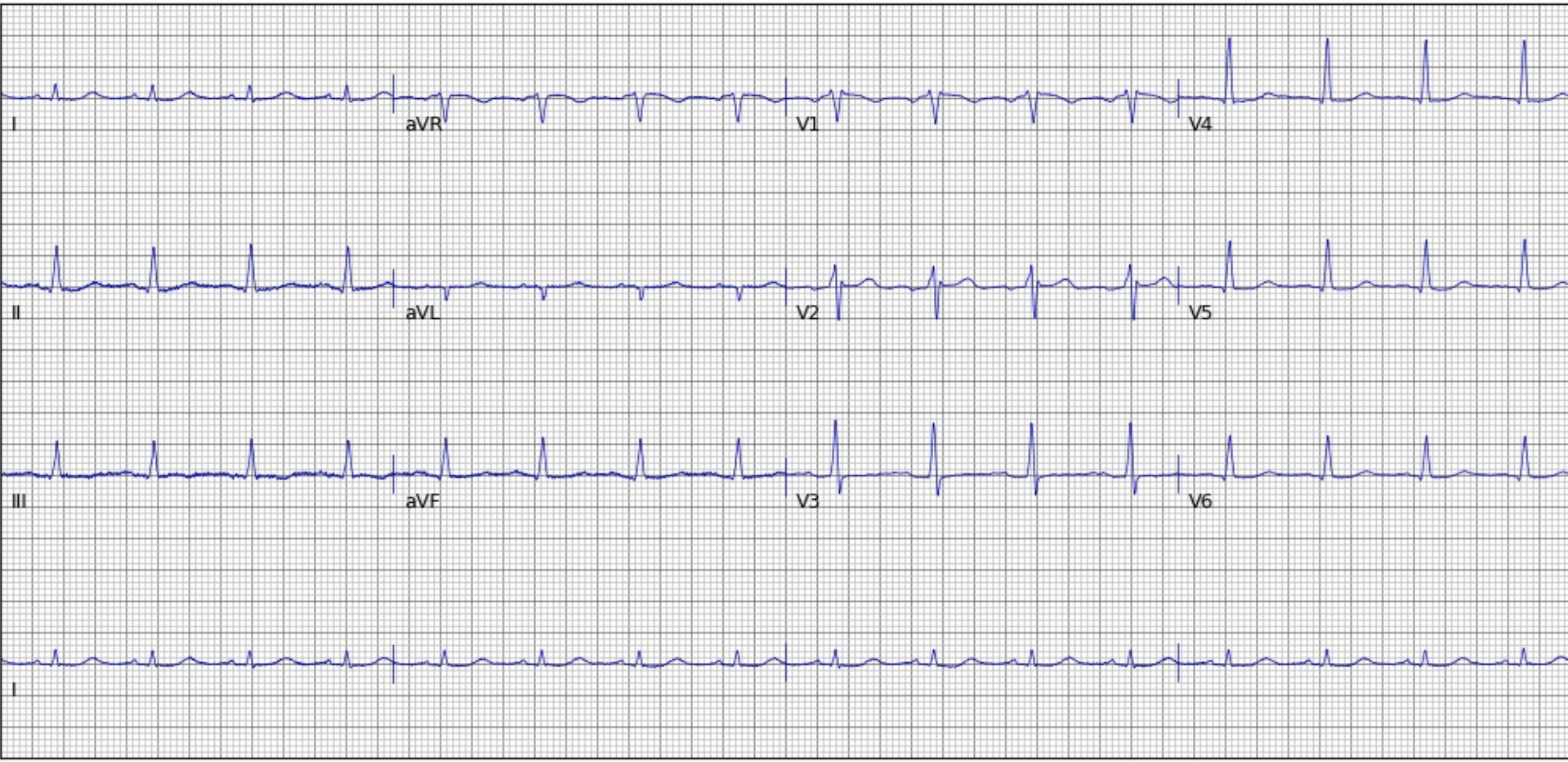


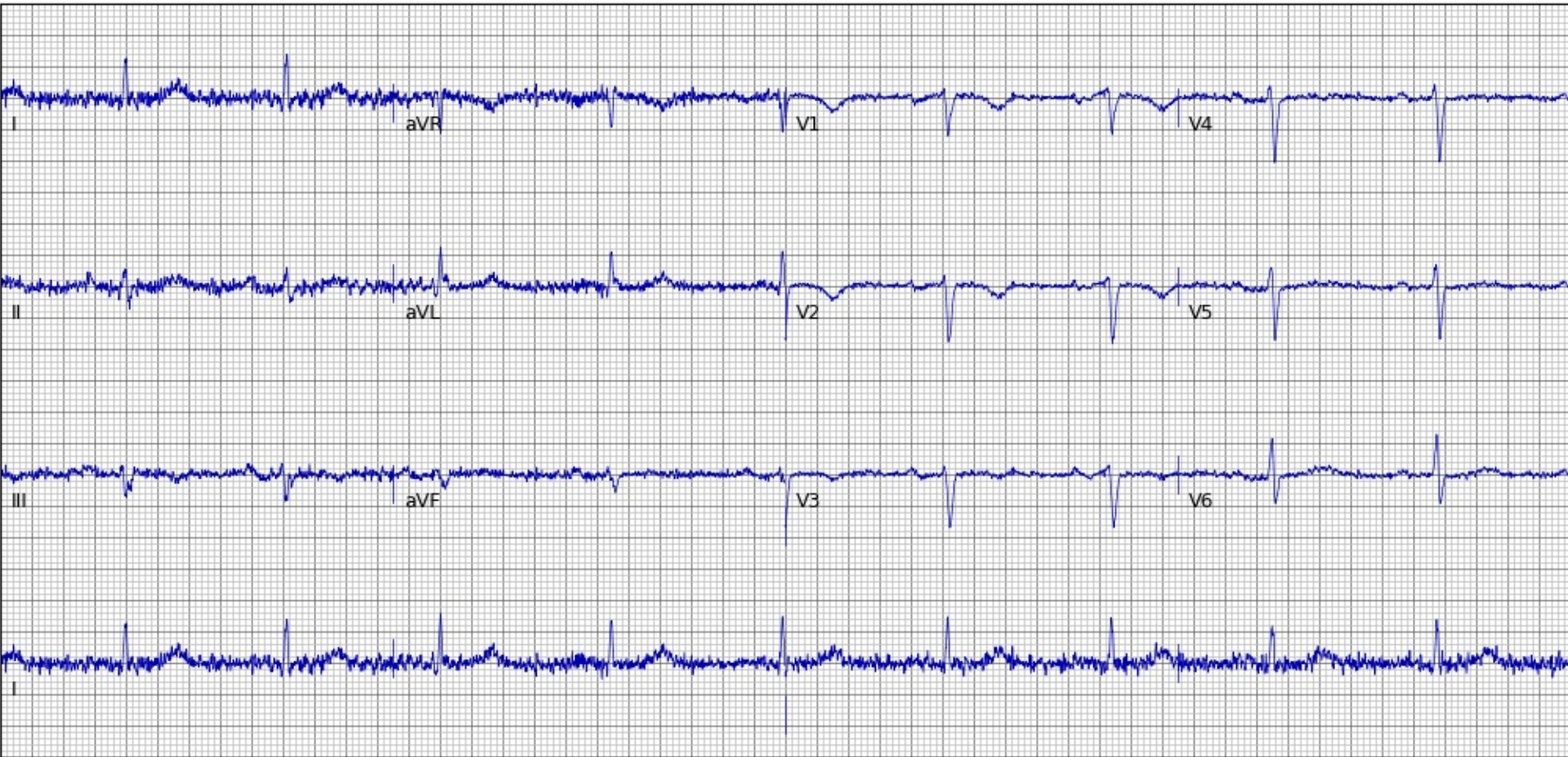
Section 4. Random examples of 25 electrocardiogram images plotted in novel format (Blue-on-Black Standard) not encountered during model development

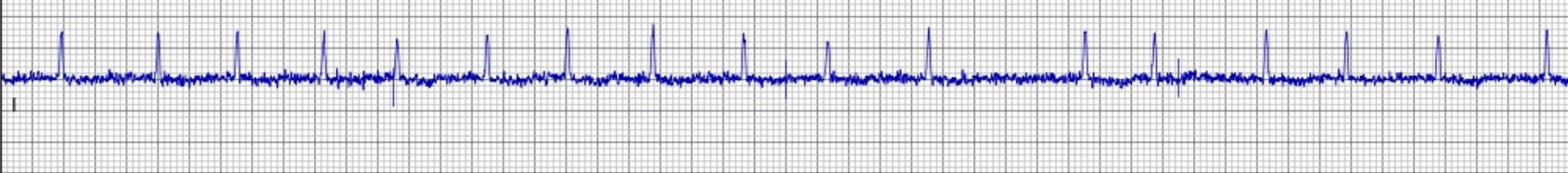
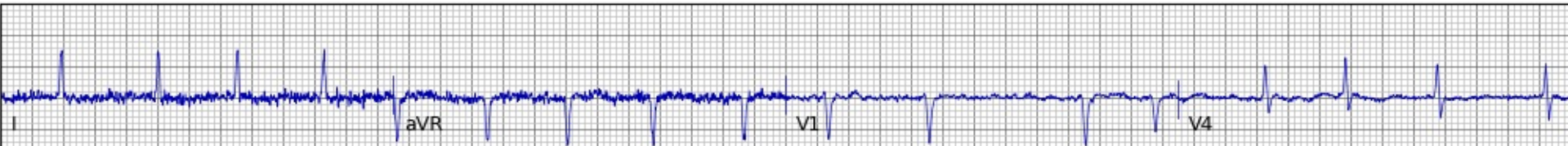


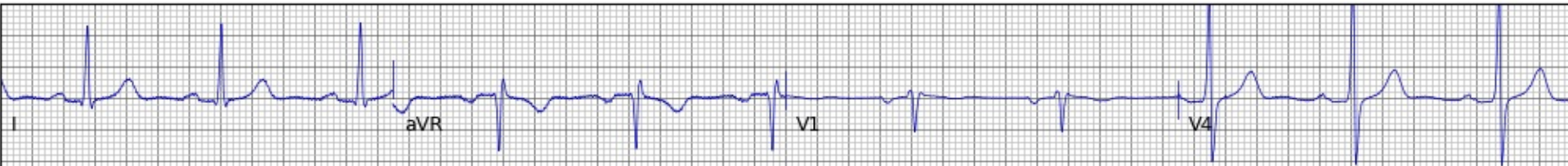


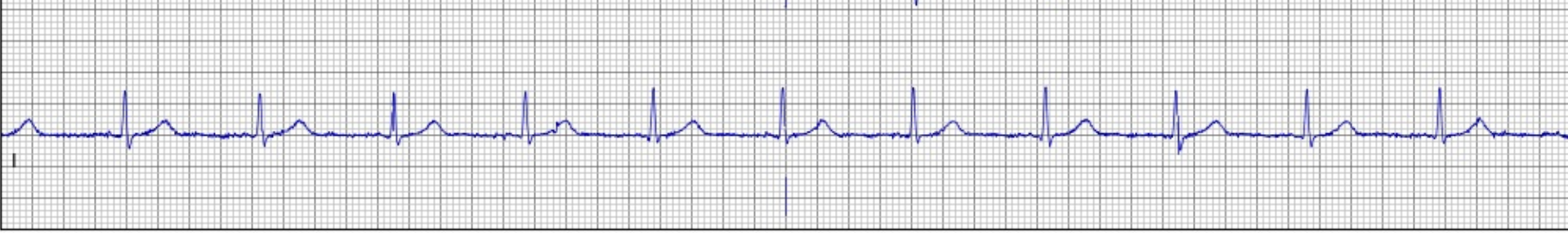
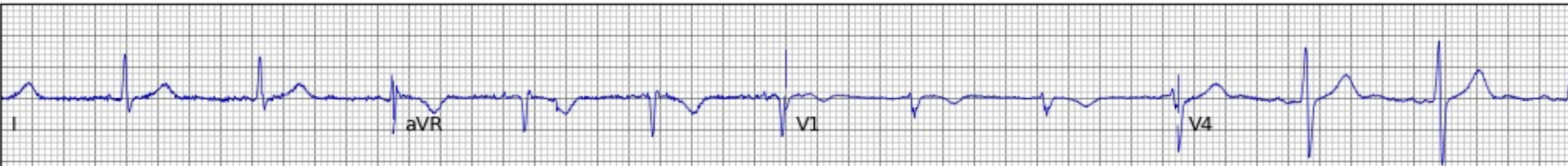


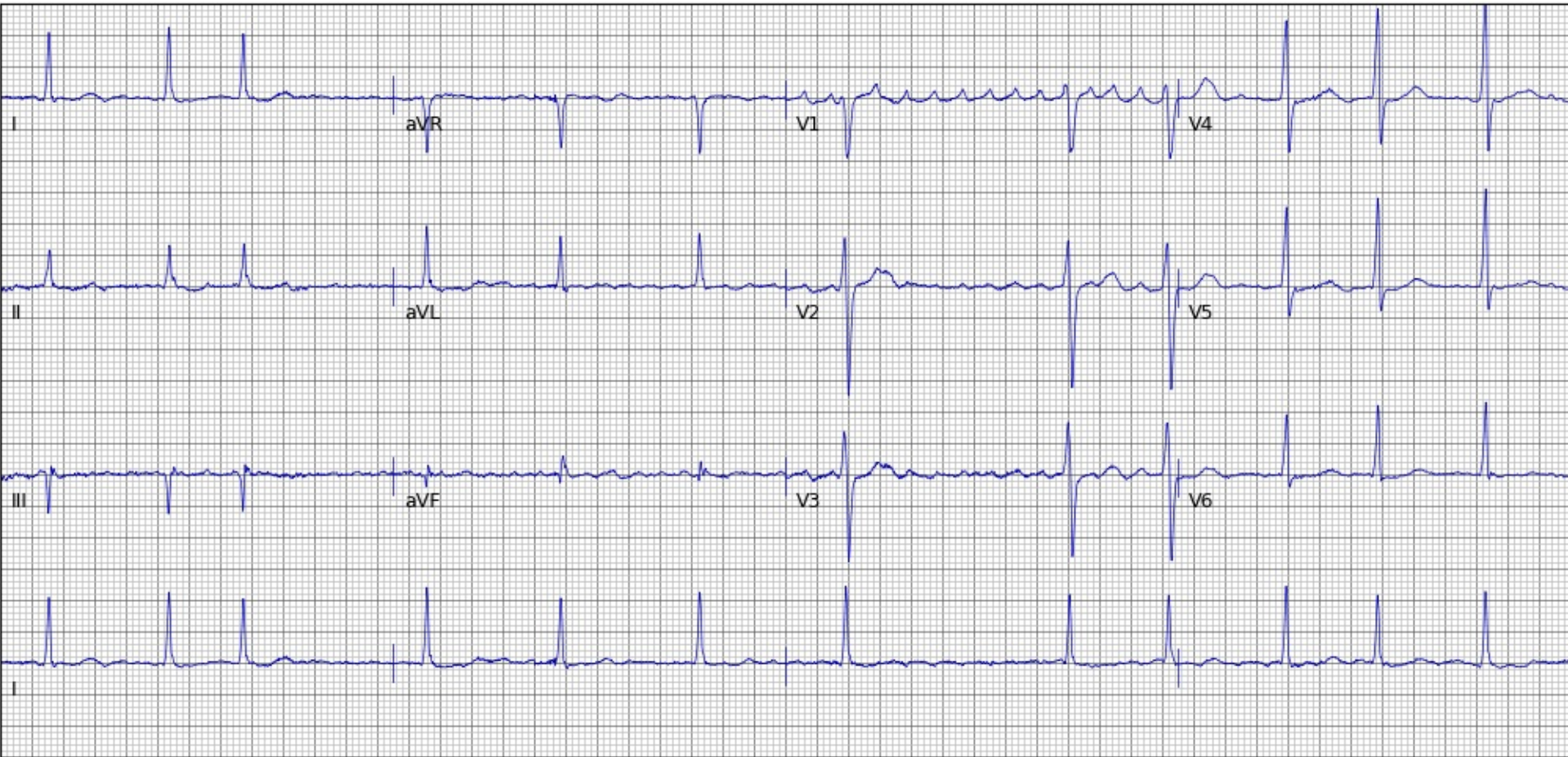


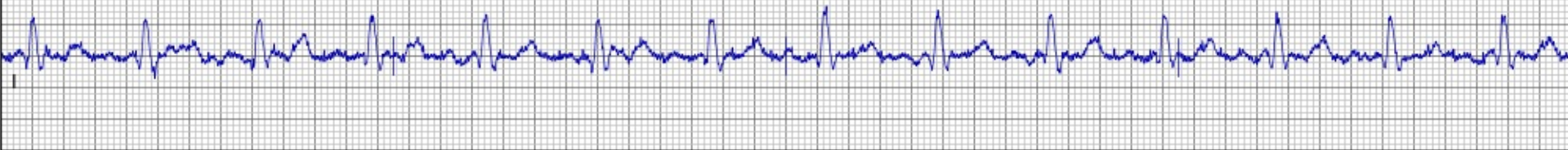
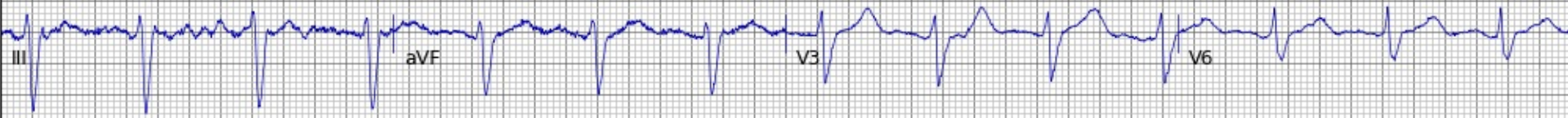
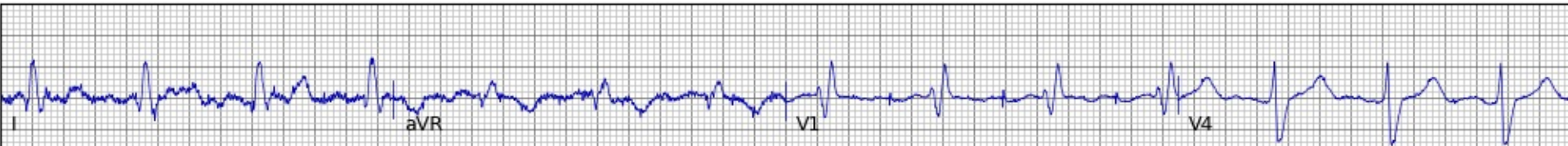


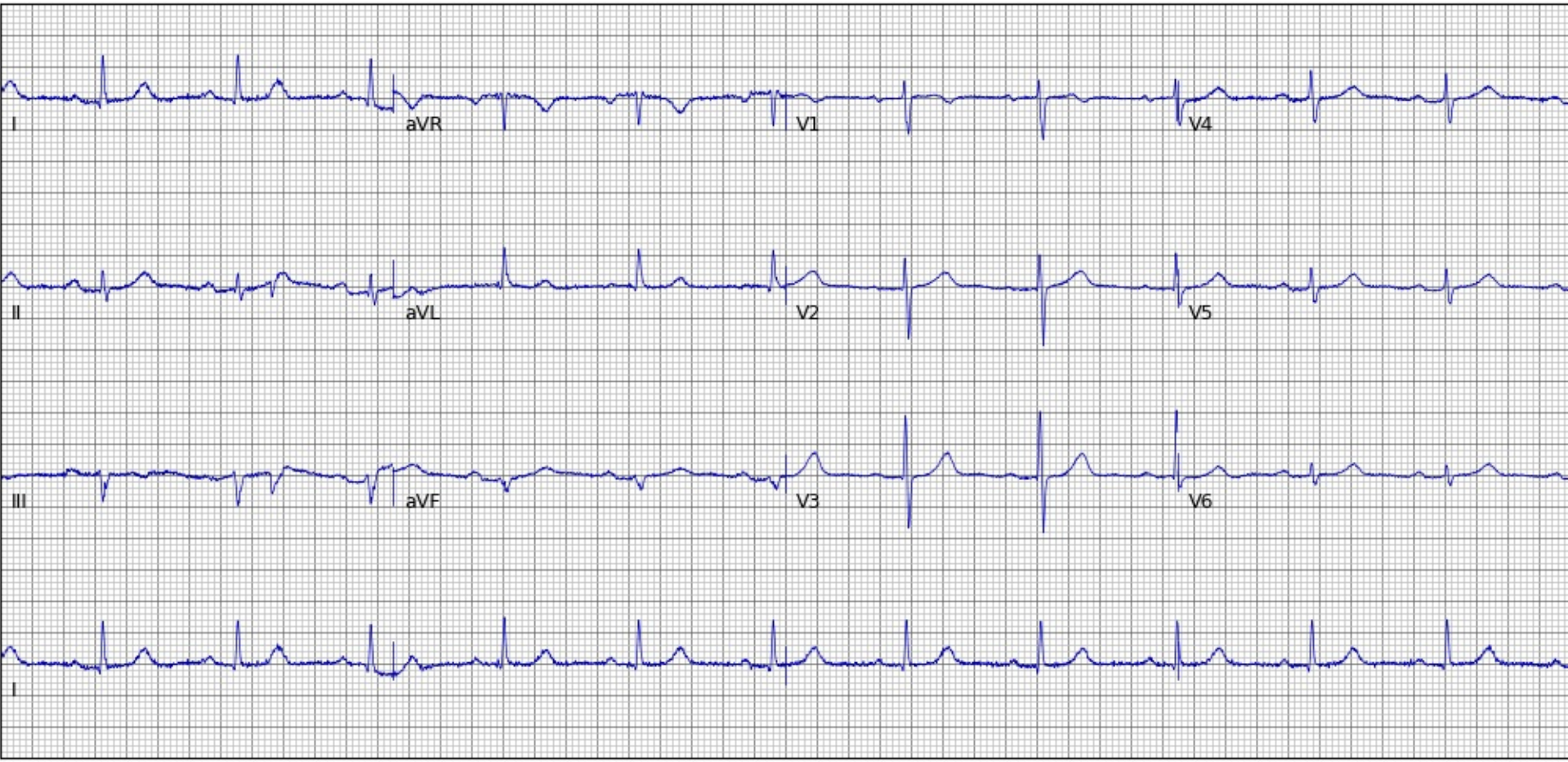


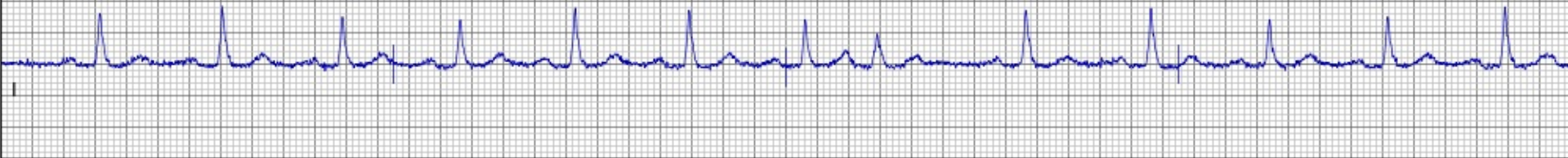
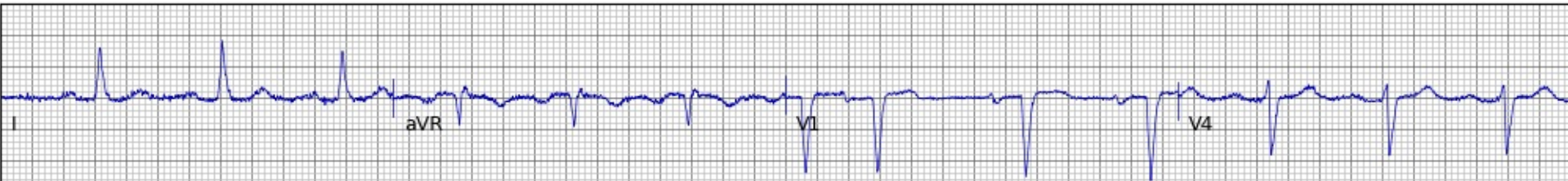


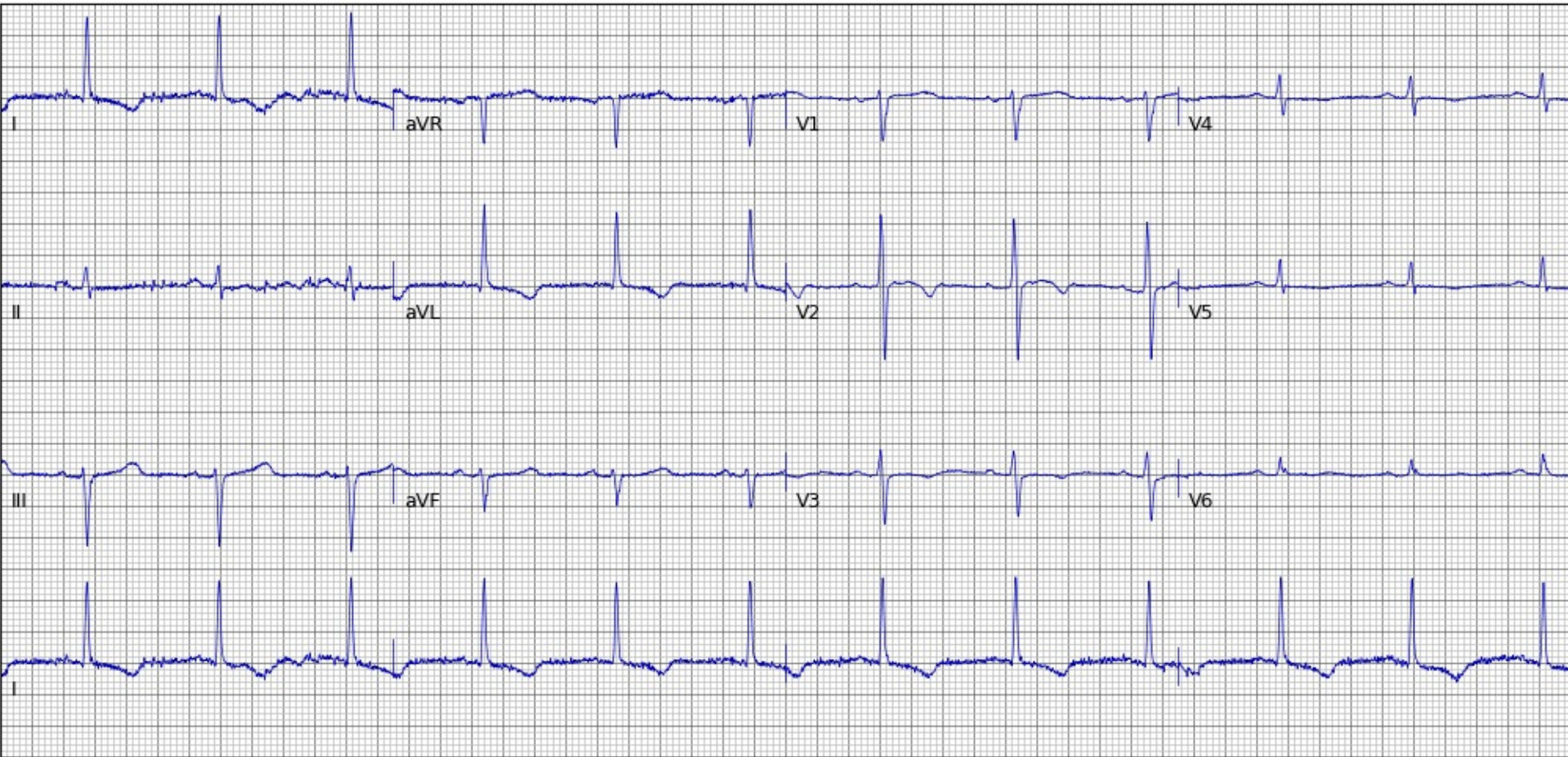




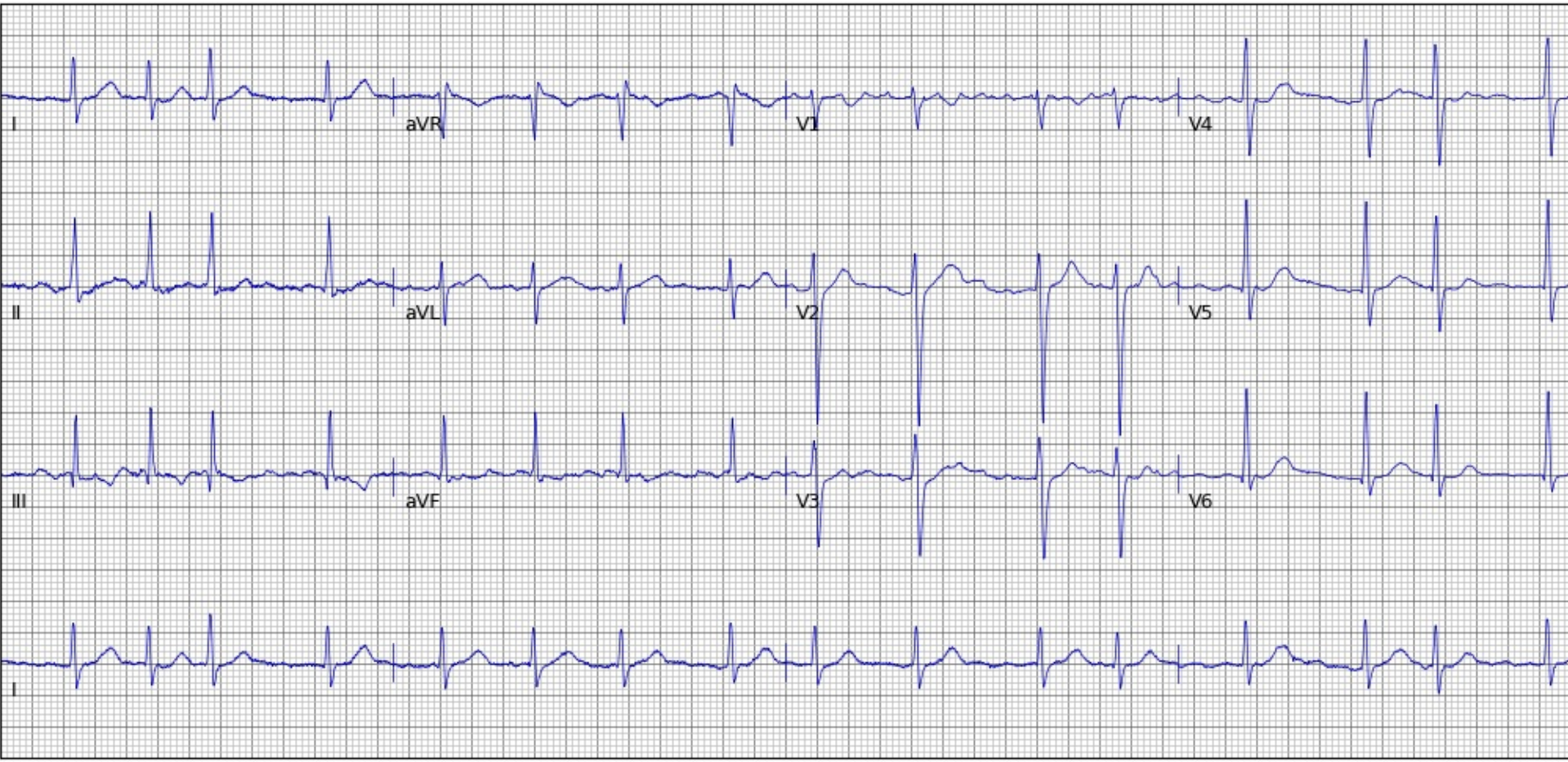


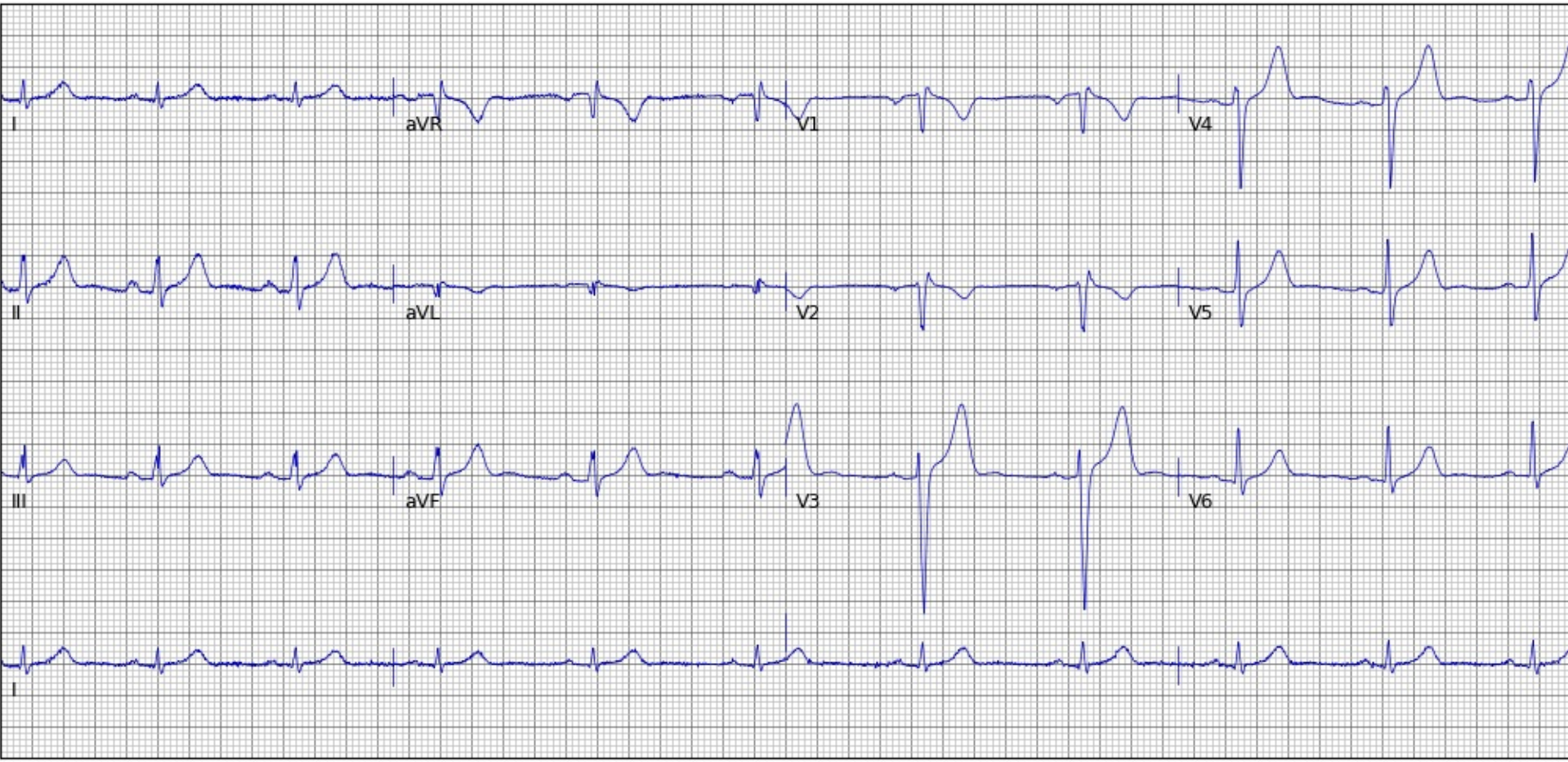










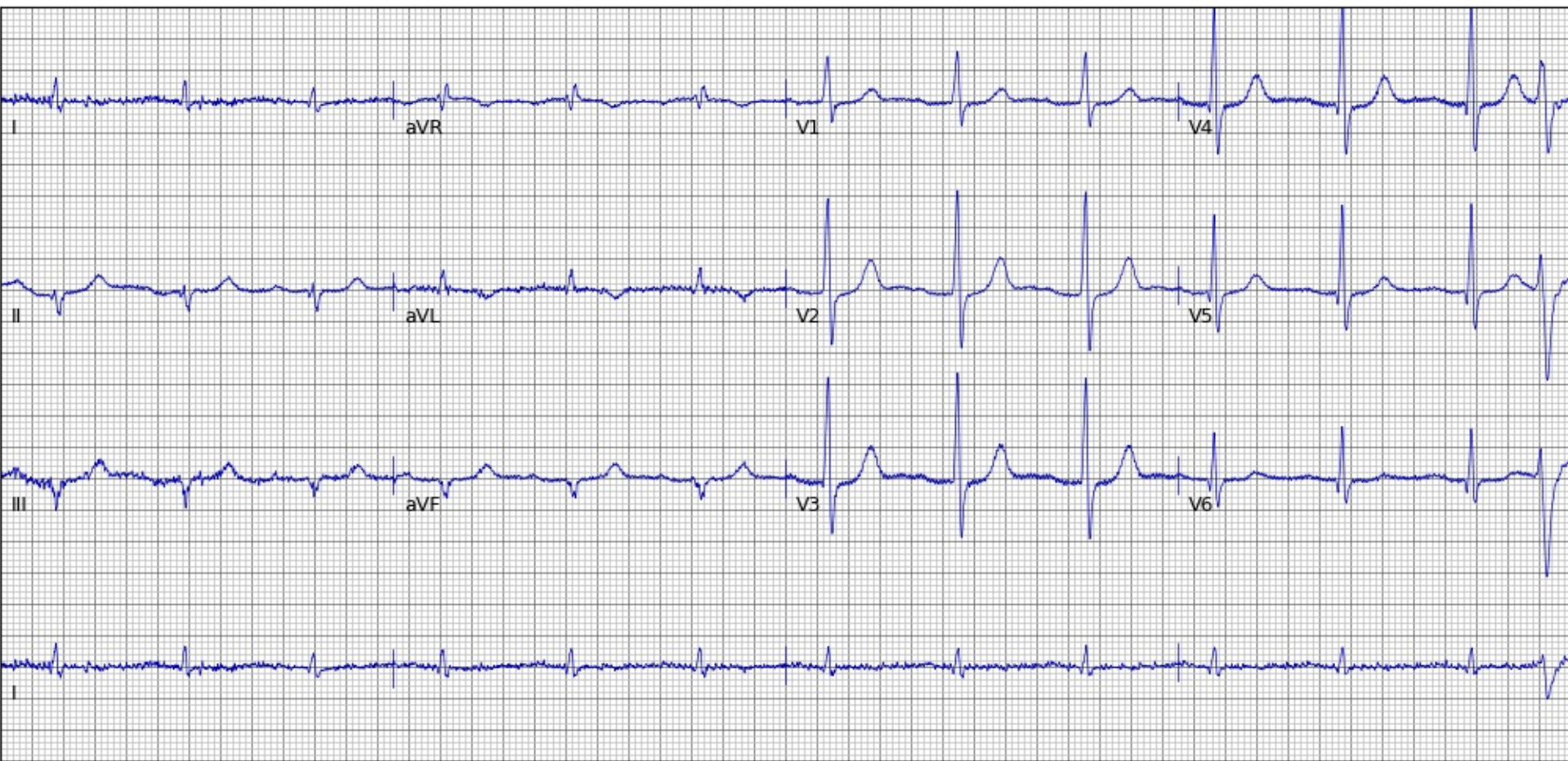


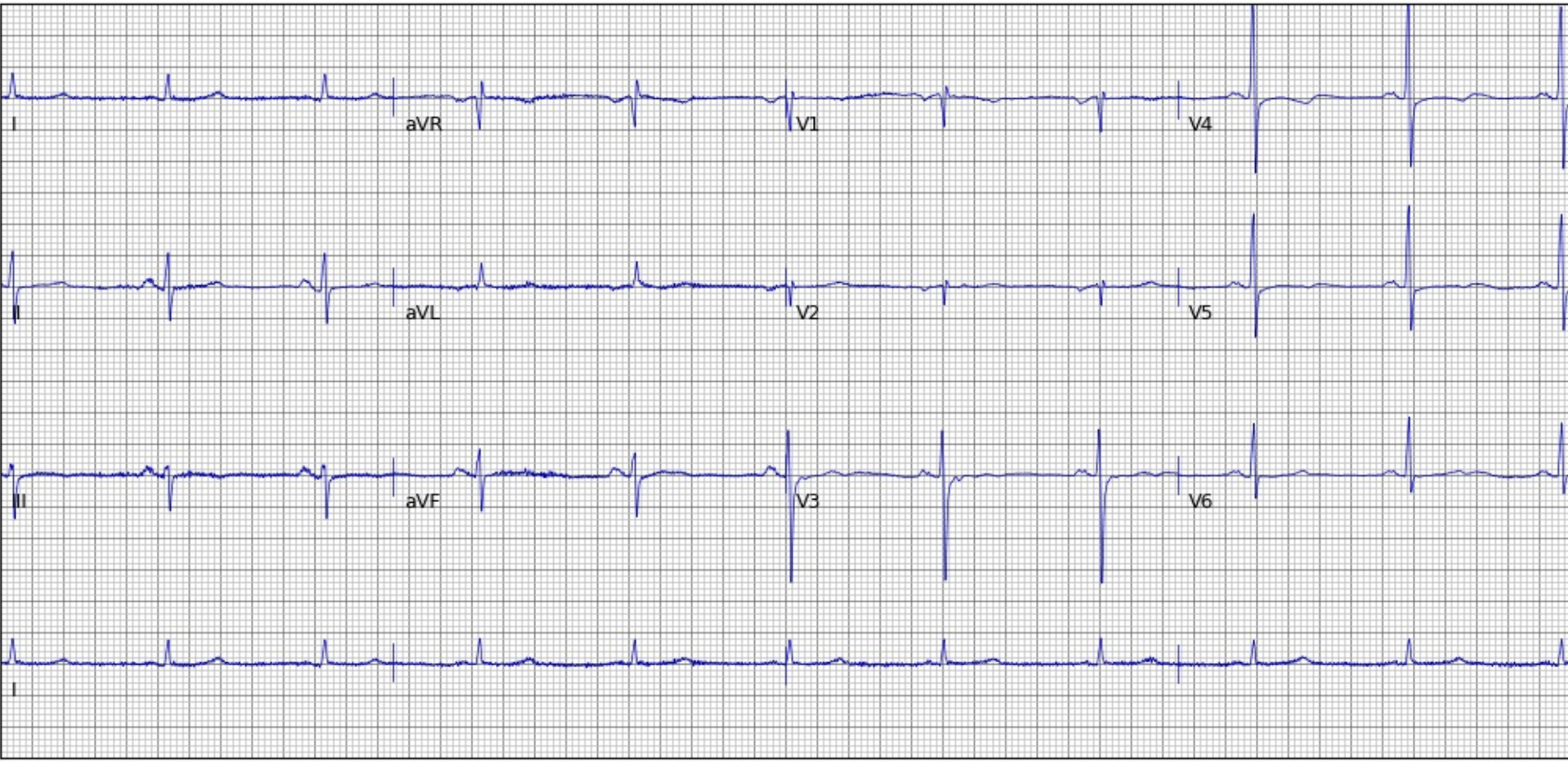


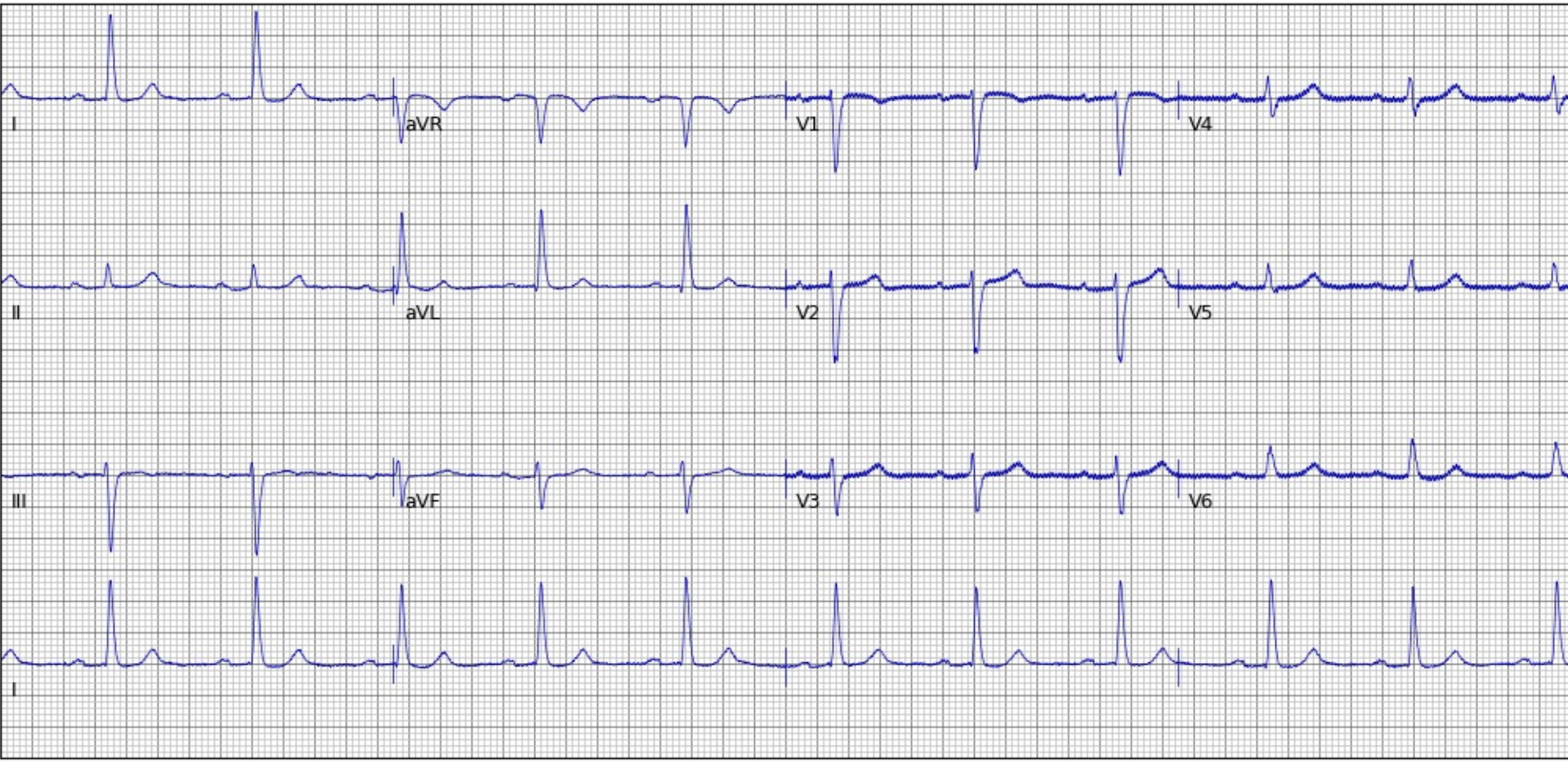


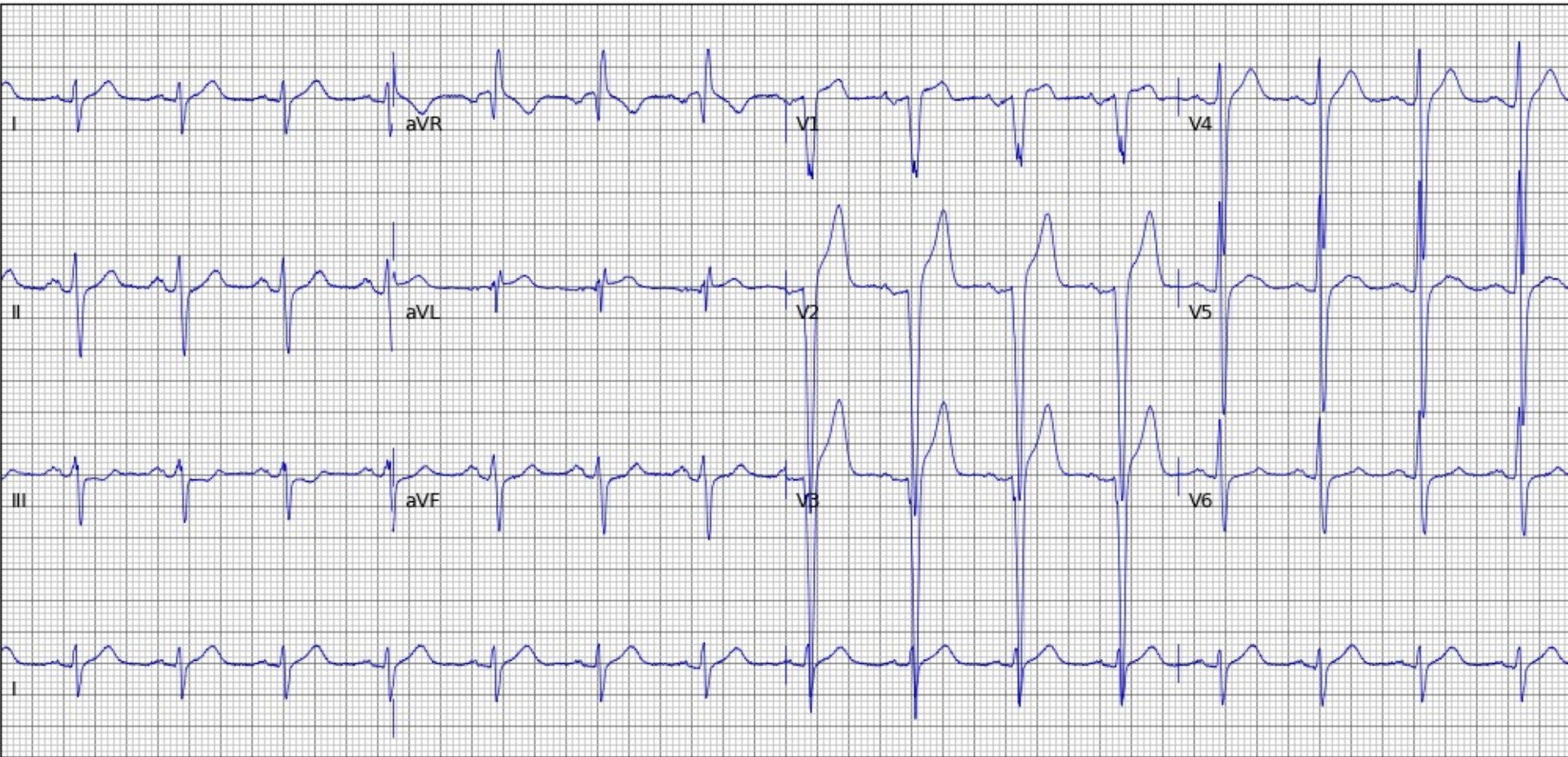


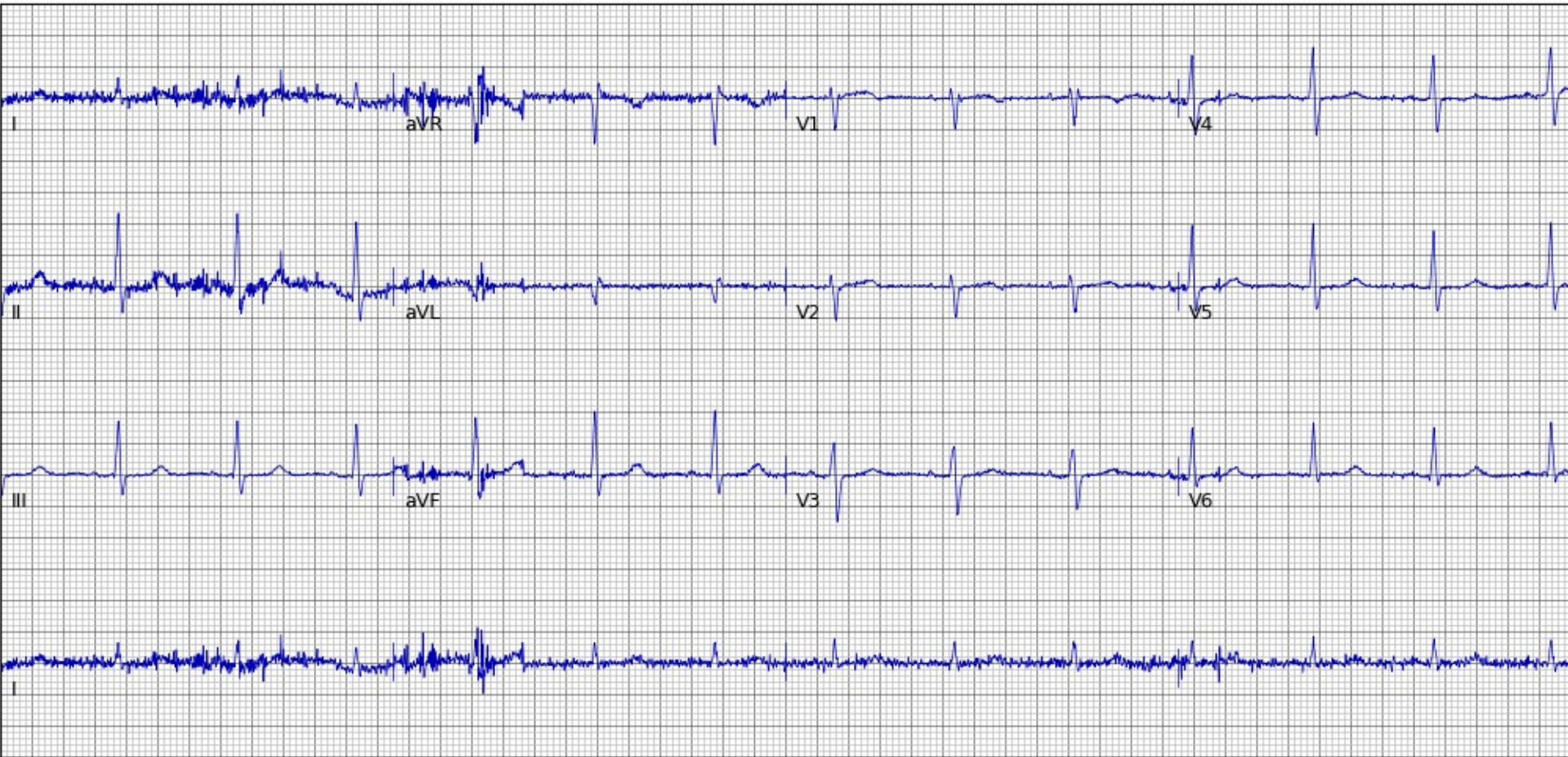




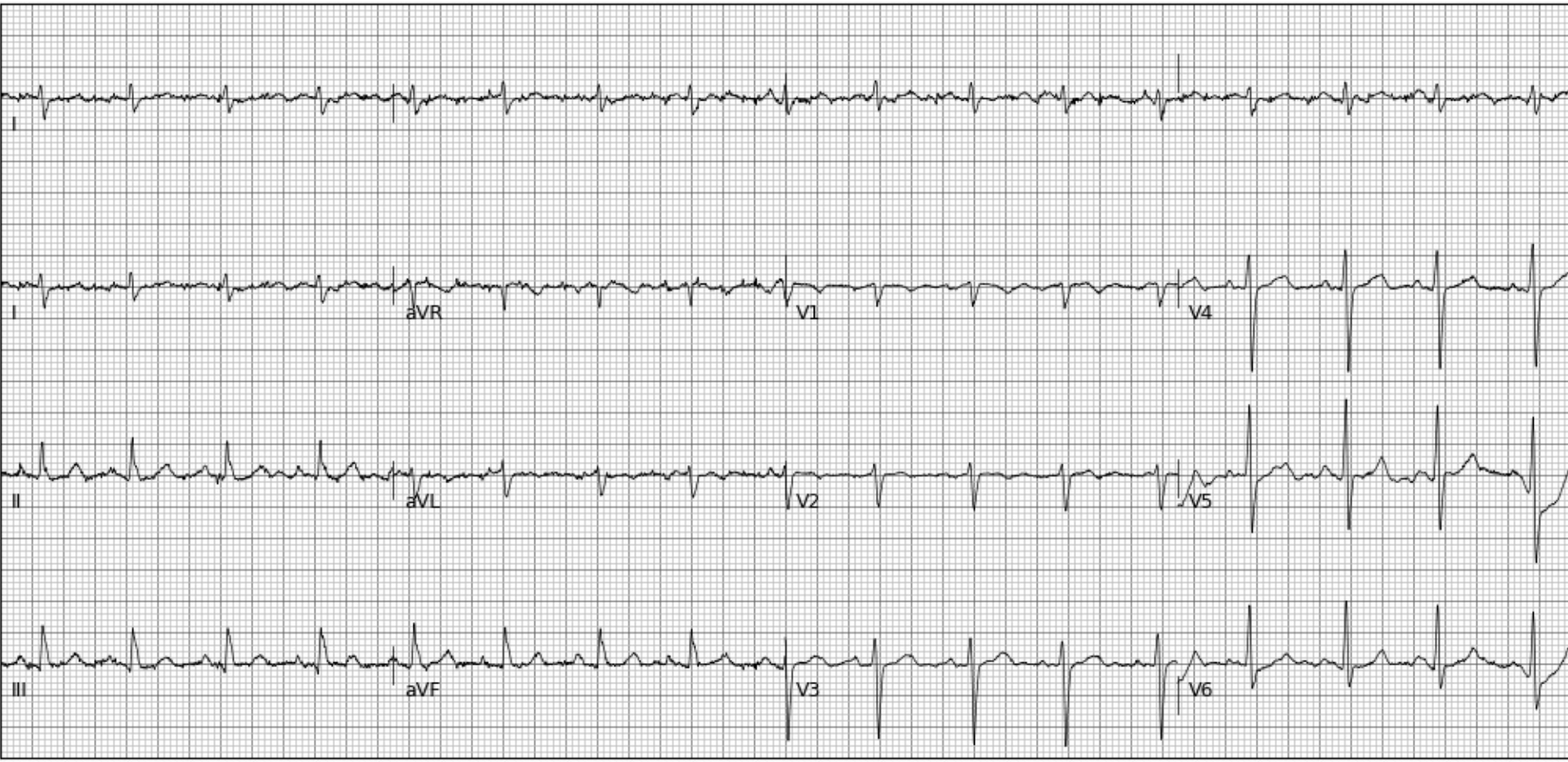


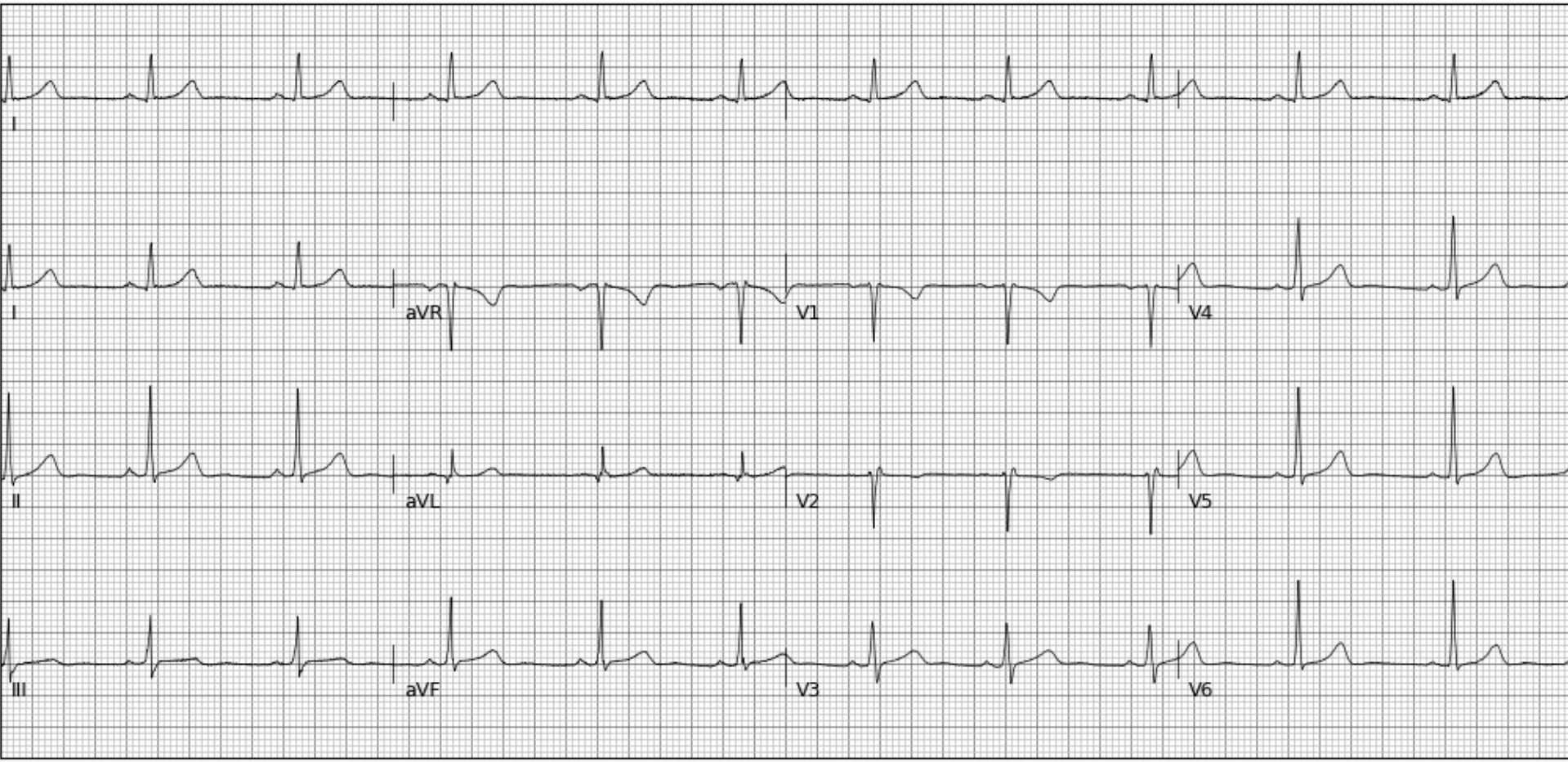


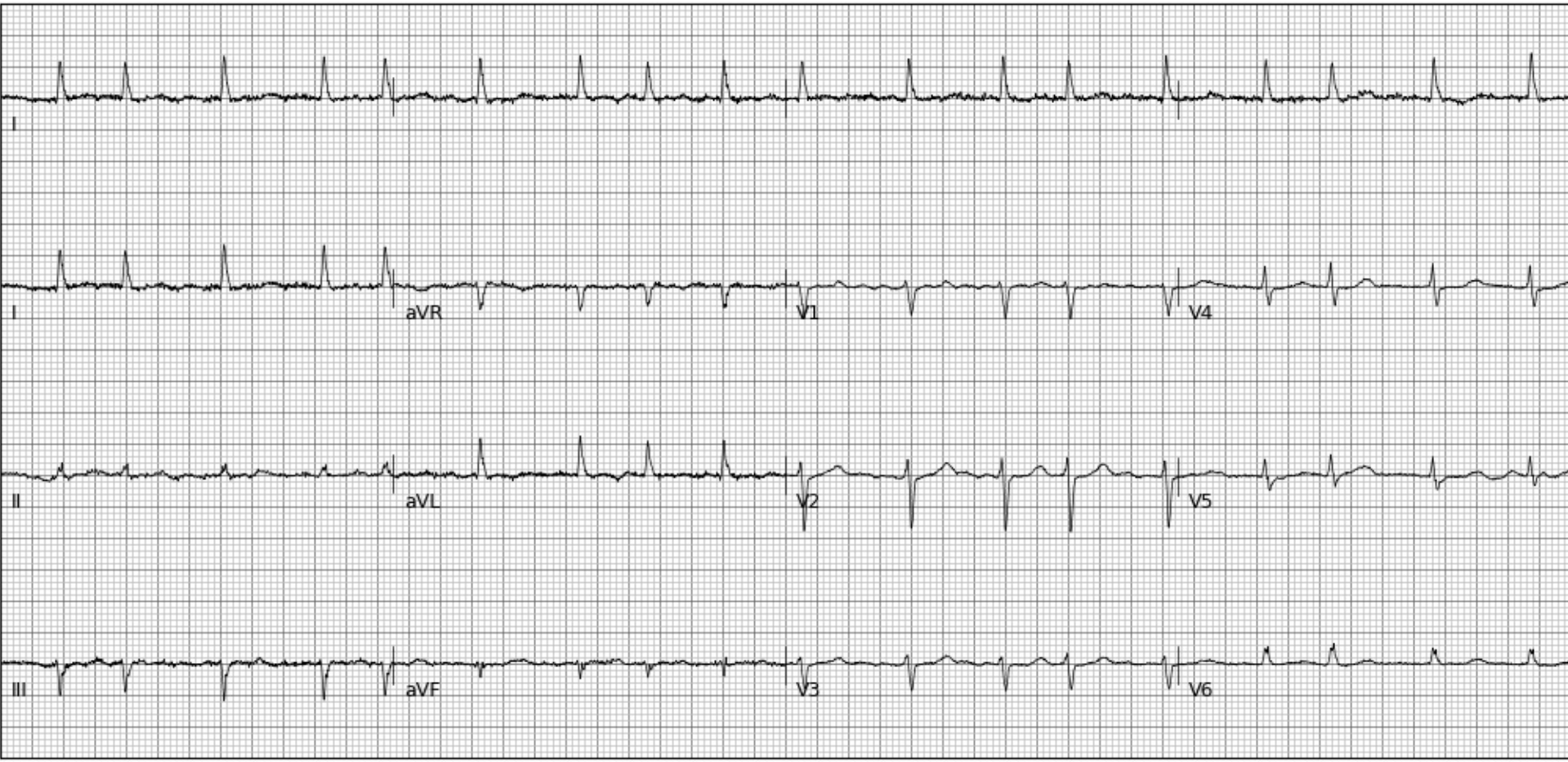


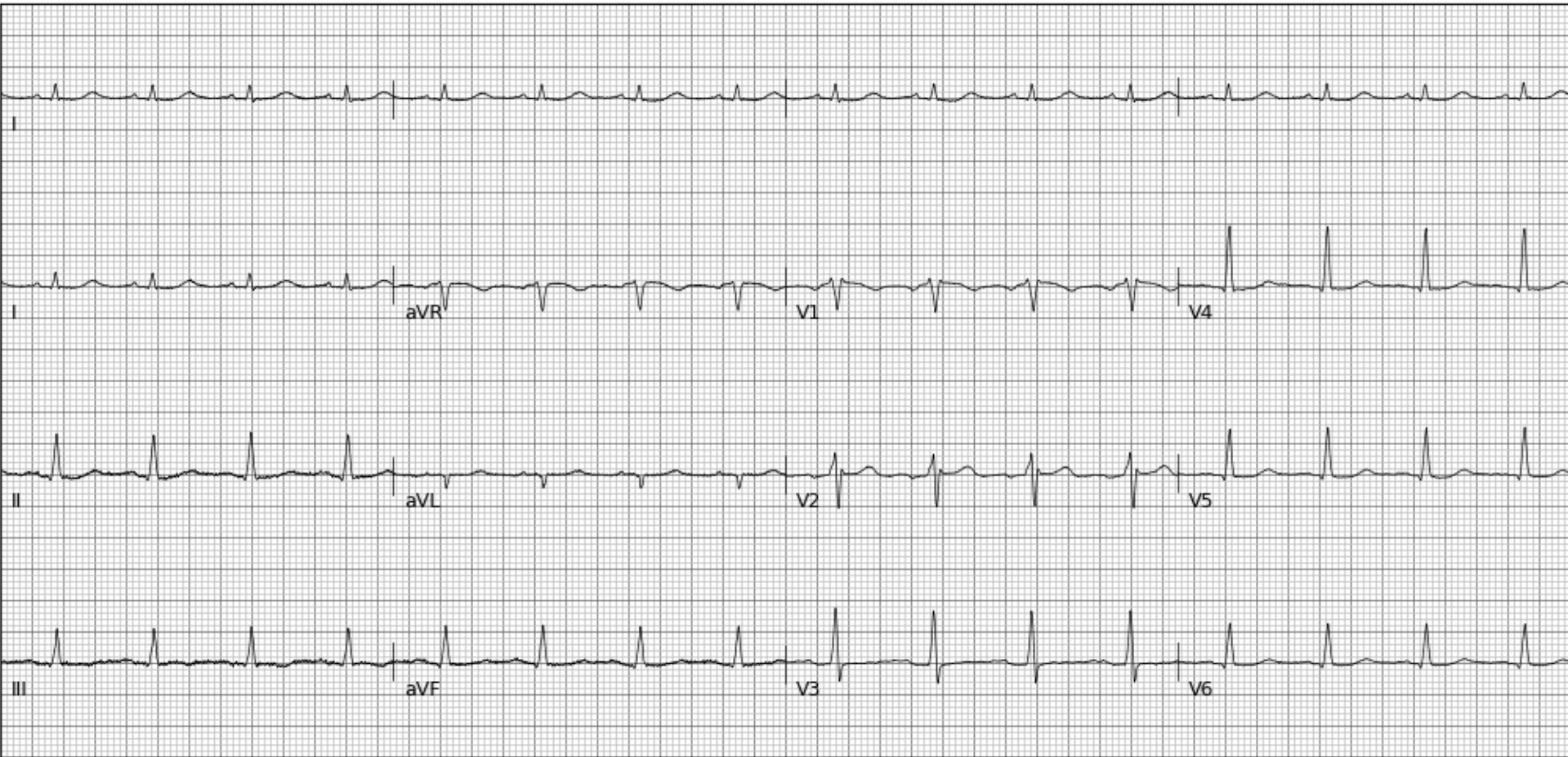


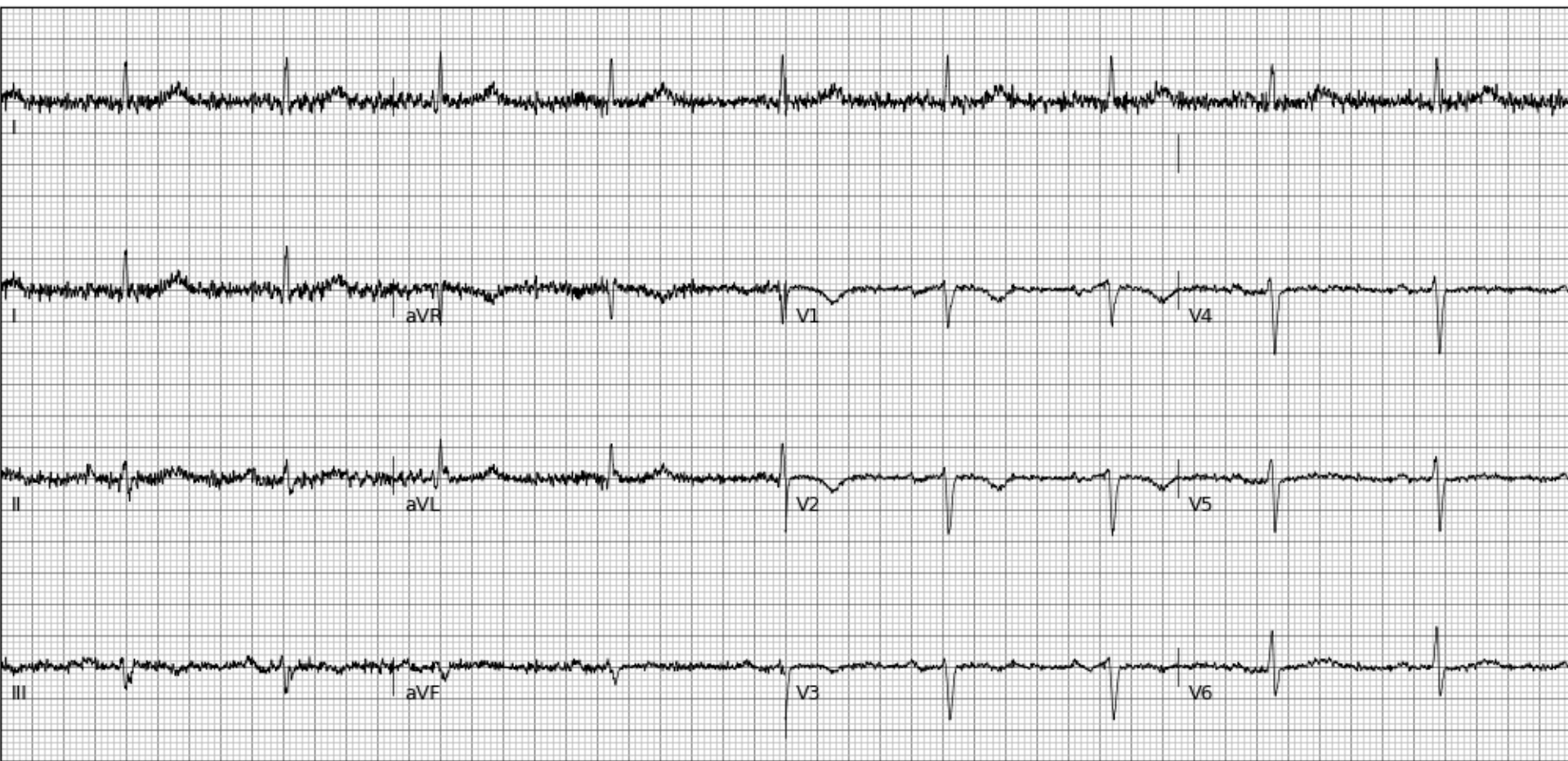
Section 5. Random examples of 25 electrocardiogram images plotted in novel format (Black-on-Black Rhythm-on-top) not encountered during model development

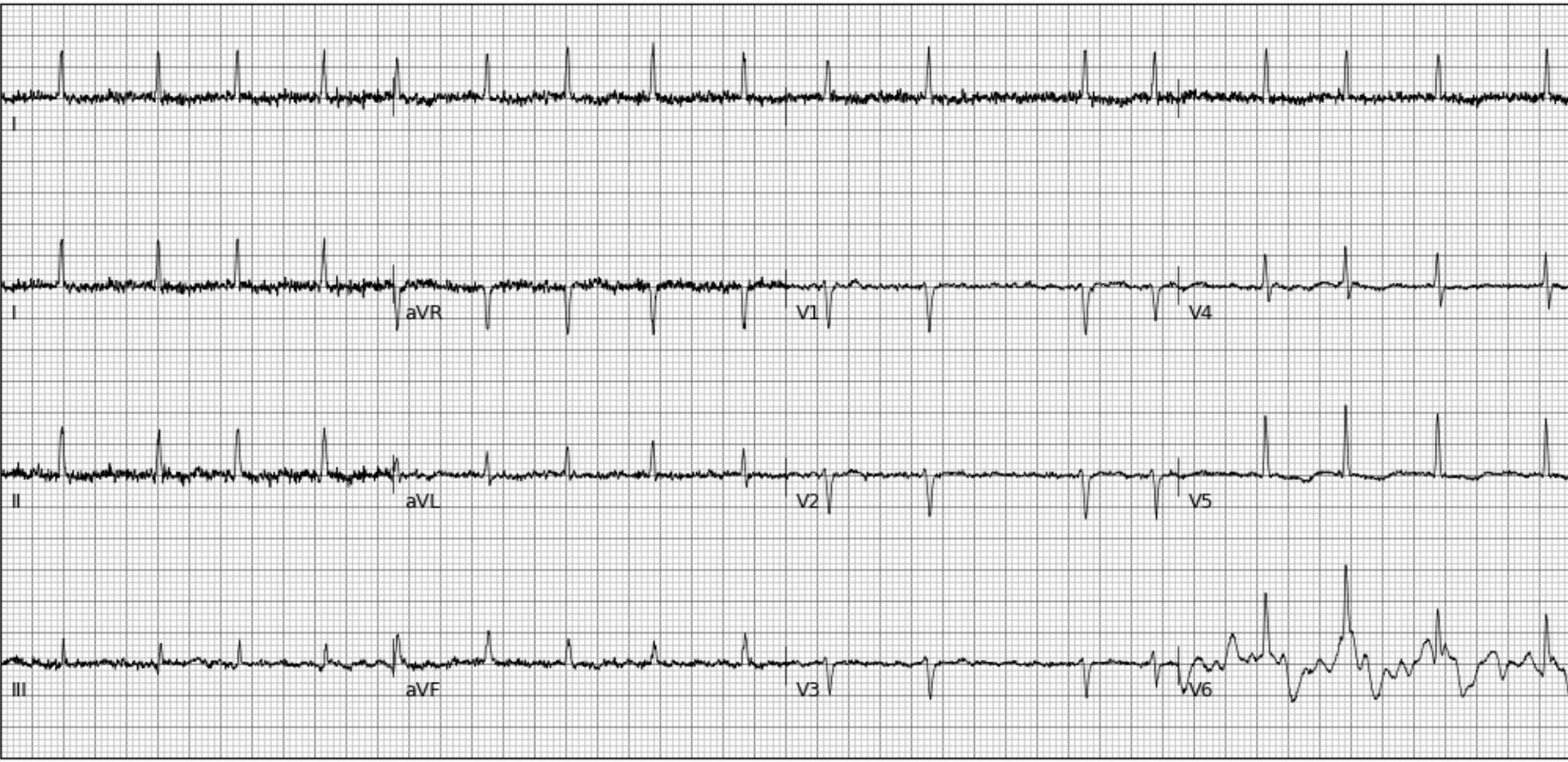


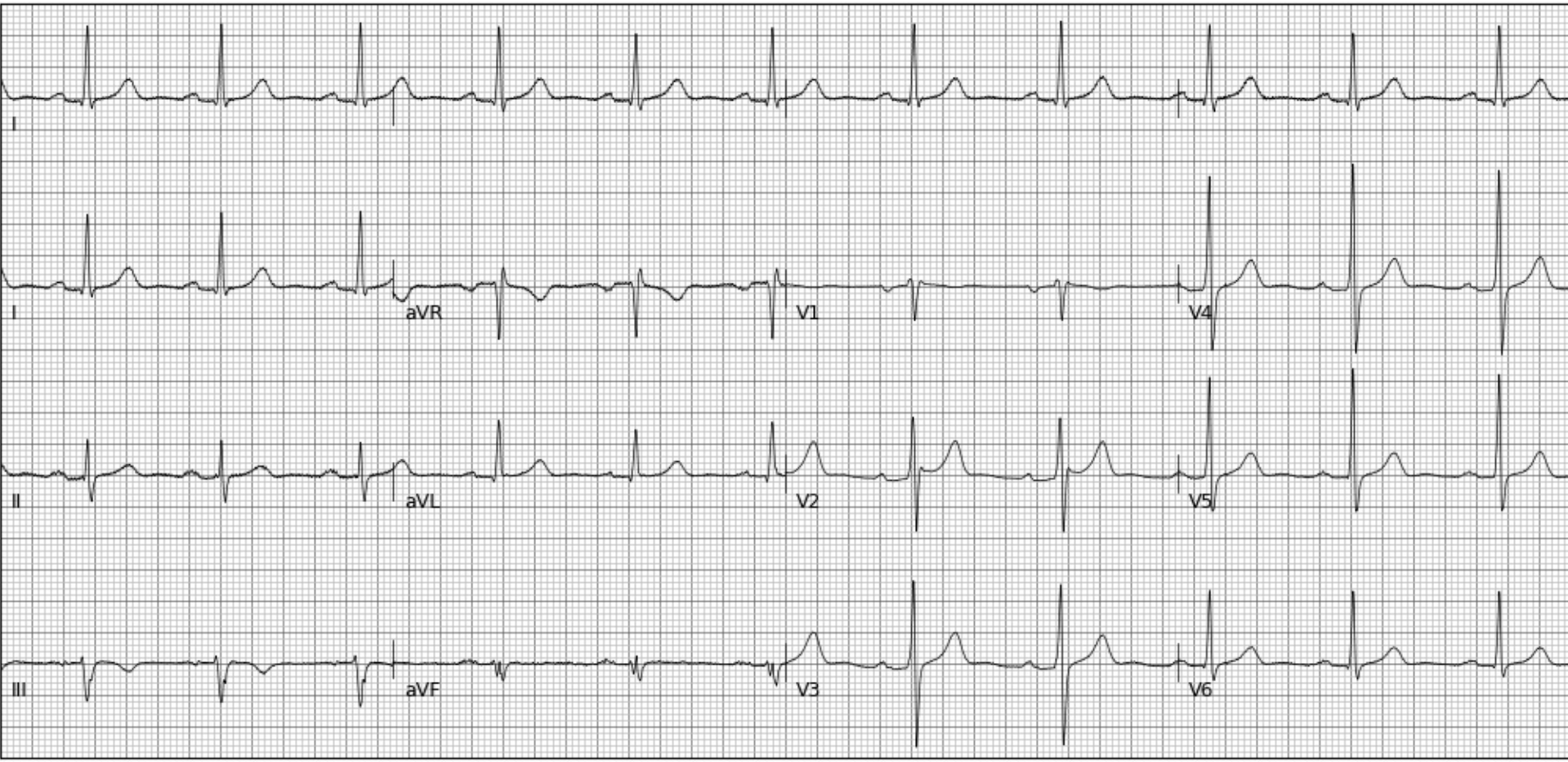


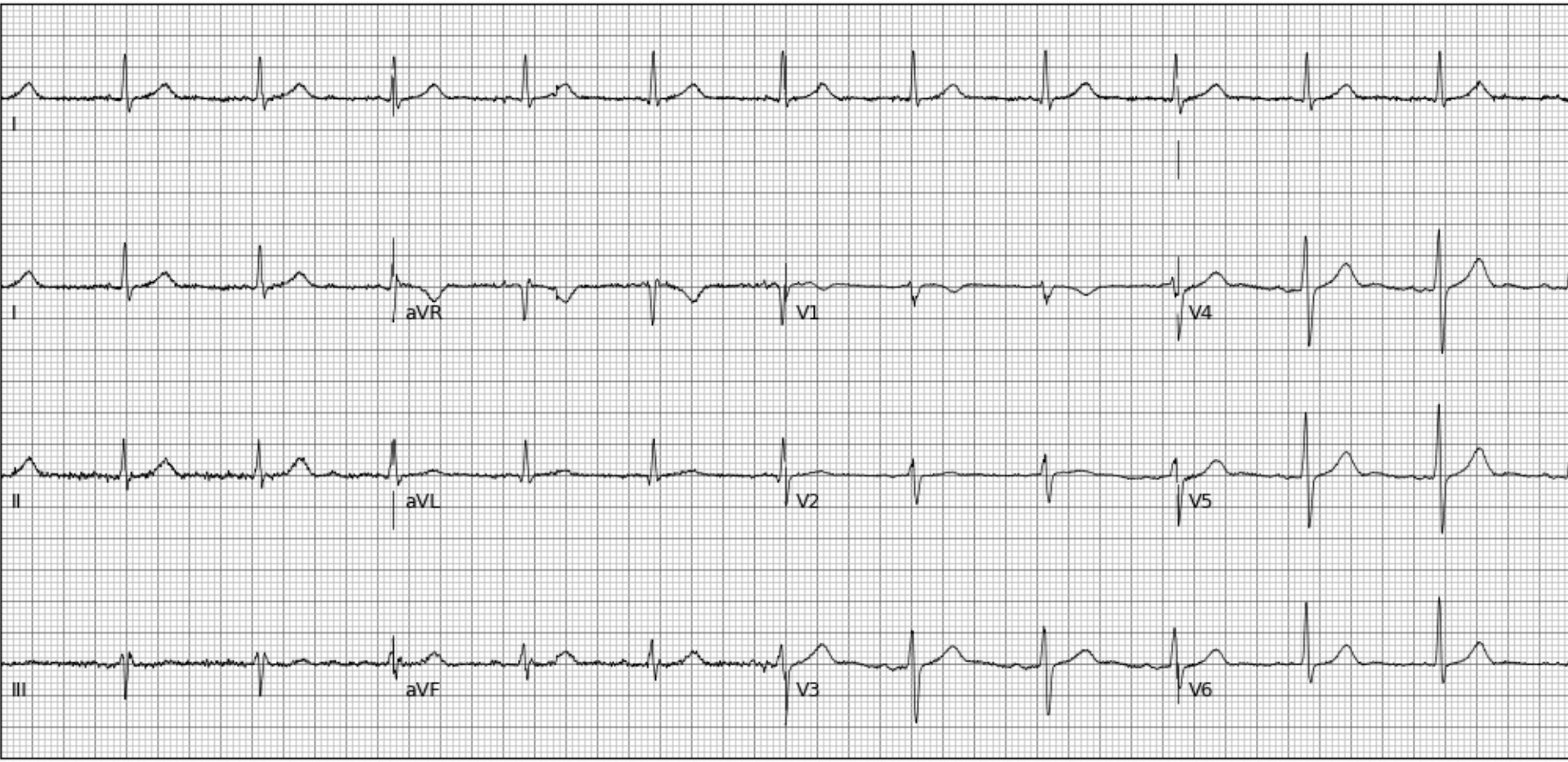


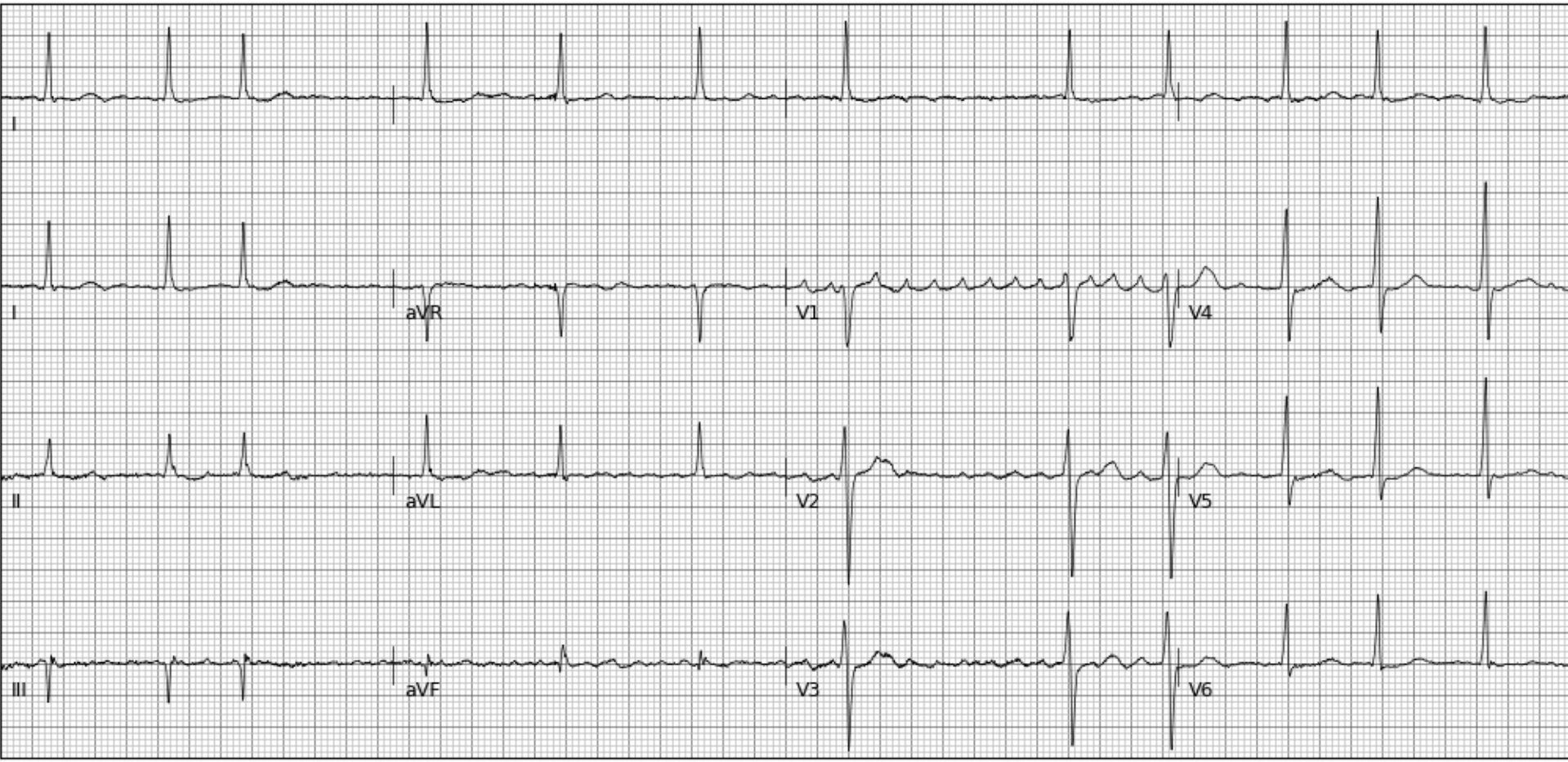




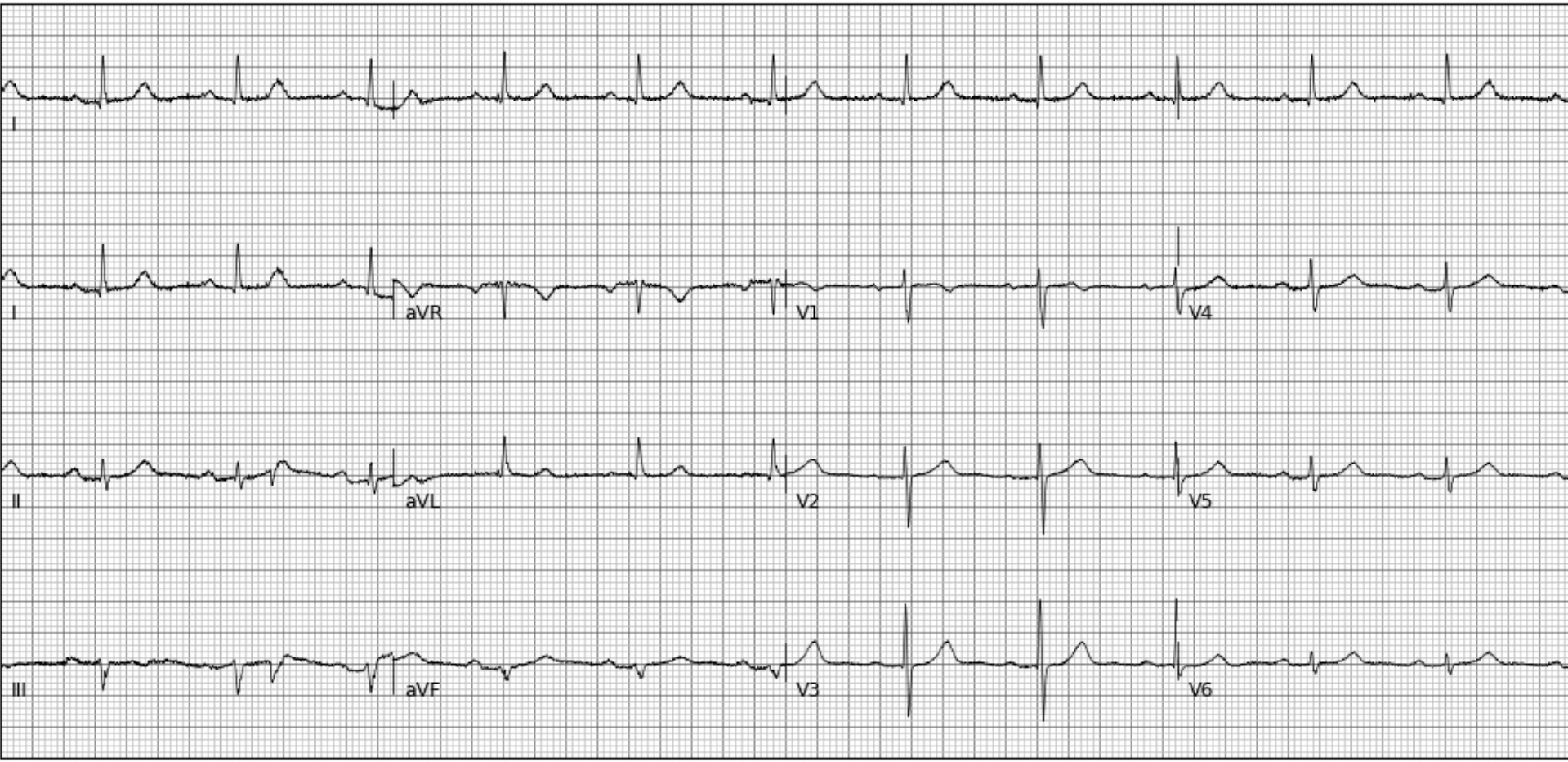


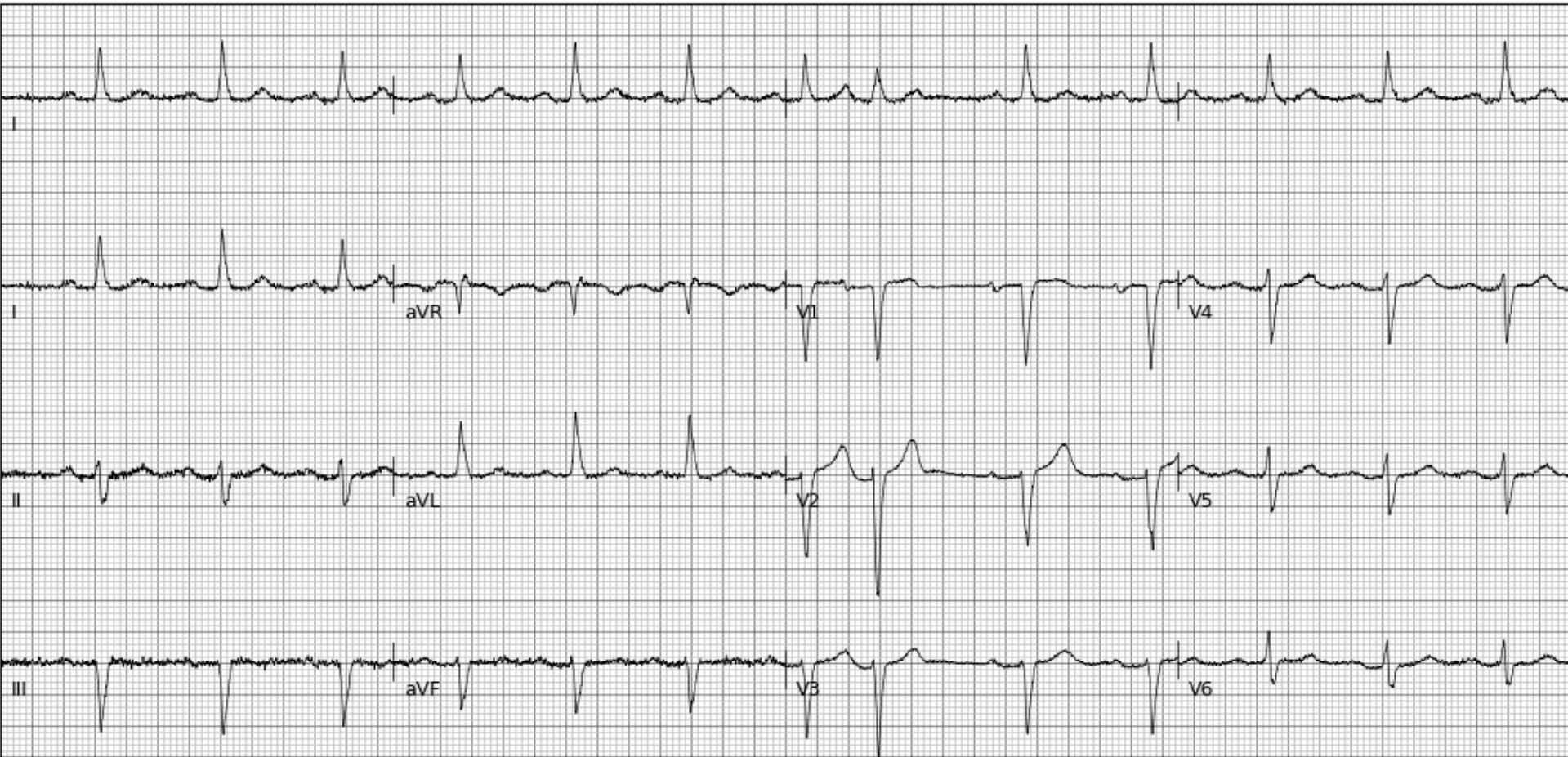


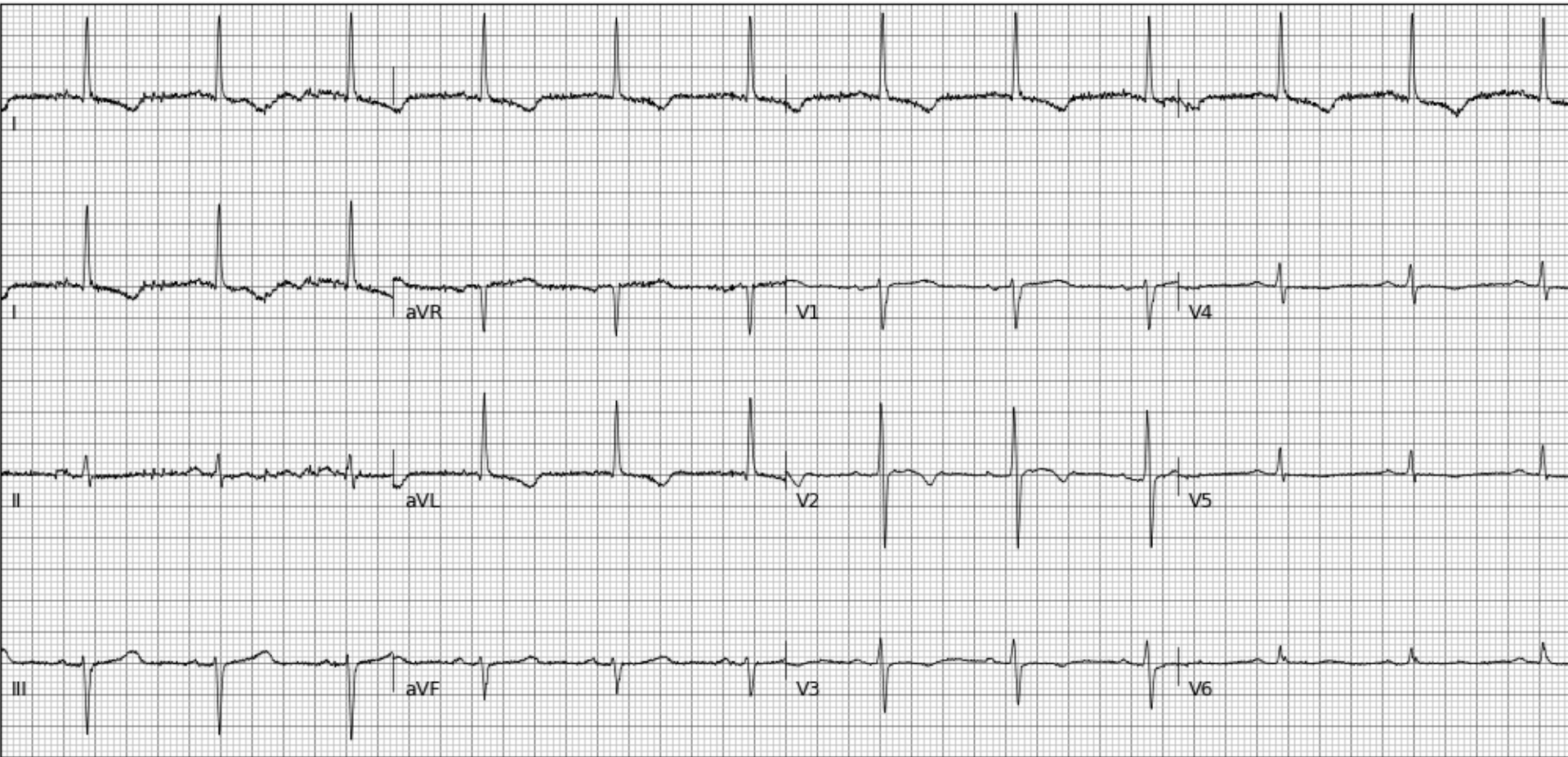


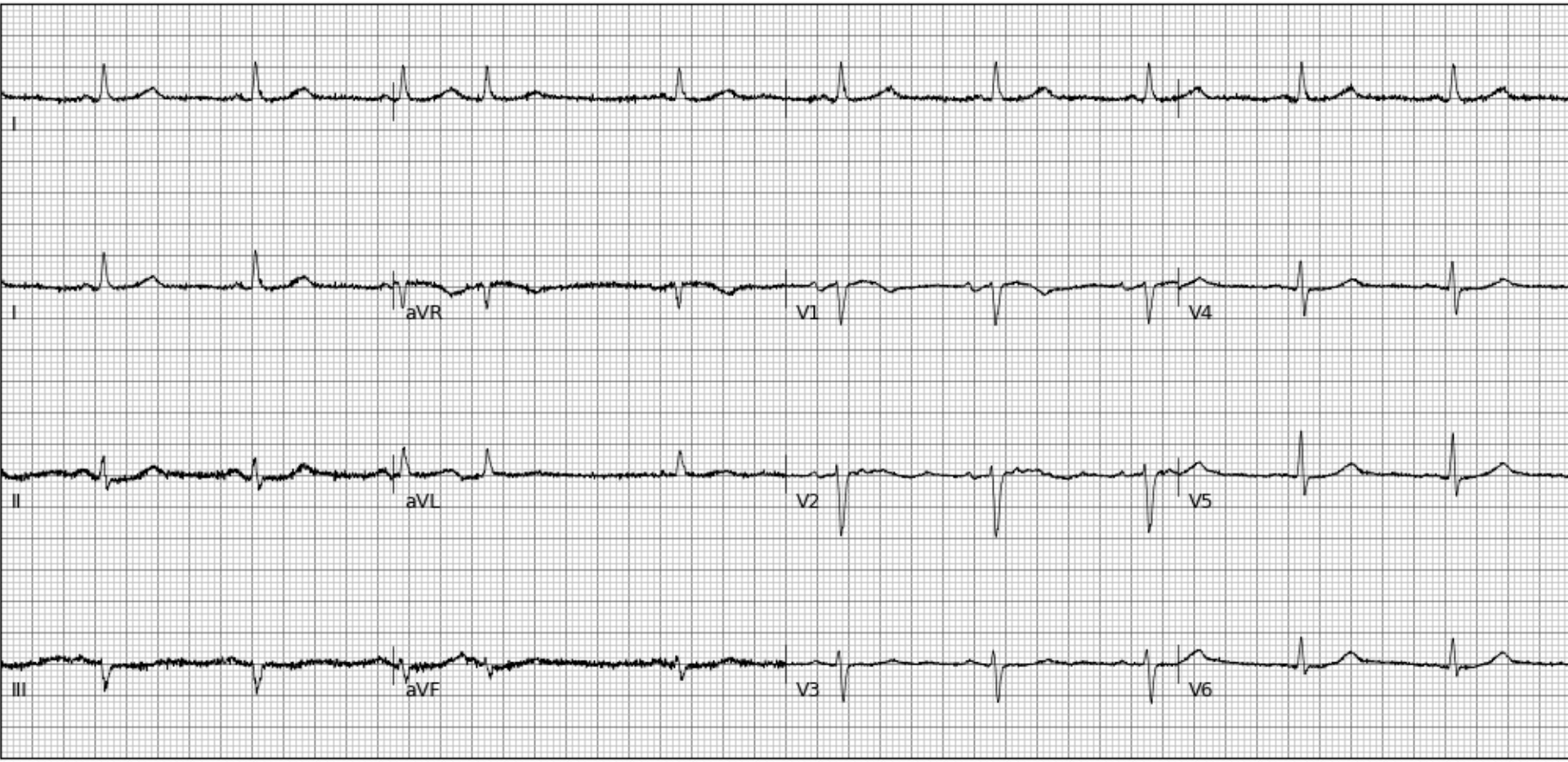


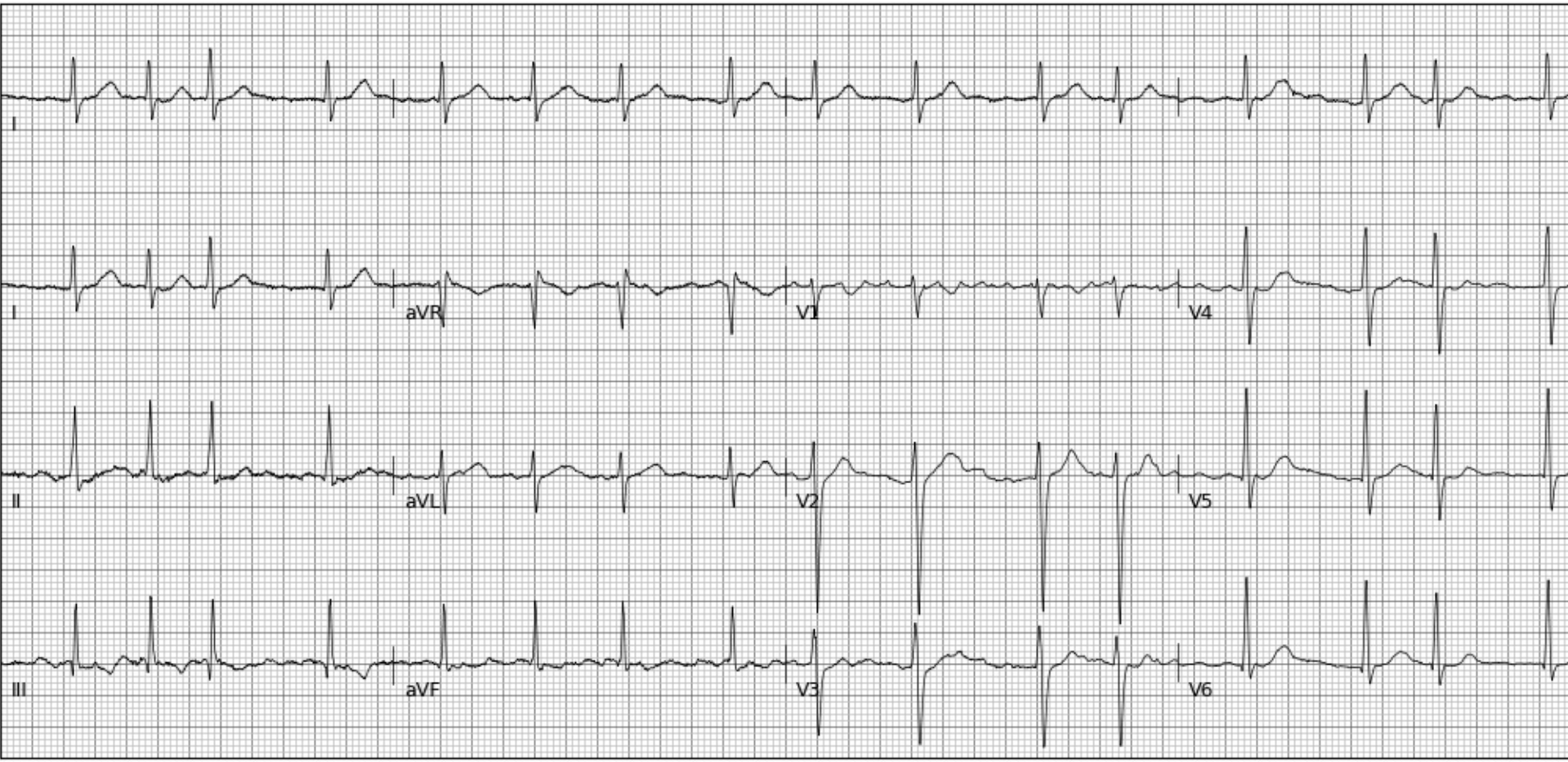


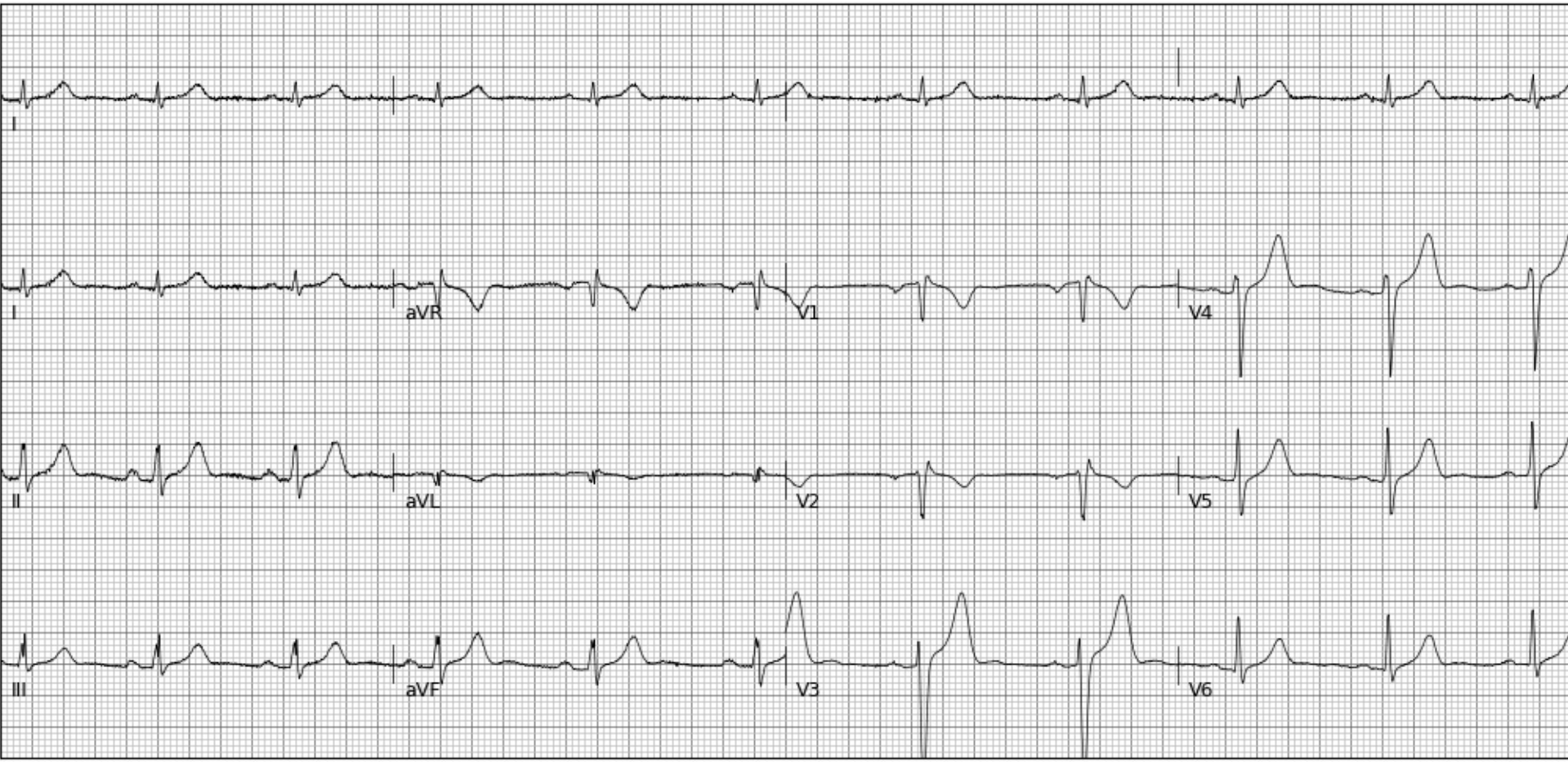


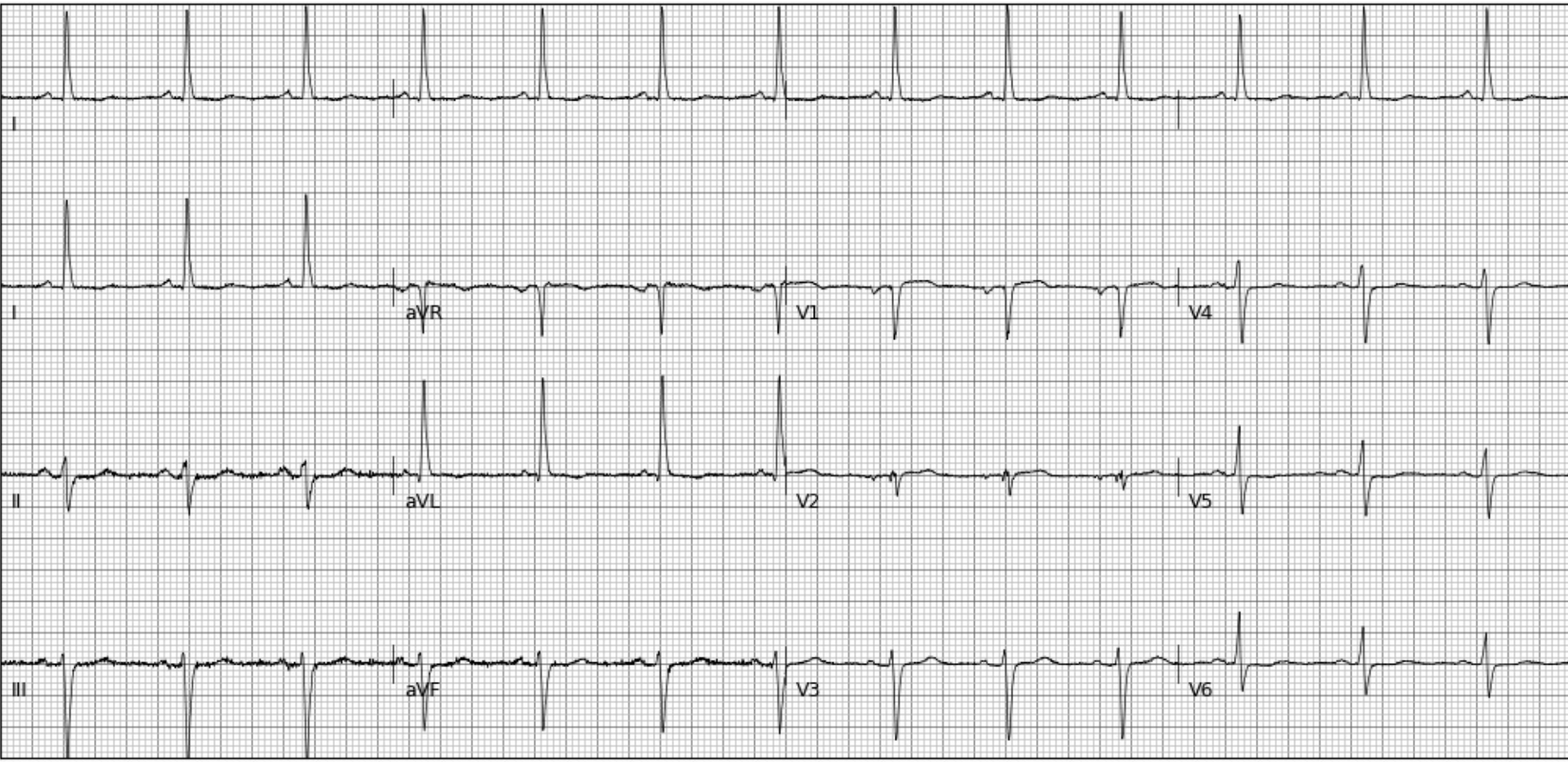


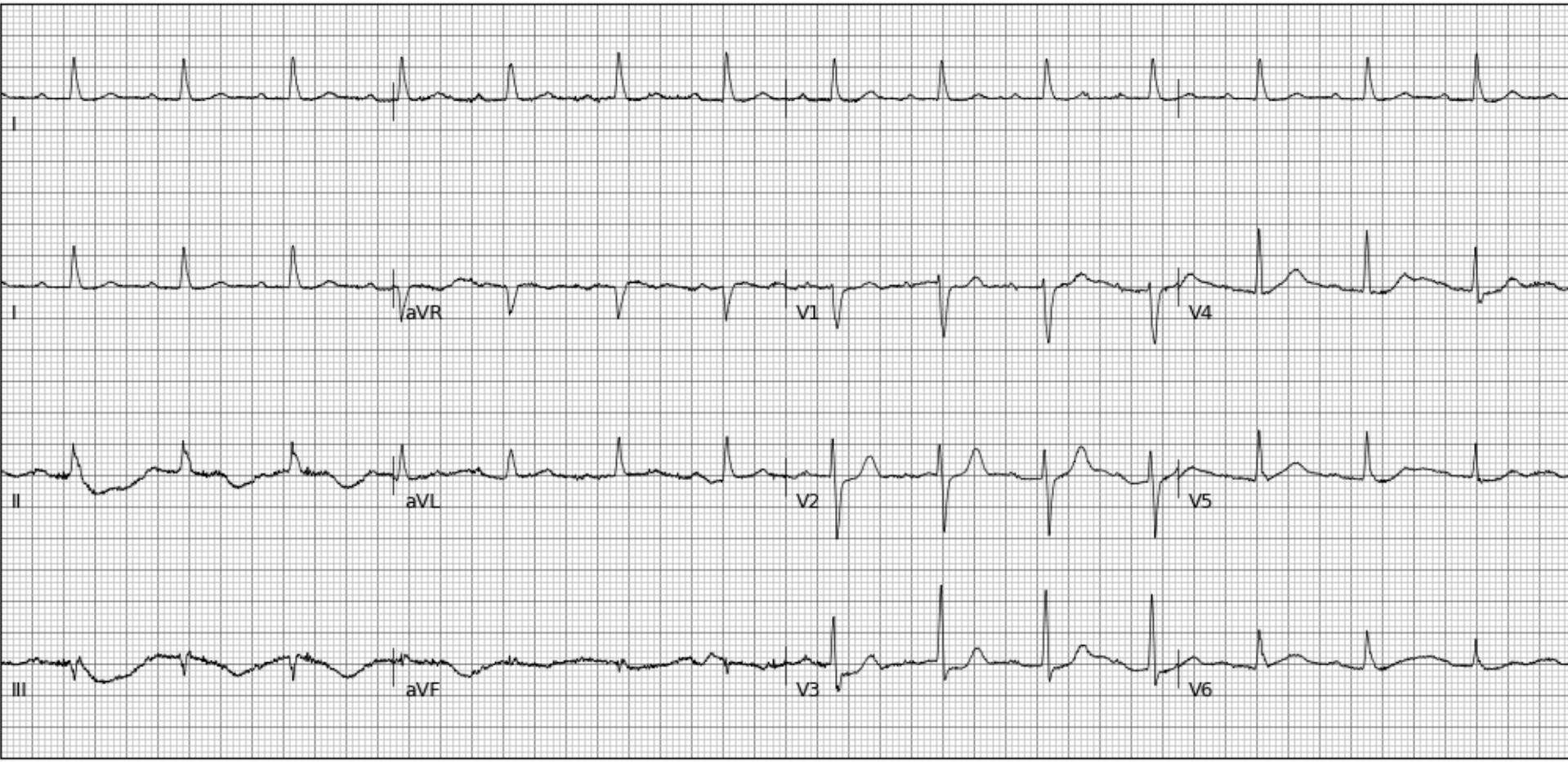


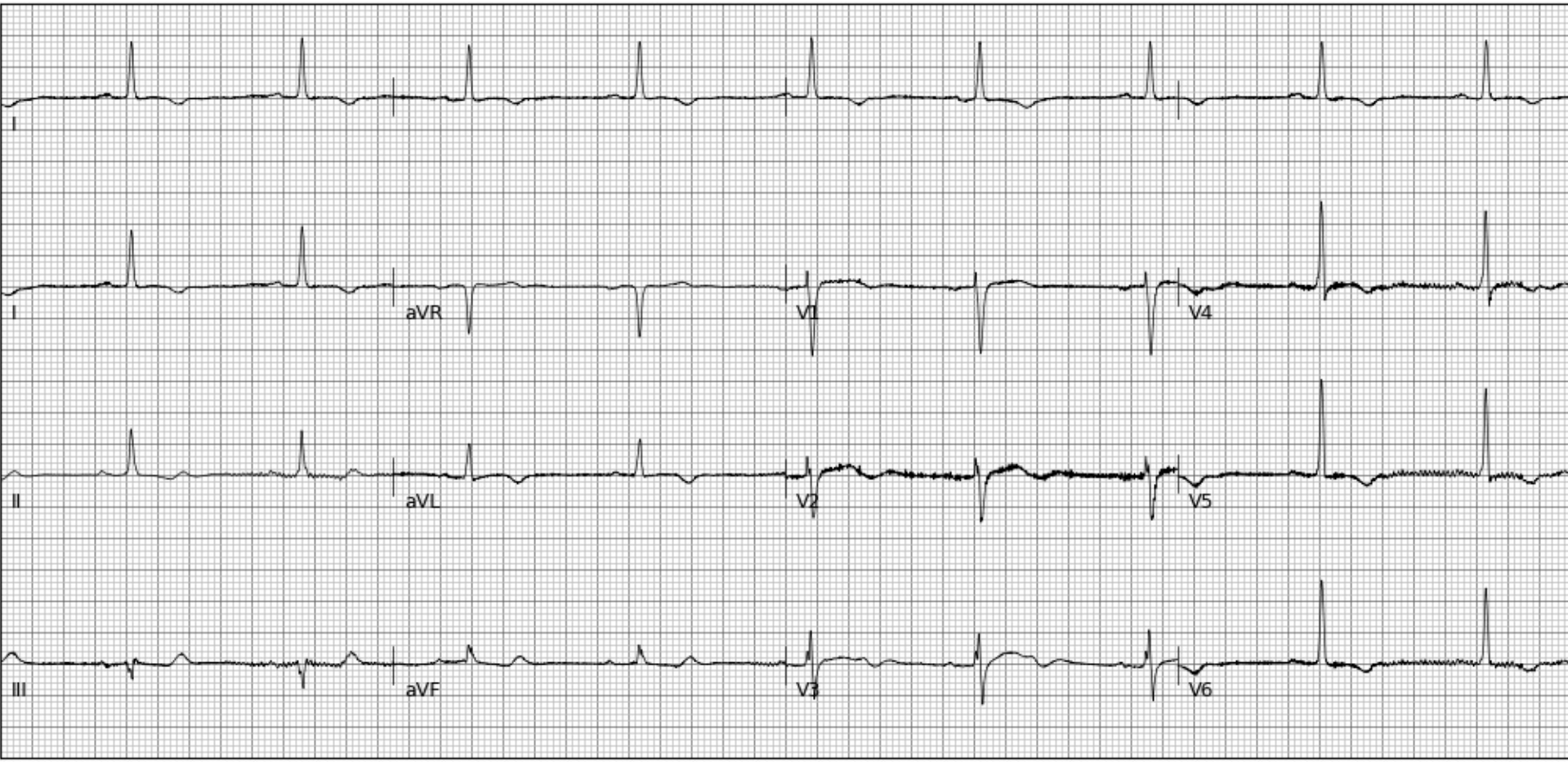


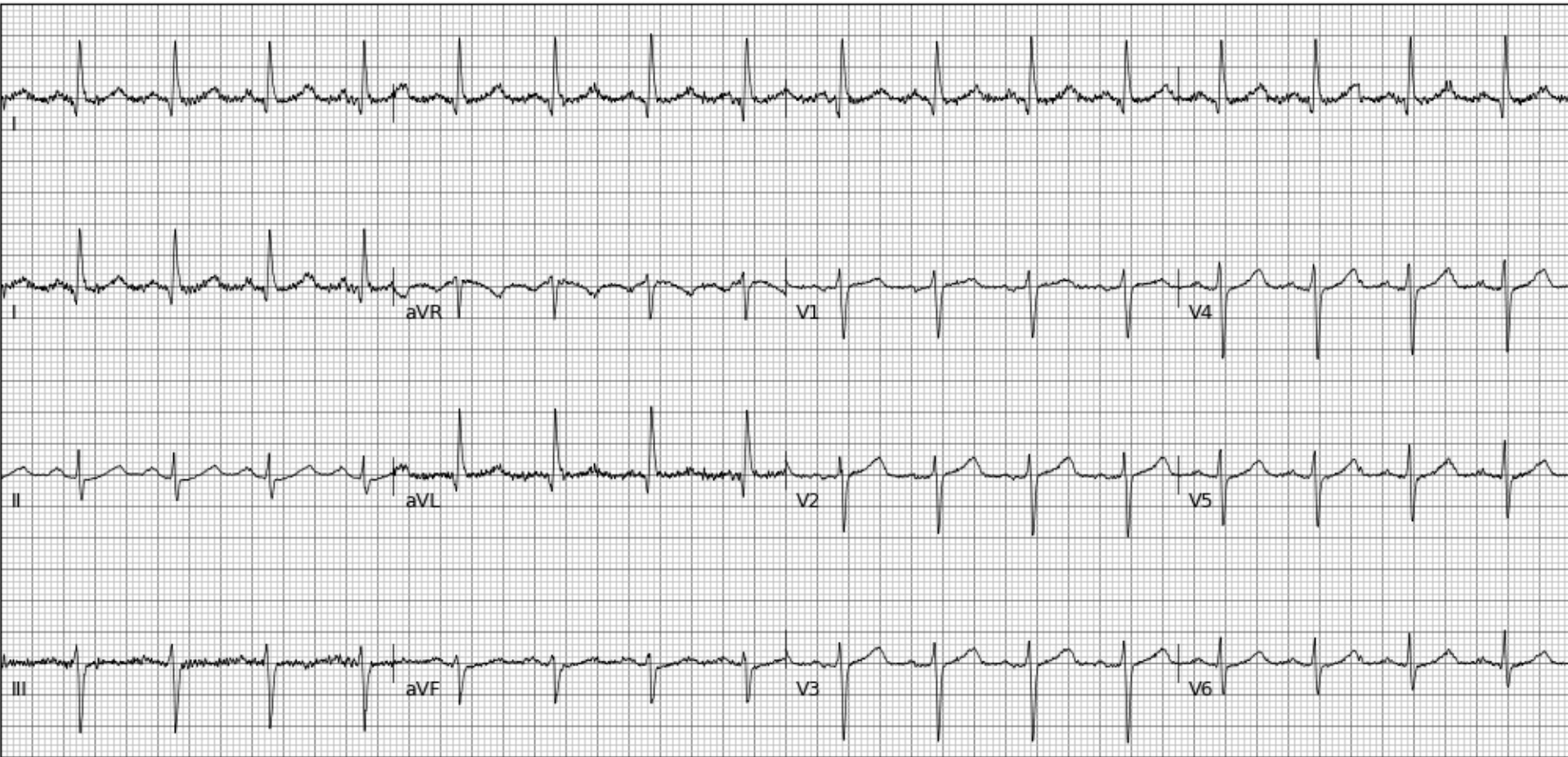


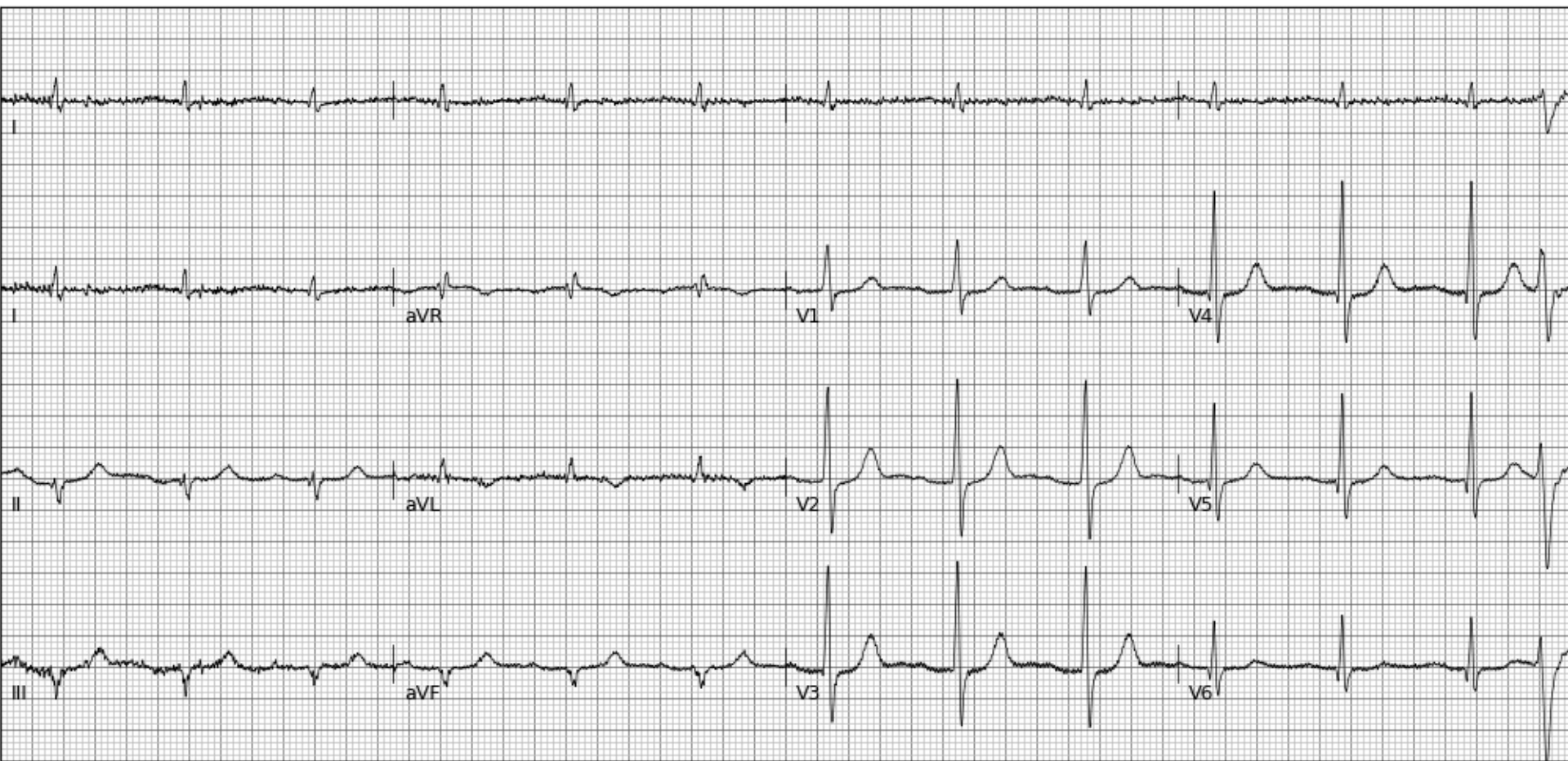


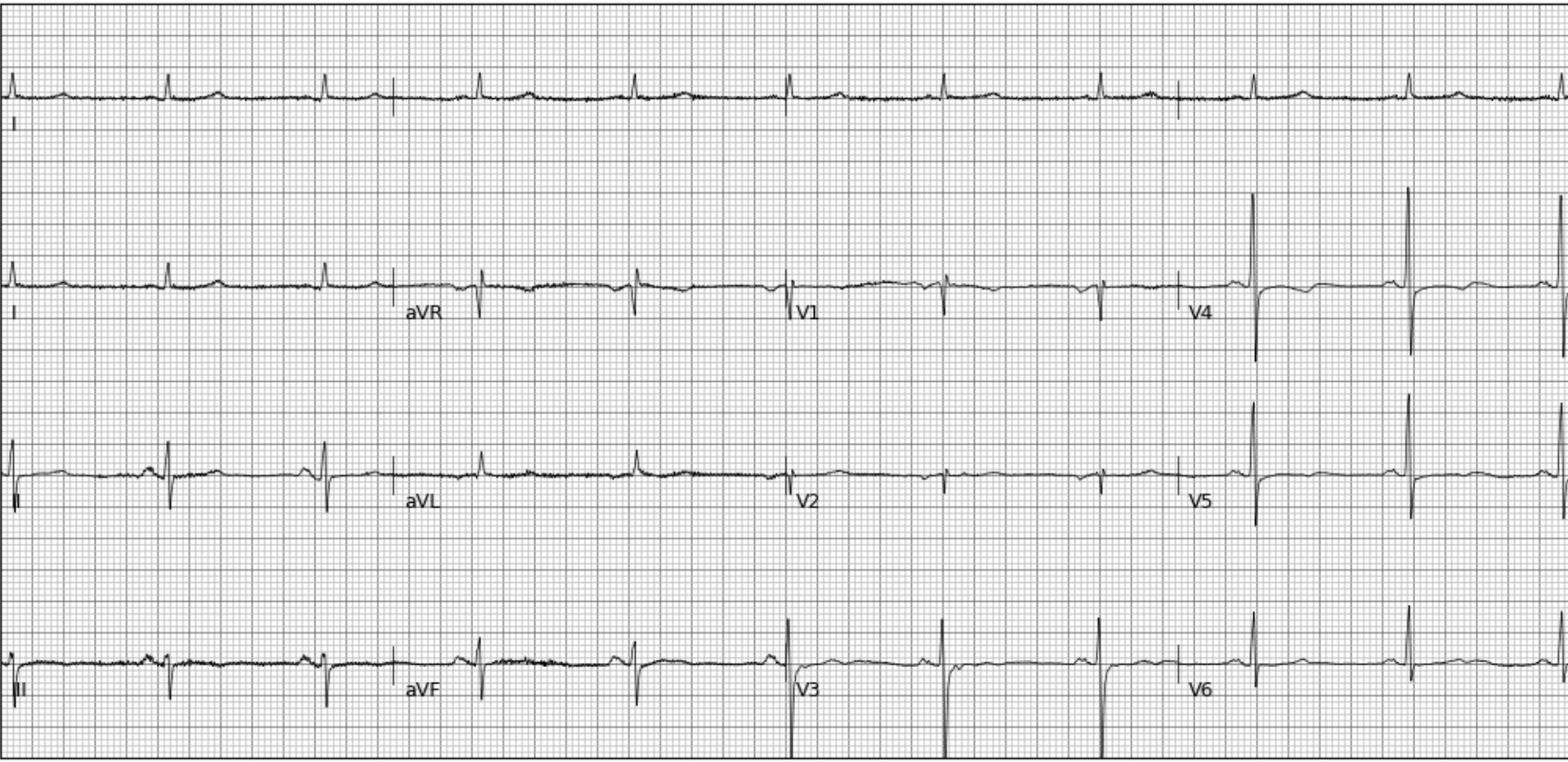


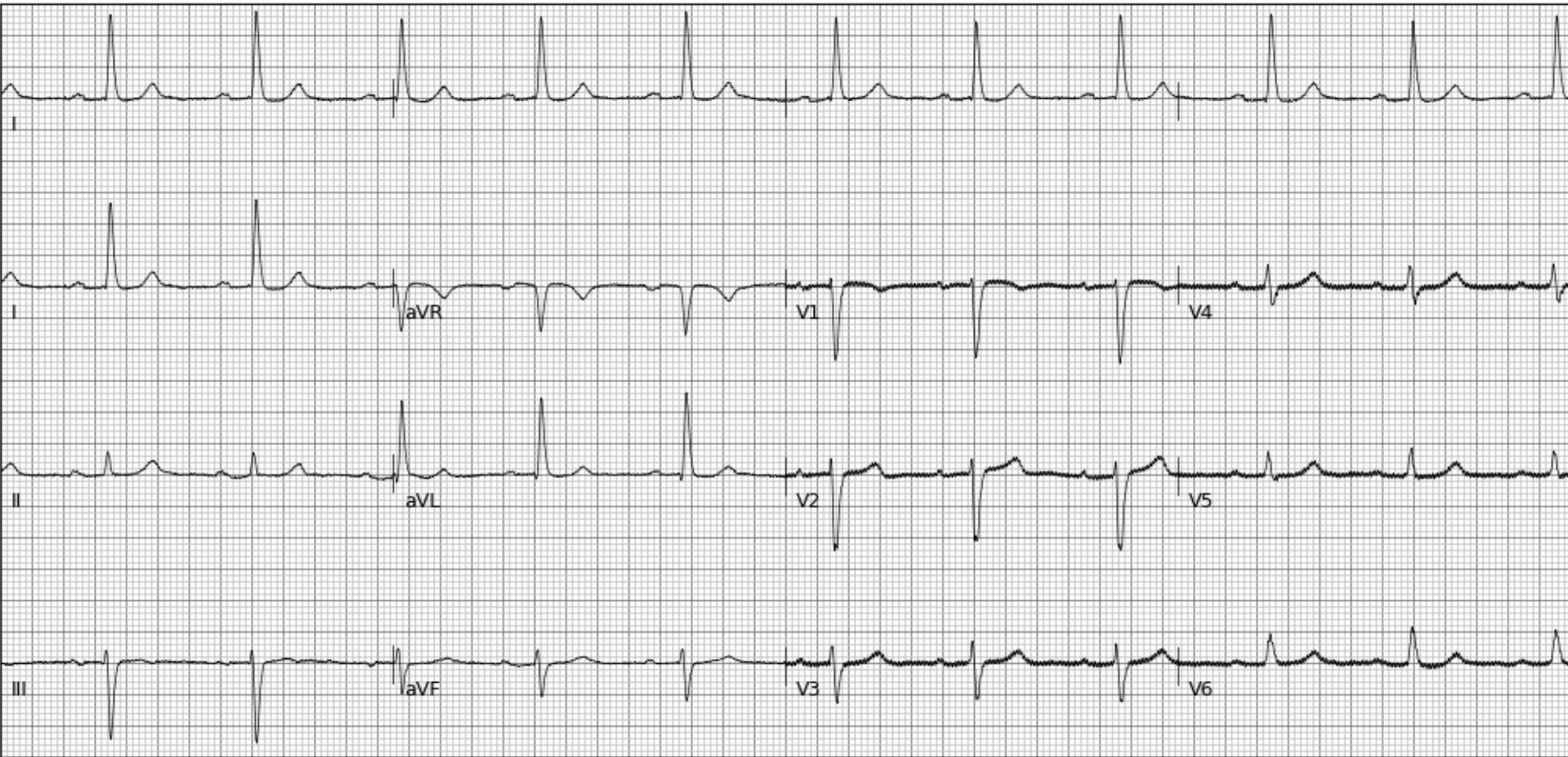


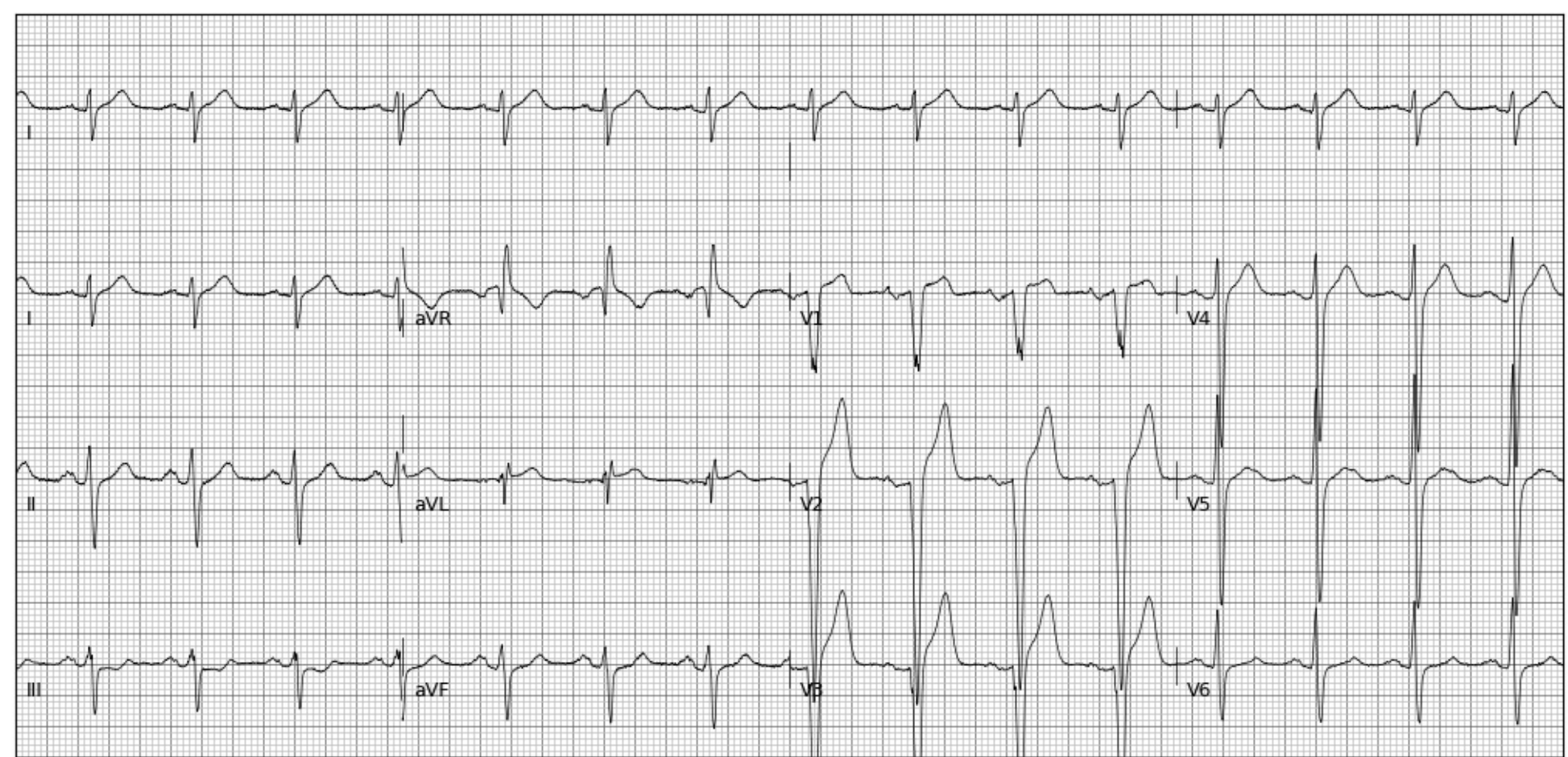














Section 3. Random examples of 25 electrocardiogram images plotted in novel format (Blue-on-Red Rhythm-on-top) not encountered during model development

