

HEART RATE VARIABILITY TOTAL POWER

*in successfull atrial flutter amiodaronum
cardioversion*

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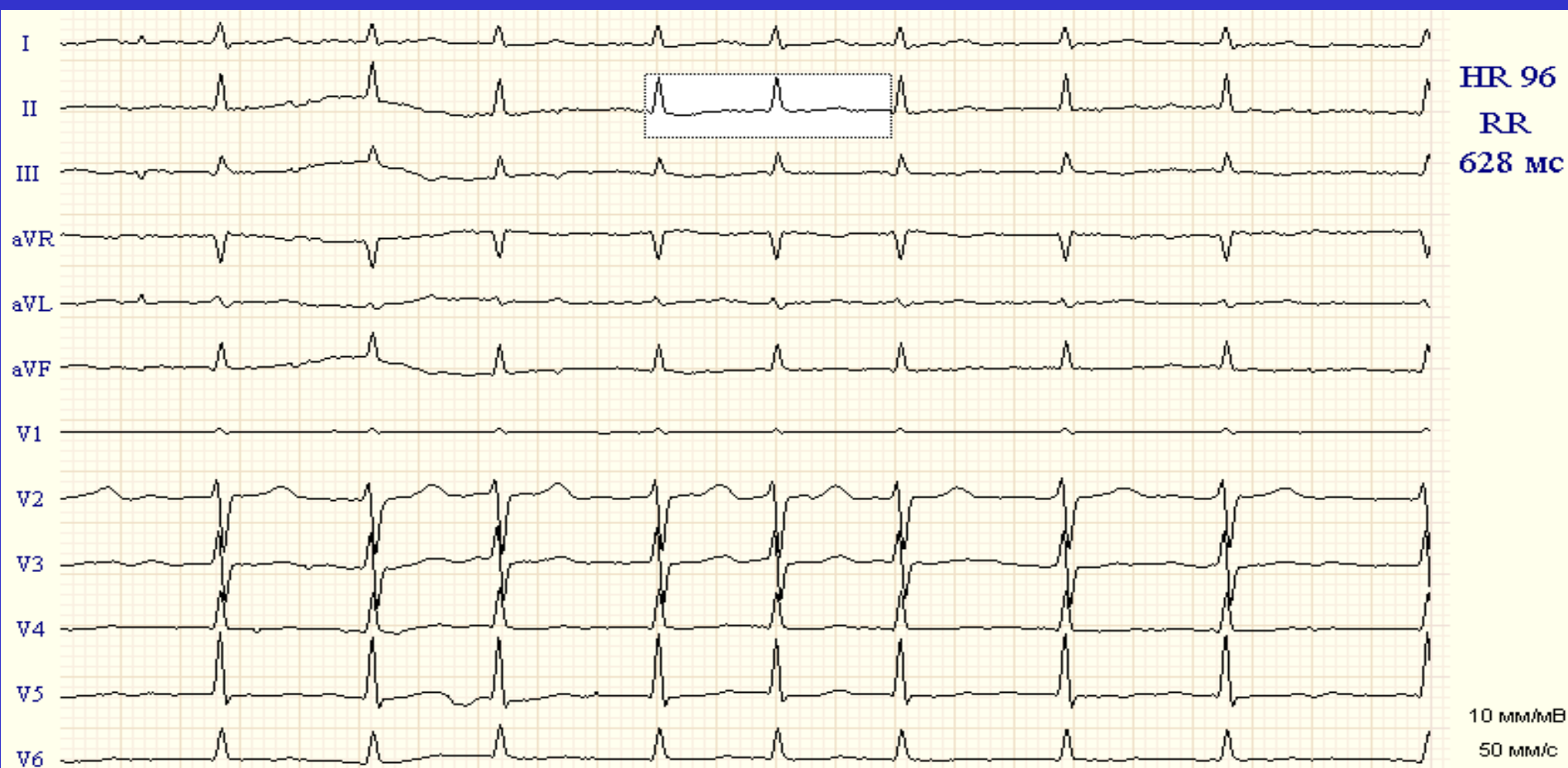
50 years Pt. K. case presentation

Diagnosis

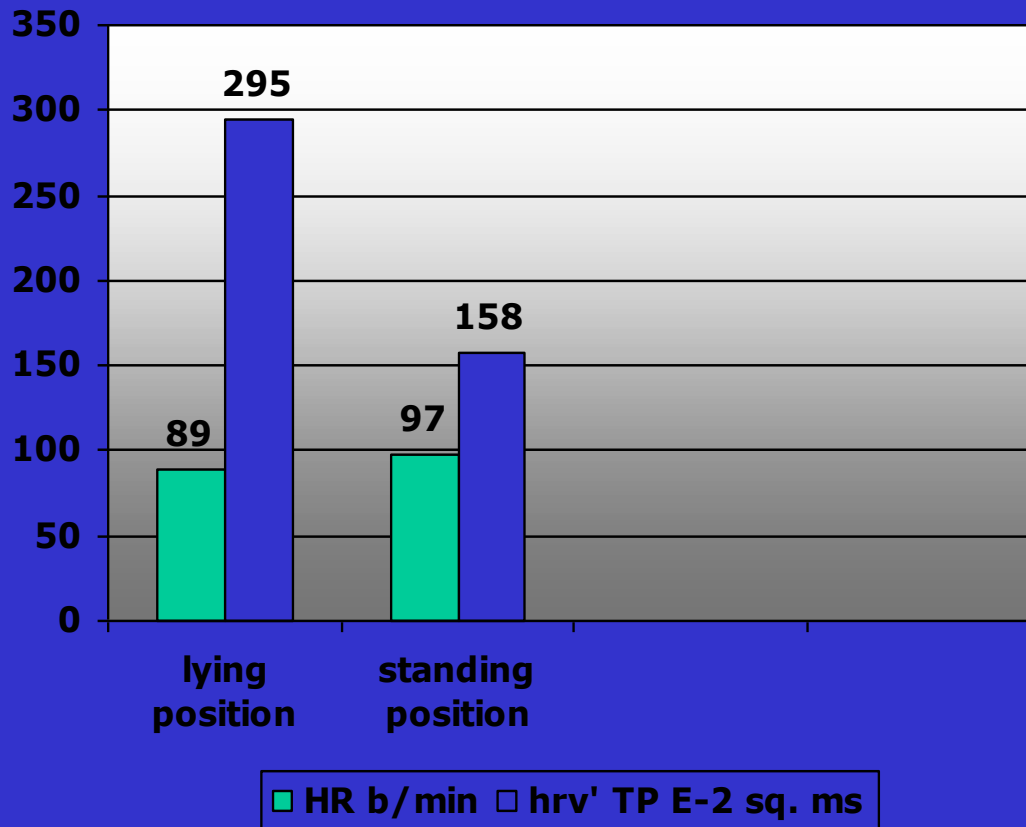
Postreumatic and atherosclerotic myocardiosclerosis, arterial hypertension st. I, eccentric left ventricle hypertrophy, altered leftlets mitral dual protomesosystolic regurgitation st. I, persistent tachysystolic monomodal heart rate adaptive atrial flutter, HF NYHA II

ECG before treatment

atrial flutter



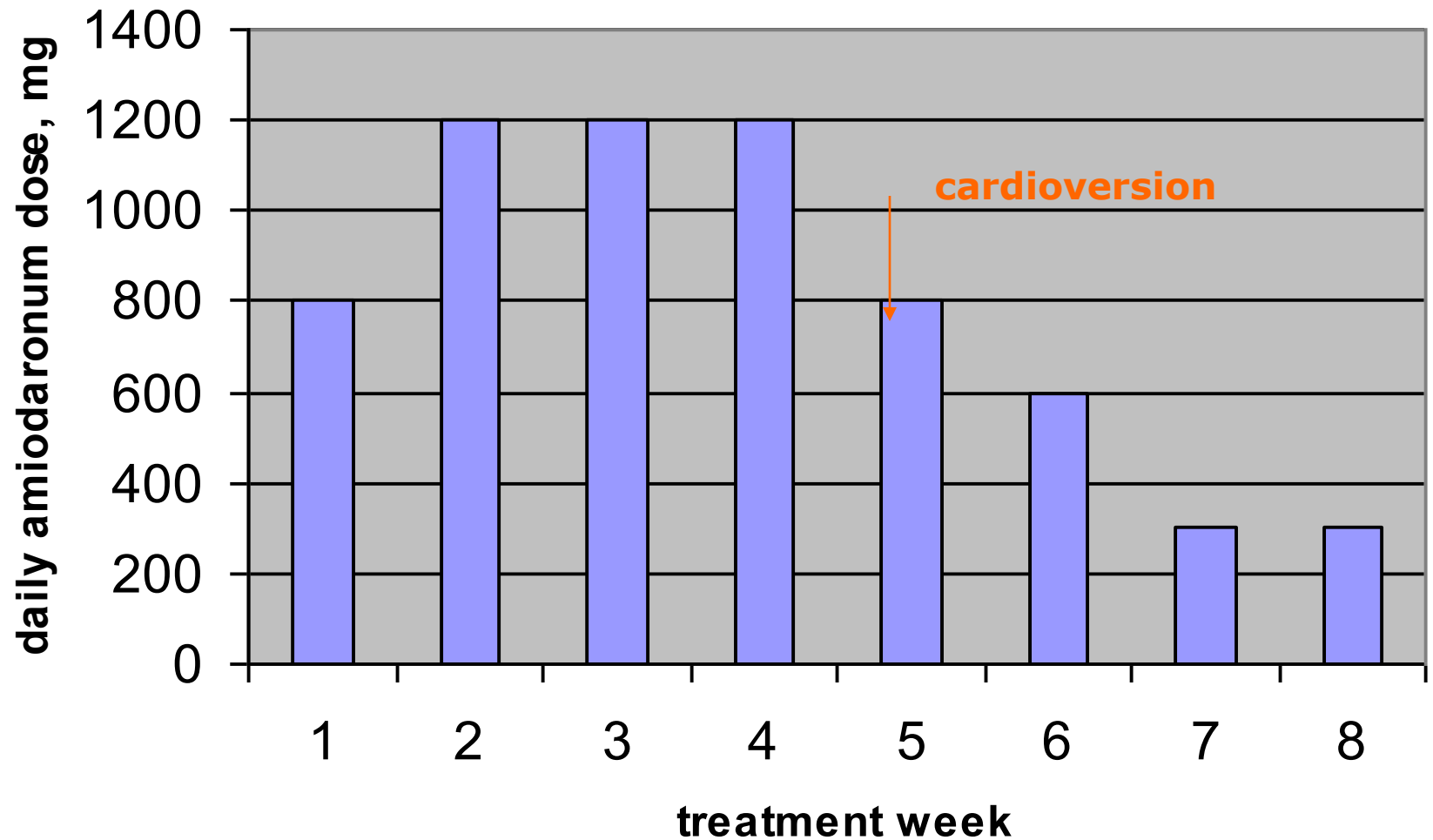
Active tilt-test atrial flutter HR and hrv' TP changes



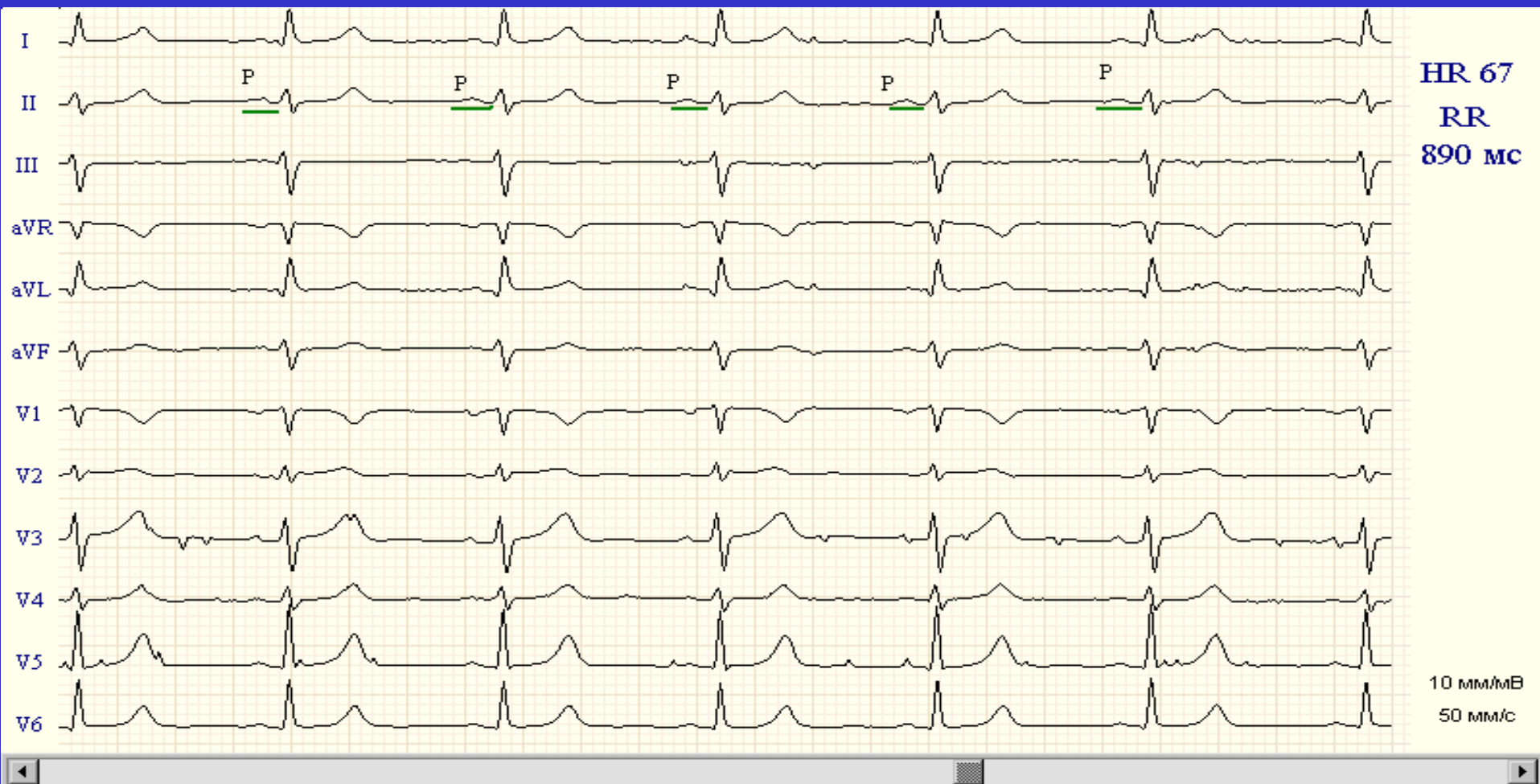
HR and hrv' TP active tilt-test changes are the same as in sinus rhythm patients

- HR increase
- TP decrease

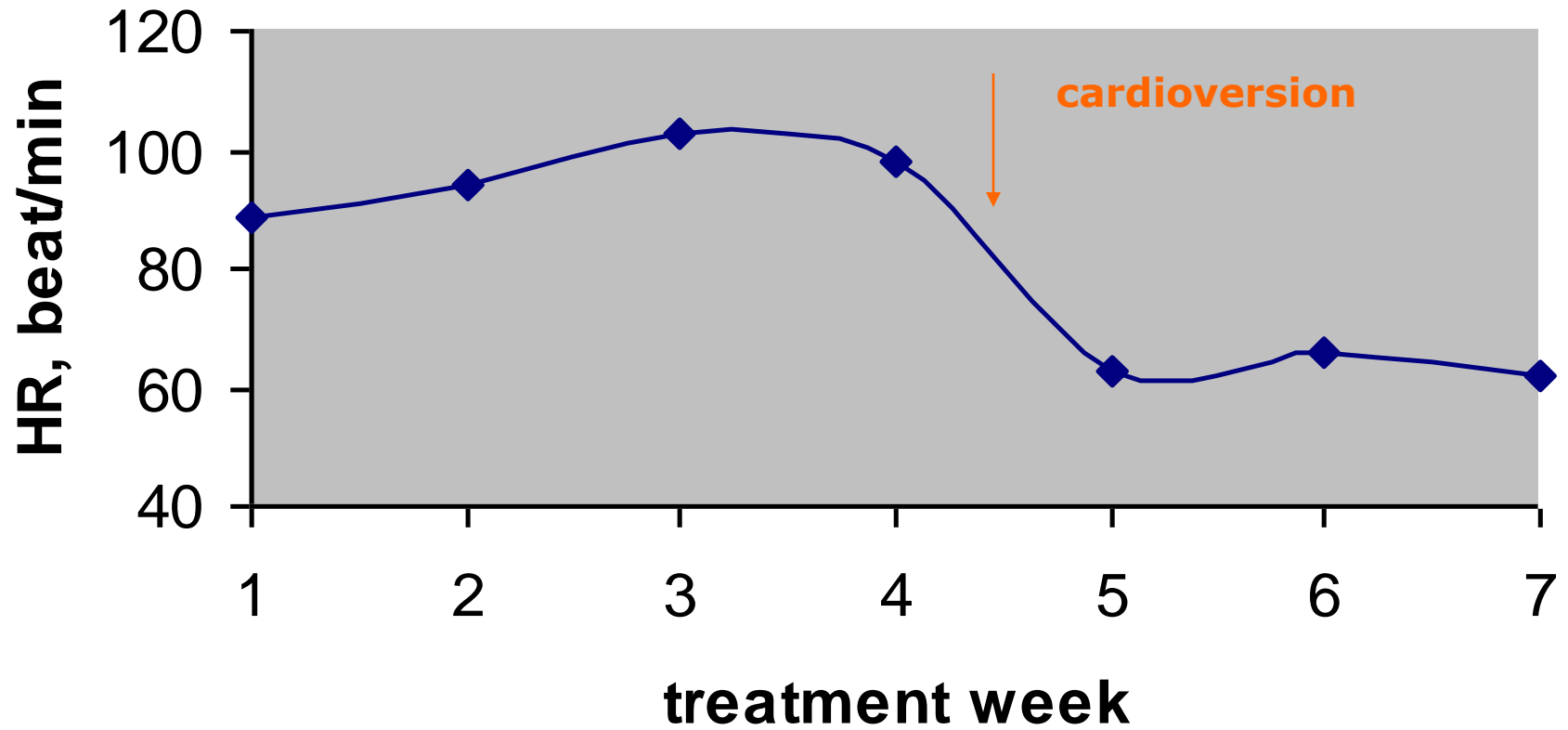
DAILY AMIODARONUM (*amiocordin*, KRKA) DOSE IN ATRIAL FLUTTER CARDIOVERSION



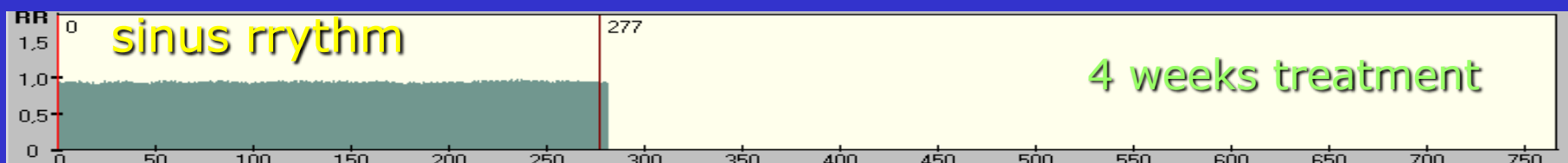
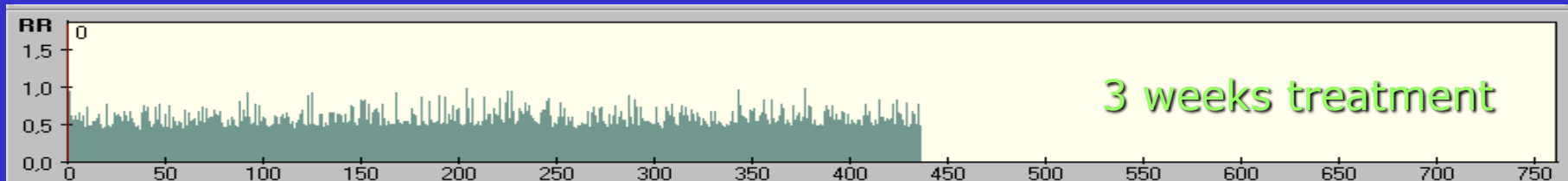
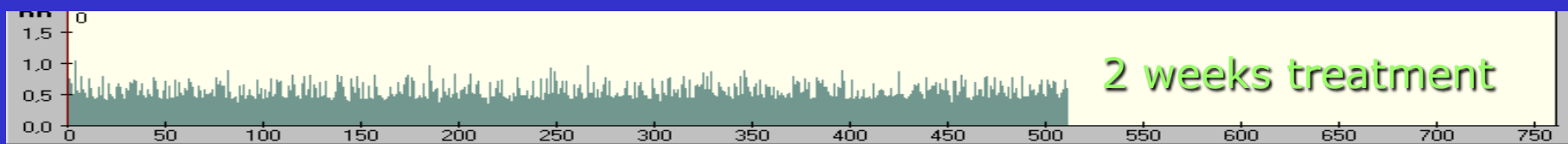
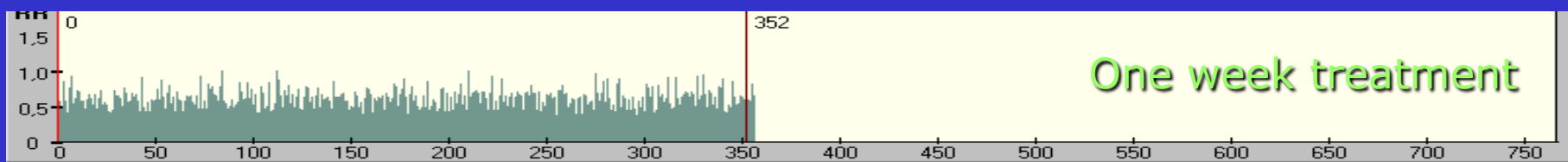
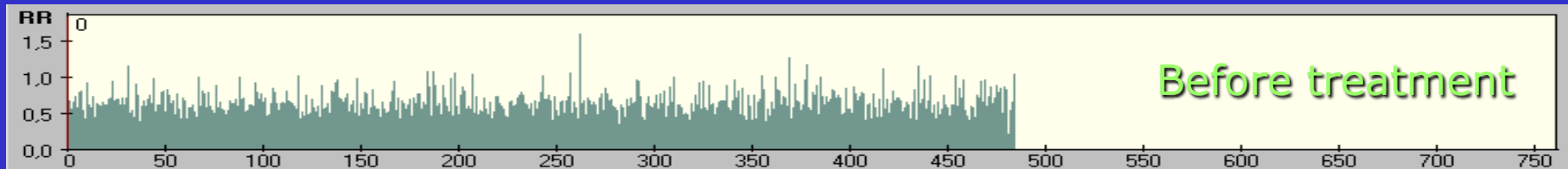
ECG after atrial flutter amiodaronum cardioversion *restored sinus rrythm*



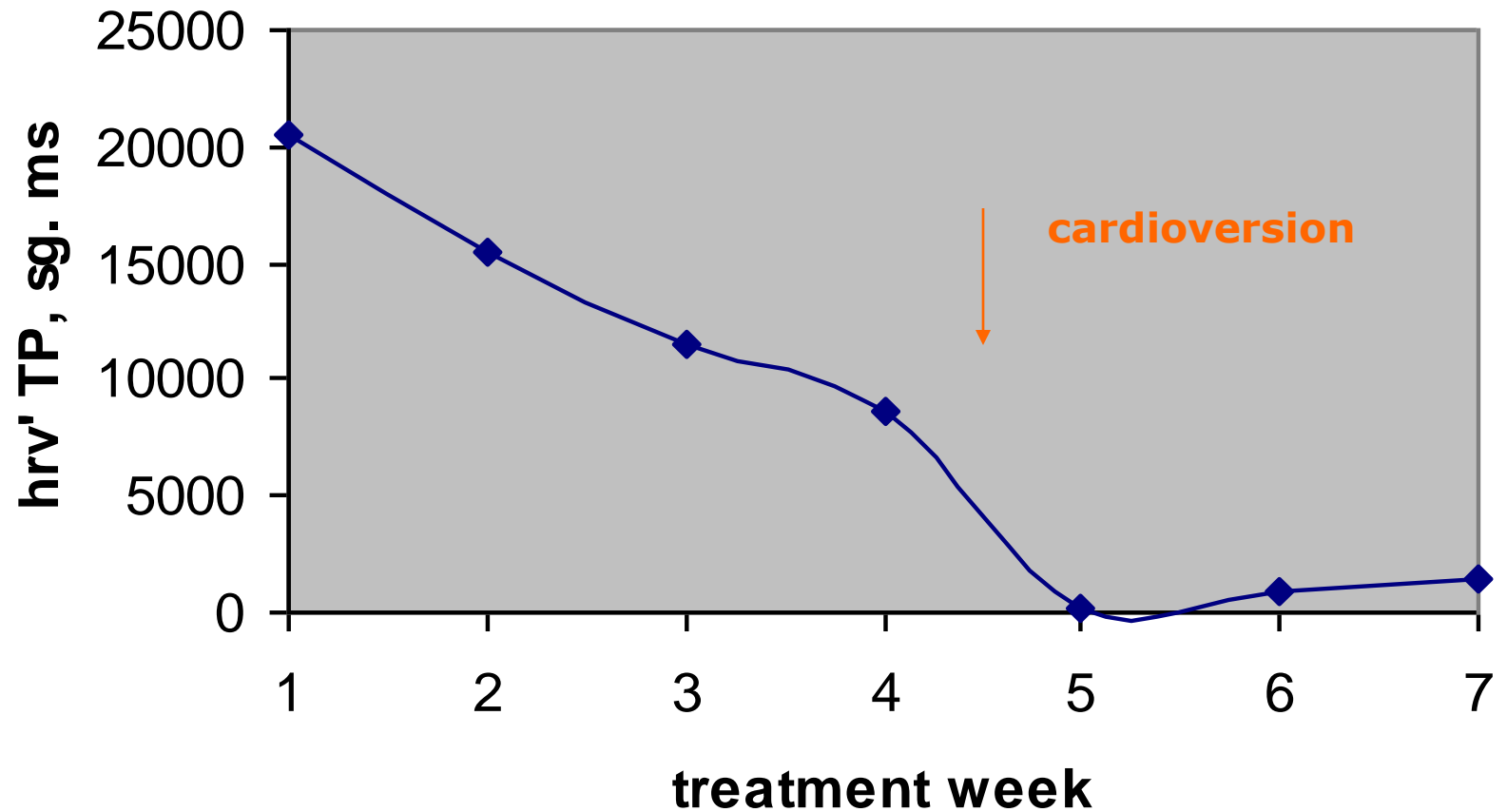
HR at atrial flutter amiodaronum cardioversion



Heart rate tachogram at atrial flutter amiodaronum cardioversion



hrv' TP at atrial flutter amiodaronum cardioversion

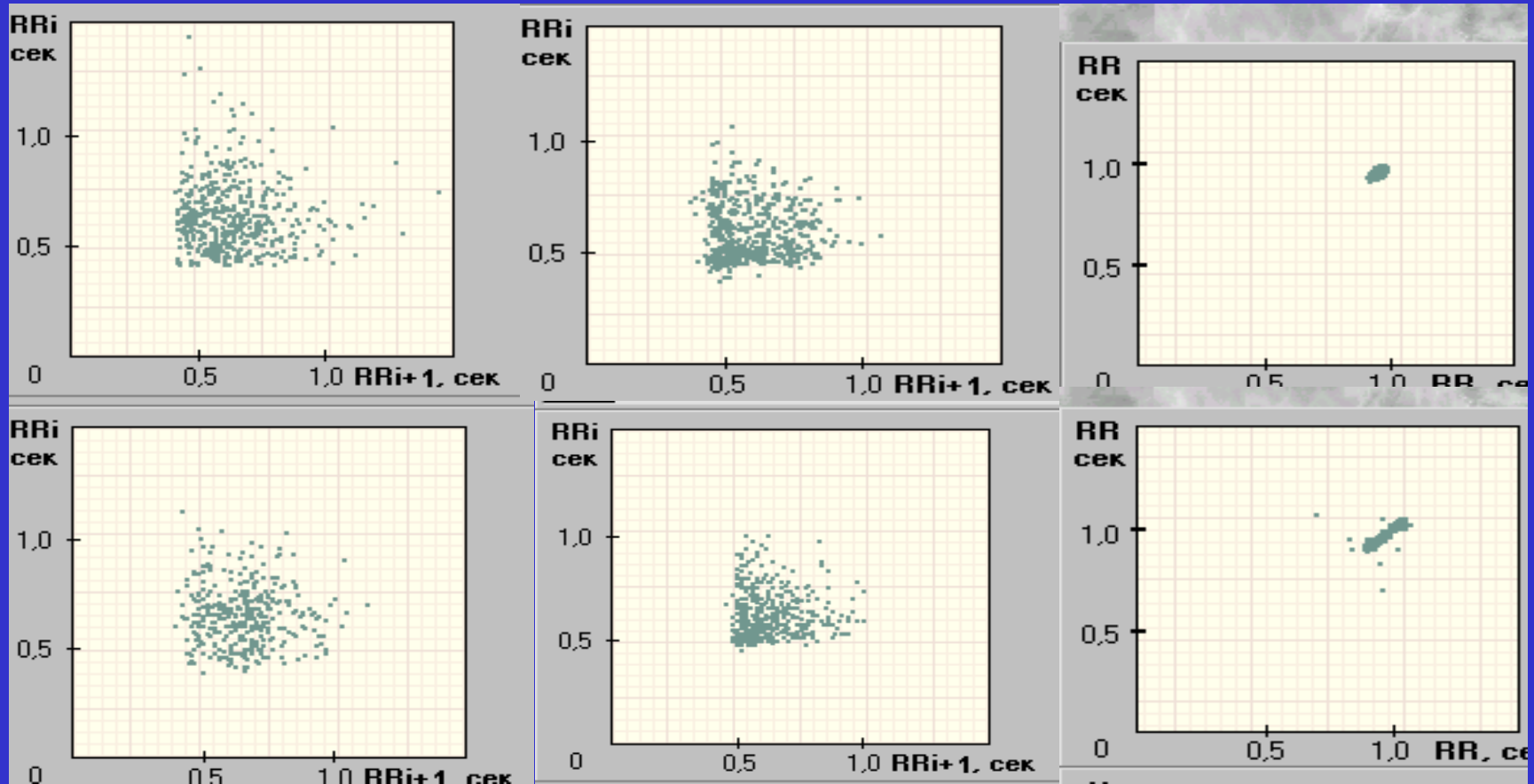


RR-scaterogram at atrial flutter amiodaronum cardioversion

Before treatment

2 weeks

4 weeks



1 weeks

3 weeks

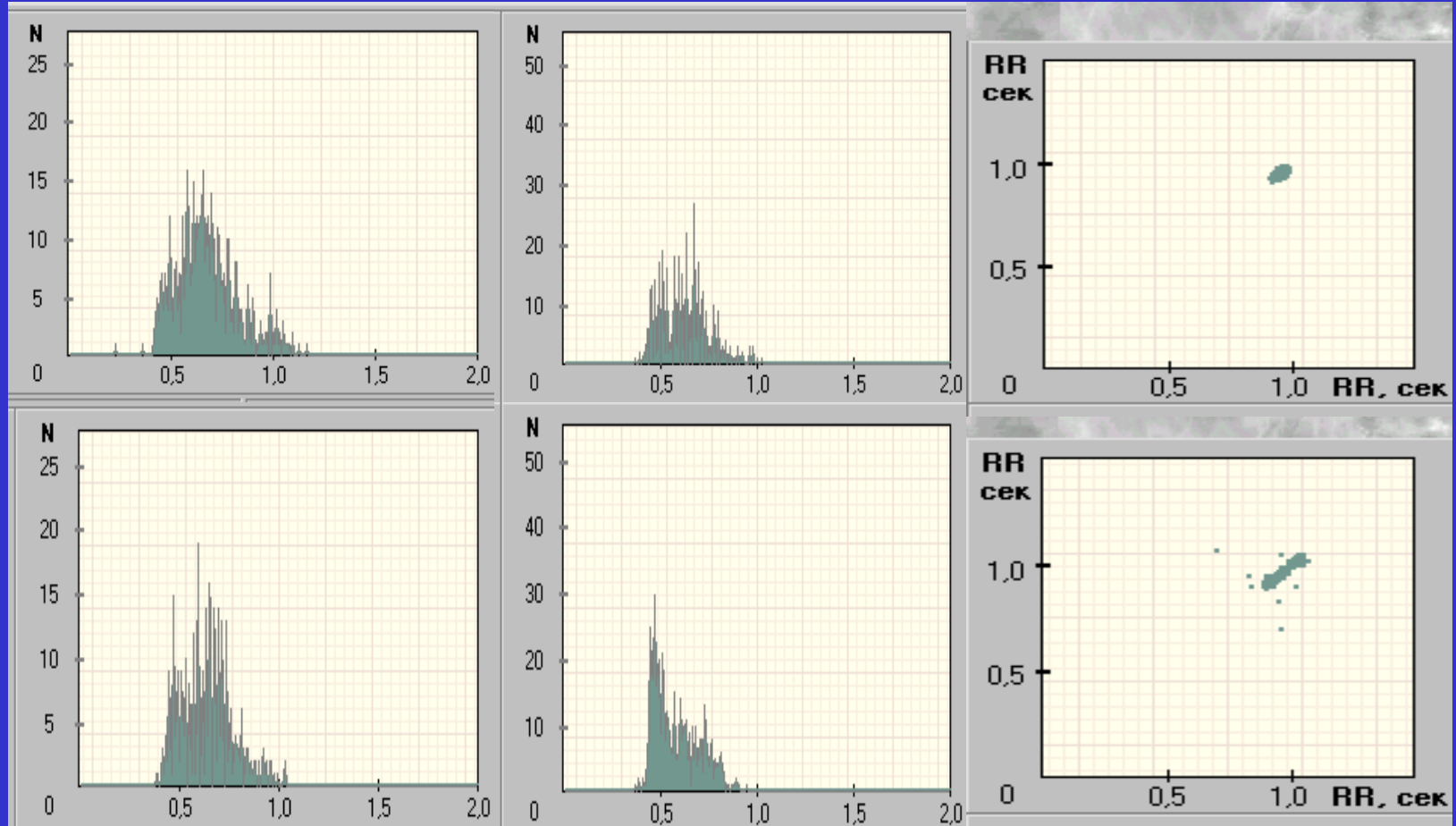
6 weeks

RR-distribution at atrial flutter amiodaronum cardioversion

Before treatment

1 weeks

4 weeks



1 weeks

3 weeks

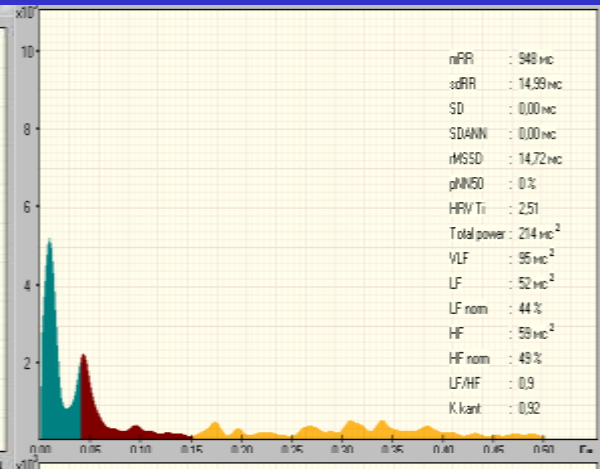
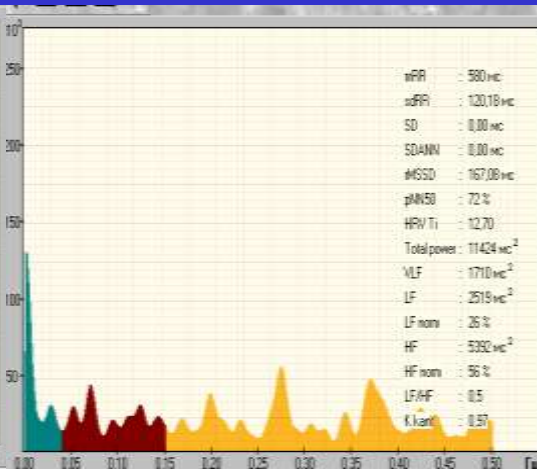
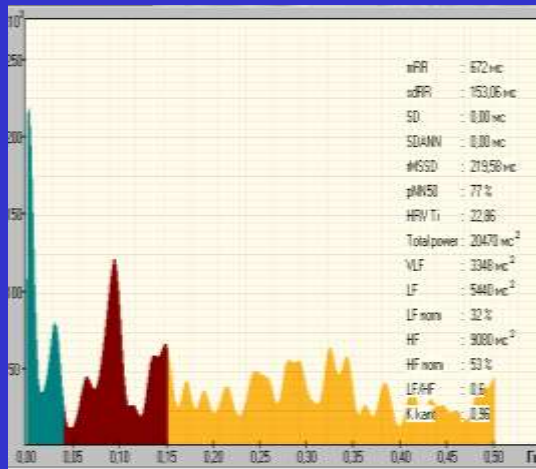
6 weeks

hrv' spectrogram at atrial flutter amiodaronum cardioversion

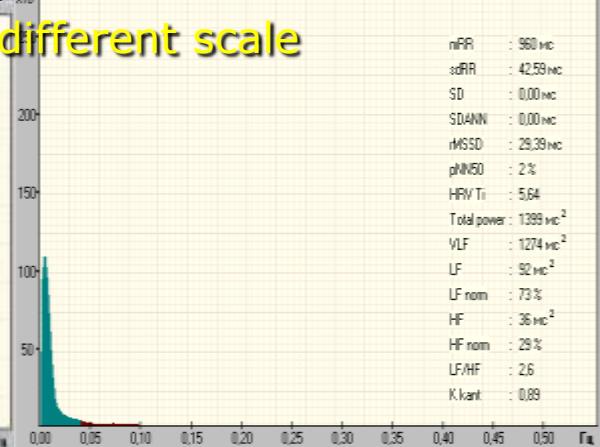
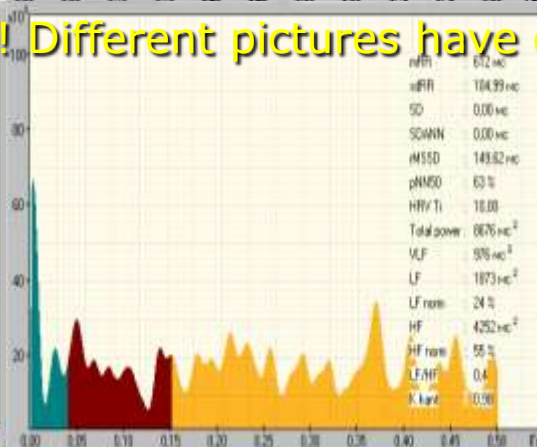
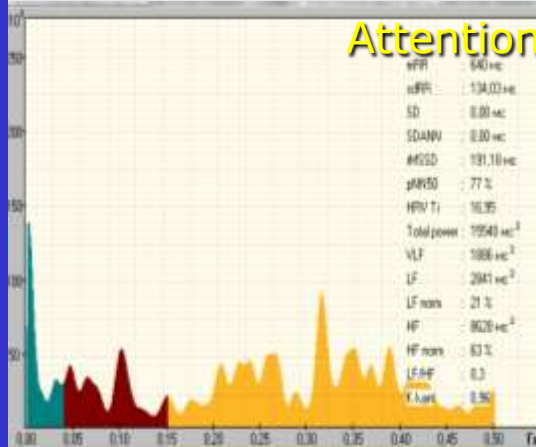
Before treatment

2 weeks

4 weeks



Attention! Different pictures have different scale



1 weeks

4 weeks

6 weeks

hrv' TP dynamic is the criterion of atrial flutter sensitivity to the drug therapy

- hrv' TP is the measure of atrial flutter chaotic degree
- hrv' TP fall during therapy is the evidence of atrial flutter chaotic sensitivity to the drug
- Bigger sensitivity means bigger effectiveness

Let use effective reduce atrial flutter hrv' TP drugs!

Amiodaronum satellite conclusion

- Amiodaronum regularizes atrial flutter heart rrythm
- Amiodaronum leads atrial flutter heart rate out to the more probably in hrv' frequency
- Criterion of prospective pharmacotherapeutic cardioversion is an effective hrv' TP fall