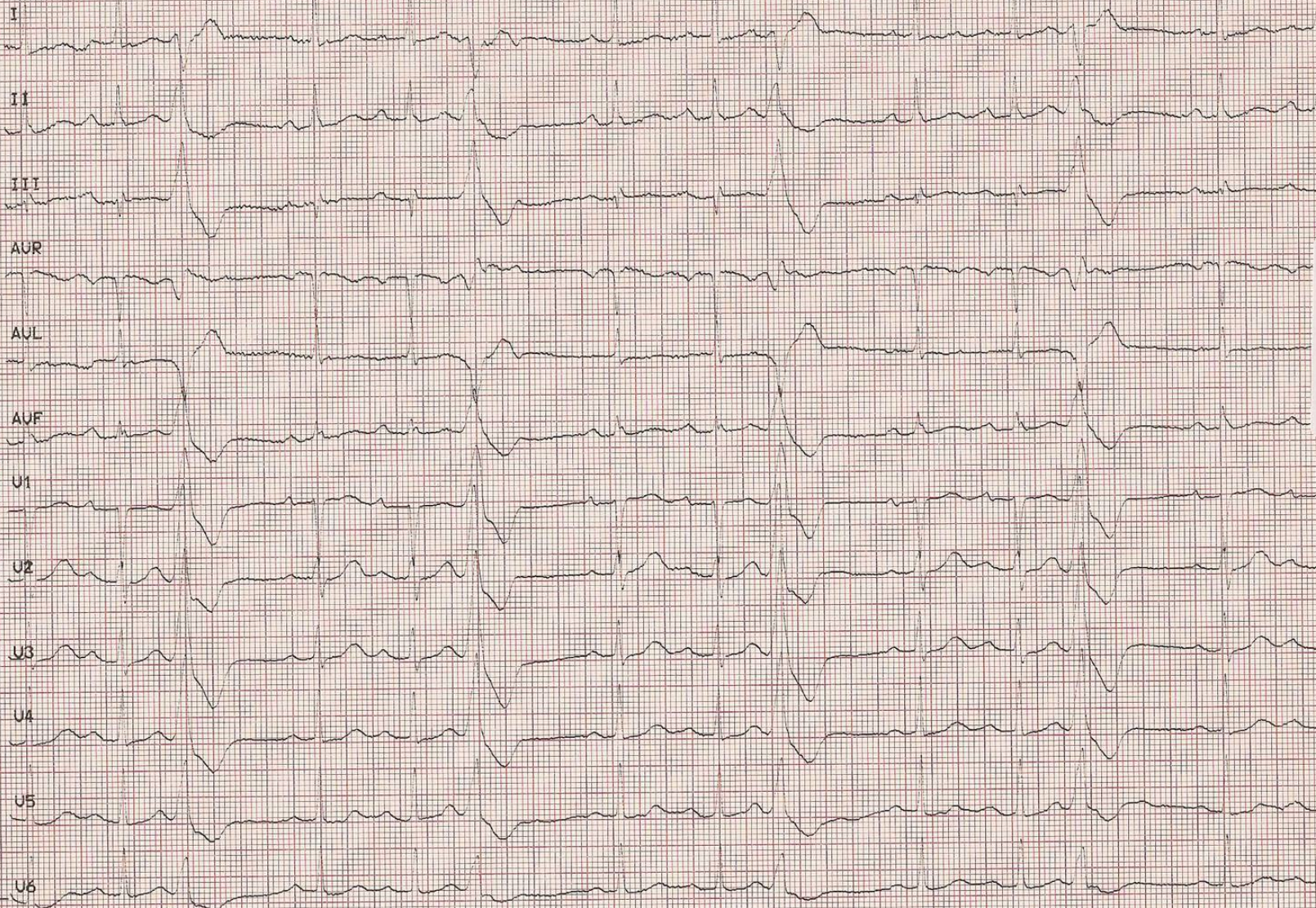# Tips and Tricks for VT ablation: Lessons from Adult Cases I:ECG INTERPRETATION

Sedat KÖSE, MD
Department of Cardiology
Liv Hospital
Ankara, TURKEY

CASE 1

- 51 year old female
- Frequent ventricular ectopy and non-sustained VT episodes
- Resistant to metoprolol, verapamil, sotalol, propafenone
- Normal coronary artery anatomy, LVEF:64%

CASE 2

- 30 year old male
- Complaint of palpitation
- Wide QRS complex tachycardia episodes (RBBB/superior axis) resistant to antiarrhythmic drugs
- No organic heart disease

mahmut akak

I

II

III

AVR

AVL

AVF

V1

V2

V3

V4

V5

V6

10 mm/mV   25 mm/s

Patient : akak mahmut / vt rf / 1981 File : C.\PAT\mahmut akak\MAHMUT AKAK.003
Comment :

Offline printed on : 08-06-2012 at 19:30:19
File recorded on : 24.11.2011 at 23:43:24 Time in file 0 msec.

EP Tracer

Version WIN2000/XP : EPTRACER V0.77

mahmut akak

I

II

V1

V6

Hra d

Hra px

Abl d

Abl px

Cs d

Cs 34

10 mm/mV   50 mm/s

Patient : akak mahmut / vt rf / 1981 File : C:\PAT\mahmut akak\MAHMUT AKAK.005
Comment : purkinje

Offline printed on : 08-06-2012 at 19:34:50
File recorded on : 24.11.2011 at 23:49:42 Time in file 12360 msec

CASE 3

- 48 year old female
- Complaint of presyncope and palpitation for 5 years
- Normal neurological exam
- 24 h Holter ECG: rare (278 beats/24 h) premature ventricular contractions
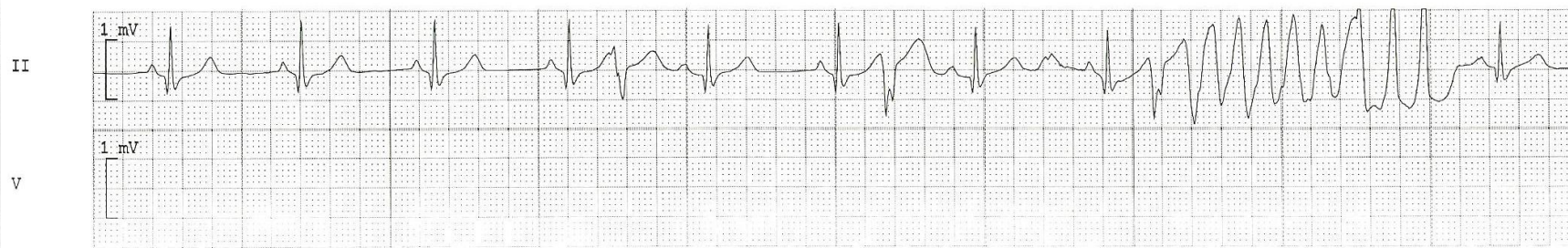- No organic heart disease

25 mm/sec
10 mm/mV

50∿ 0.5-40 Hz W

I
II
III
aVR
aVL
aVF
V1
V2
V3
V4
V5
V6
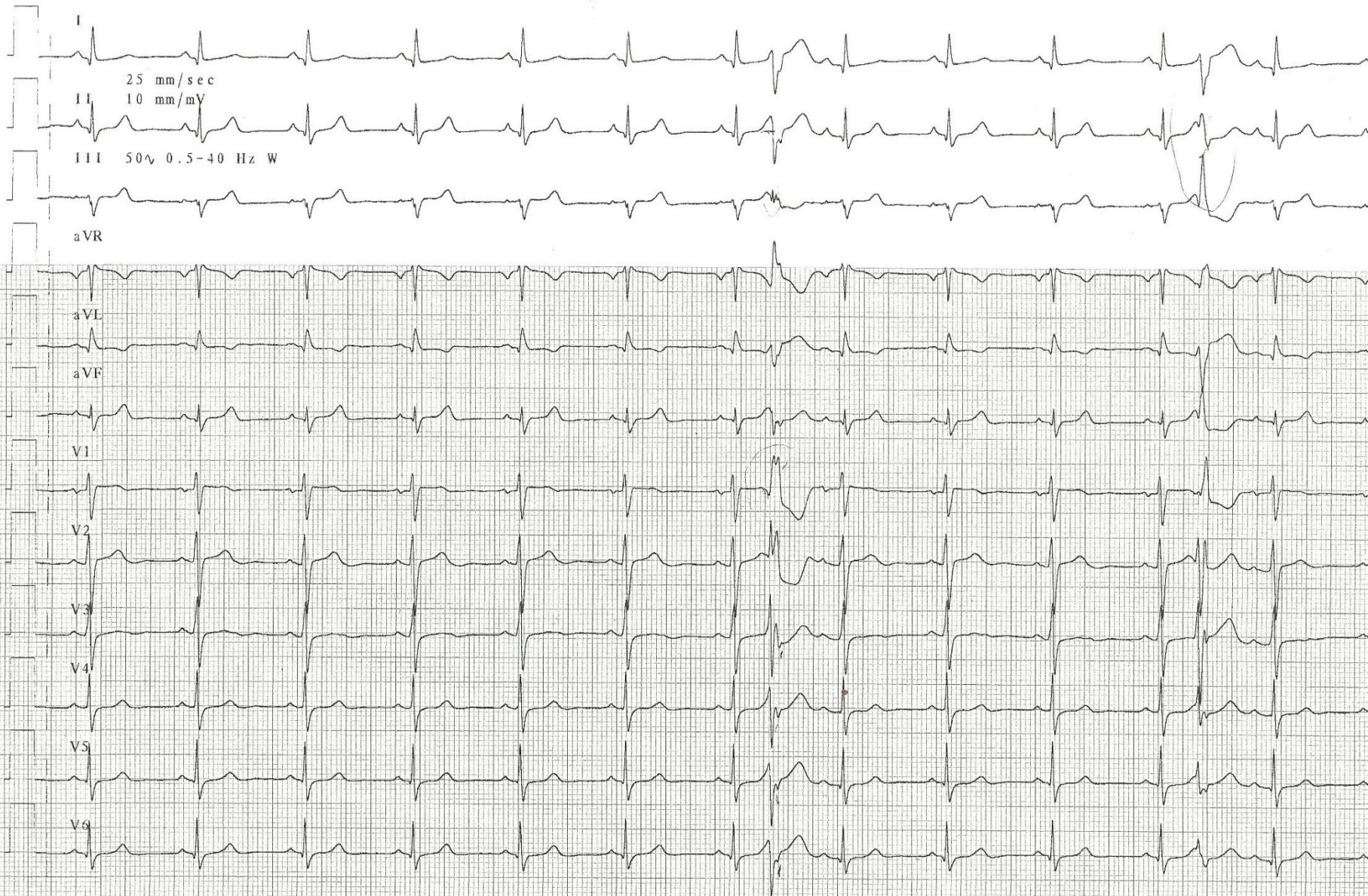
LOC 10000-1000

01767

H.P.1

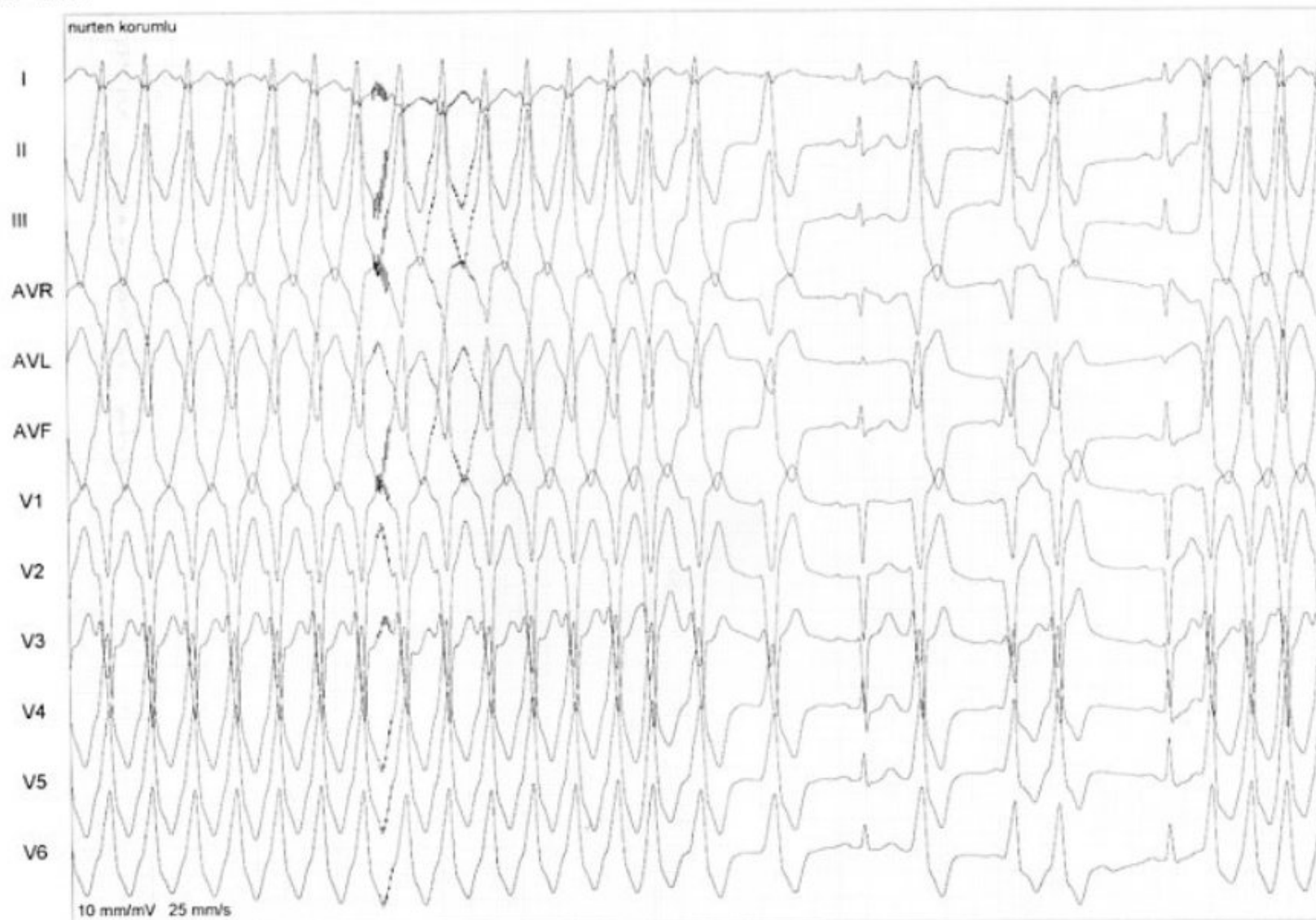|	HR.......	VF bpm
ID#	ΔARR......	VF
Hospital GATA	NBP S....	132 mmHg
Monitoring Unit MON-02	NBP D....	77 mmHg
Care Unit KYB-OZ	NBP M....	103 mmHg
Bed KYB-OZ1		

14:24:39

14:24:49

ARR: VF!   17-Oct-2011 14:24:49

CASE 4

- 49 year old female
- Palpitation and pre-syncope
- Monomorphic VT episodes resistant to antiarrhythmic drugs
- No organic heart disesae

RVOT

nurten korumlu

I

II

III

AVR

AVL

AVF

V1

V2

V3

V4

V5

V6

10 mm/mV   25 mm/s

Patient : korumlu nurten / rvot / 1963 File : C:\PAT\nurten korumlu\NURTEN KORUMLU.003
Comment :

Offline printed on : 08-06-2012 at 19:13:08
File recorded on : 28.03.2012 at 15:45:22 Time in file 0 msec

rvot

EP Tracer

Version WIN2000/XP : EPTRACER V0.77

nurten korumlu

I

II

III

AVR

AVL

AVF

V1

V2

V3

V4

V5

V6

10 mm/mV   25 mm/s

Patient : korumlu nurten / rvot / 1963   File : C:\PAT\nurten korumlu\NURTEN KORUMLU.001
Comment :

Offline printed on : 08-06-2012 at 19:19:07.
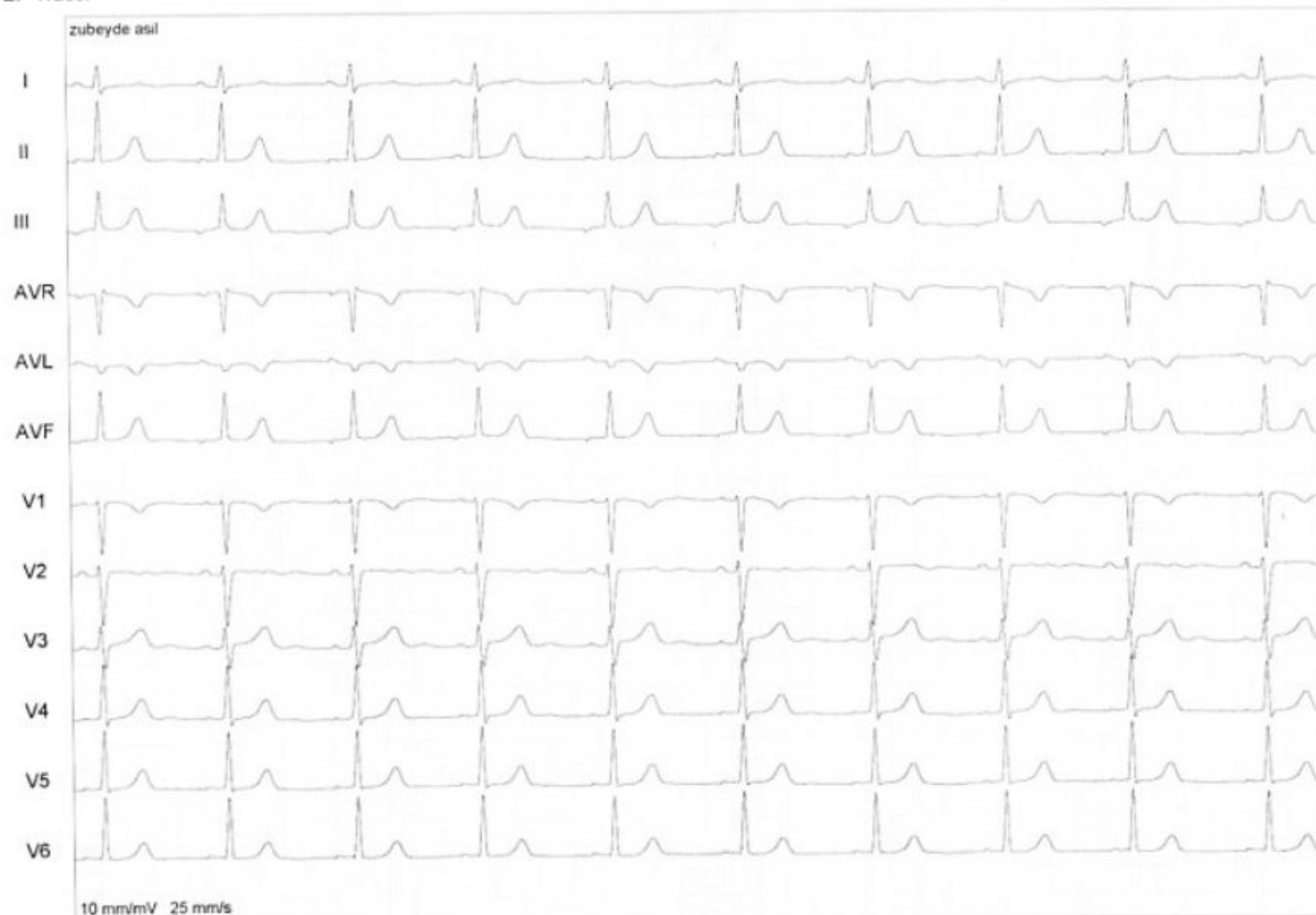File recorded on : 26.03.2012 at 15:39:10. Time in file 0 msec

CASE 5

- 26 year old female
- Complaint of palpitation
- Non-sustained VT episodes resistant to antiarrhythmics
- Failed ablation history
- No organic heart disease

zubeyde asil

I

II

III

AVR

AVL

AVF

V1

V2

V3

V4

V5

V6

10 mm/mV   25 mm/s

zubeyde asil

I

II

III

AVR

AVL

AVF

V1

V2

V3

V4

V5

V6

10 mm/mV   25 mm/s
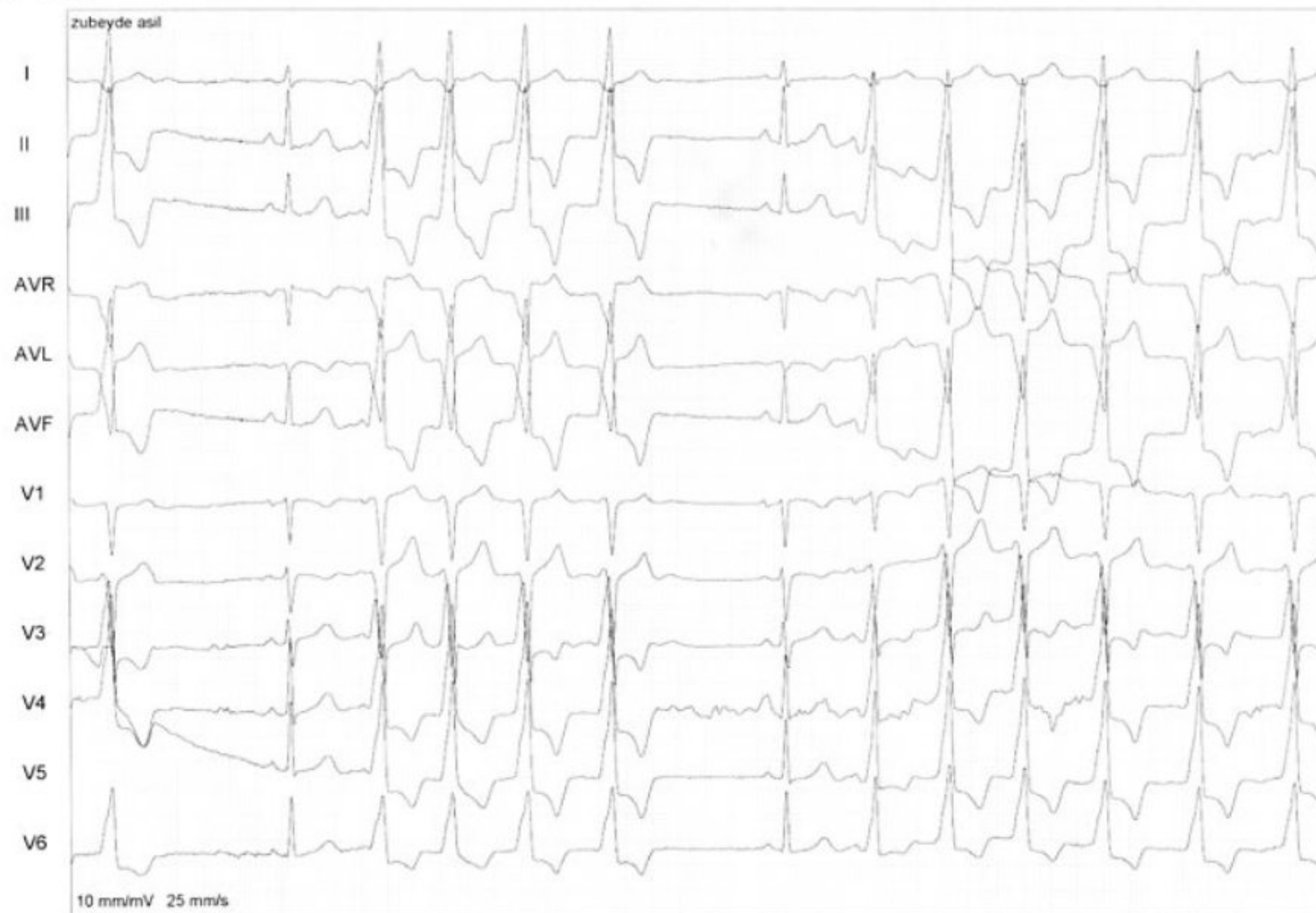
CASE 6

- 61 year old male
- Complaint of palpitation for almost 30 years
- Frequent episodes of PVC resistant to antiarrhythmics; 25000 pvc/24 hour
- 2 Failed ablation attempts
- LV EF:% 40, moderate mitral regurgitation
- Stabile CAD ,previous 2 coronary stent implantation 1 year ago
- No prior MI

musatafa nalcakan

I

II

III

AVR

AVL

AVF

V1

V2

V3

V4

V5

V6

10 mm/mV 25 mm/s

musatafa nalcakan

I

II

III

AVR

AVL

AVF

V1

V2

V3

V4

V5

V6

10 mm/mV   25 mm/s