



Your Hospital

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Patient Information

Patient Name Powerchart, Test J
Study Date 6/18/2009
MRN 333333333308
Study Number studynum01
Account Number 2010071810
Date of Birth 10/10/1944
Age 64 Years
Gender Male
Race Caucasian
Height 183 cm (6'0")
Weight 90.70 kg (200 lbs)
BSA 2.13 m²

Staff

Duty	Name	IN	OUT
Diagnostic Cardiologist	George Washington, MD	1:23 PM	
Circulator	John Adams, RN	1:38 PM	
Monitor	Andrew Jackson, RN	1:38 PM	
Scrub	Andrew Jackson, RN	1:38 PM	
Interventional Cardiologist	Theodore Roosevelt,	2:55 PM	

Procedures

Time	Procedure	Code 1	Code 2	Code 3	Code 4	Comment
2:53 PM	Left Heart Cath With Ventriculogram					
2:53 PM	Coronary Angio					
2:53 PM	Right heart catheterization - Thermodilution					
3:03 PM	PTCA					
3:03 PM	Coronary Stent Placement					

Pressure Summary (mmHg)

Time	Site	Sys	Dias	End	Mean	A Wave	V Wave	Max dp/dt	HR (BPM)
1:39 PM	RA				11	14	12		60
1:39 PM	RV	24	1	5				384	57
1:40 PM	PA	24	9		12				60
1:40 PM	PCW				7	9	10		57
2:29 PM	AO	120	80		93				60
2:29 PM	LV	119	0	14				1968	60
2:48 PM	LV	119	0	14				1920	60
2:48 PM	LV	119	0	14				1776	60
2:48 PM	PCW				5	9	6		60
2:49 PM	LV	119	0	14				1776	60
2:49 PM	AO	115	77		89				60
2:51 PM	LV	119	0	14				1776	60

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2:51 PM	AO	120	80		93				60
2:52 PM	AO	120	80		93				60
2:57 PM	AO	120	80		93				60

Pressures Used in Calculation (mmHg)

Time	Site	Sys	Dias	End	Mean	A Wave	V Wave	Max dp/dt	HR (BPM)
1:39 PM	RA				11	14	12		60
1:39 PM	RV	24	1	5				384	57
1:40 PM	PA	24	9		12				60
2:48 PM	PCW				5	9	6		60
2:51 PM	LV	119	0	14				1776	60
2:57 PM	AO	120	80		93				60

Valve Results-M

Valve	Grad (mmHg)	Flow (ml per s)	Area (cm ²)	Area Index (cm ² per m ²)	Sep per Dfp (sec per min)	HR (BPM)
Mitral	3.14					-32768
Aortic	5.42	375	3.64	1.71	12	60

Cardiac Output Results-M

Phase	Manual C.O. (l per min)	Manual C.I. (l per min per m ²)	TDCO (l per min)	TDCI (l per min per m ²)	Fick C.O. (l per min)	Fick C.I. (l per min per m ²)	Fick HR (BPM)
	4.50	2.11	0.27	0.13	5.72	2.69	59

Blood Oximetry Information-M

Time	Site	Hb (gm per dl)	Sat (%)	PO2 (mmHg)	Content (ml per dl)	Group
2:27 PM	AO	14	96		18.28	SA
2:27 PM	IVC	14	74		14.09	MV

Blood Flow Results-M

Group	Sat (%)	Content (ml per dl)
PV		
SA	96.00	18.28
PA		
MV	74.00	14.09

VO2

VO2 (ml per min)	239.73	VO2 Source	La Farge
Fick CO (l per min)	5.72	Fick CI (l per min per m ²)	2.69
A-VO2 Diff (ml per dl)	4.19		

Shunt Results

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		Indexed Values (l per min per m ²)			Indexed Values (l per min per m ²)
Qp per Qs			EPBF (l per min)		
L->R Flow (l per min)			Qp (l per min)		
R->L Flow (l per min)			Qs (l per min)	5.72	2.69

Resistance Results (Metric Units)

Phase	PVR (dsc ⁻⁵)	SVR (dsc ⁻⁵)	PVR-I (dsc ⁻⁵ *m ²)	SVR-I (dsc ⁻⁵ *m ²)	TPR (dsc ⁻⁵)	TVR (dsc ⁻⁵)	TPR-I (dsc ⁻⁵ *m ²)	TVR-I (dsc ⁻⁵ *m ²)	PVR/ SVR	TPR/ TVR
	124	1457	265	3106	213	1653	455	3523	0.09	0.13

Resistance Results (Wood Units)

Phase	PVR (WU)	SVR (WU)	PVR-I (WU*m ²)	SVR-I (WU*m ²)	TPR (WU)	TVR (WU)	TPR-I (WU*m ²)	TVR-I (WU*m ²)	PVR/ SVR	TPR/ TVR
	1.56	18.22	3.32	38.84	2.67	20.67	5.68	44.05	0.09	0.13

Stroke Work Results-M

Phase	RVS (gm*m)	LVS (gm*m)	RVS-I (gm*m per m ²)	LVS-I (gm*m per m ²)
	1.02	89.76	0.48	42.12

Intervention Summary

Intervention Type:	Coronary	Lesion Number:	1
Coronary Artery Segment:	mRCA		
Initial Stenosis (%):	96	Residual Stenosis (%):	6
Pre Timi Flow:	0: No flow/no perfusion	Post Timi Flow:	3: Complete and brisk flow/complete perfusion
Previous Treated Lesion:	Not previously Dilated	Lesion Complexity:	Medium Risk (B)
In graft to cited segment:	No		
Perforation:	No	Significant Dissection:	No
Acute Closure:	Yes	Guidewire Crossing:	Successful
Reopening:	Yes		

Treatment:	1	Treatment Type:	Balloon
Primary Indication:	Yes	Success Indication:	Yes

Time	Attempt Attributes	Duration
2:58 PM	Atm: 9	25
2:59 PM	Atm: 11	30

Supply	Usage
SR3.5SH Guide	Setup
ROADRUNNER (.018), 300CM	Setup
Stormer 10mm Coronary, 1.5	During Procedure

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Intervention Type:	Coronary	Lesion Number:	2
Coronary Artery Segment:	mLAD		
Initial Stenosis (%):	90	Residual Stenosis (%):	5
Pre Timi Flow:	0: No flow/no perfusion	Post Timi Flow:	3: Complete and brisk flow/complete perfusion
Previous Treated Lesion:	Not previously Dilated	Lesion Complexity:	High Risk (C)
In graft to cited segment:	LIMA		
Perforation:	No	Significant Dissection:	No
Acute Closure:	Yes	Guidewire Crossing:	Successful
Reopening:	Yes		

Treatment:	1	Treatment Type:	Drug Eluting Stent
Primary Indication:	Yes	Success Indication:	Yes

Time	Attempt Attributes	Duration
3:01 PM	Atm: 12	27

Supply	Usage
CYPHER, 2.5MM X 28MM	Setup

Conscious Sedation

Pre-Study Conscious Sedation Assessments	
Activity	2 - Able to move 4 extremities voluntarily or on command
Respirations	2 - Able to breathe deeply and cough freely
Circulation	2 - BP +/- 20% of pre-anesthetic level
Consciousness	2 - Fully Awake
O2 Saturation	2 - Able to maintain O2 saturation greater than 92% on room air
Pre-study Totals	10
Pre-study Assessment Statement	hes doin' aww-ite
Post-Study Conscious Sedation Assessments	
Activity	0 - Unable to move extremities voluntarily or on command
Respirations	0 - Apneic
Circulation	0 - BP +/- 50% of pre-anesthetic level
Consciousness	0 - Not responding
O2 Saturation	0 - O2 Saturation less than 90% even with O2 supplement
Post-study Totals	0
Post-study Assessment Statement	oops!

Medication Summary-M

Medication	Route	Unit	Total	Billing Code	Type
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Midazolam	IV	mg	5	Sedative
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Medication Events-M

Start	Stop	Medication	Amount	Ordered by	Given by	Comment
1:38 PM		Midazolam IV	2 mg	George Washington MD	John Adams RN	
2:55 PM		Midazolam IV	3 mg	Theodore Roosevelt	John Adams RN	

Vital Signs

Time	SpO2 (%)	HR (BPM)	BP (mmHg)	Insp CO2 (mmHg)	Exp CO2 (mmHg)	RR (per min)	Temp (°C)	LOC	Comment
1:35 PM	98	59	117/77/90			19	37.0	2	
1:35 PM		59	***/***/***			20			
1:44 PM		59	***/***/***			20			
1:51 PM		59	***/***/***			20			
3:01 PM	98	59	120/80/100			20	37.0	1	

Event Log-M

Time	Summary	Comment
	Phase:	
1:19:25 PM		Pre Case Documentation
1:23:09 PM	Case Event Type:Diagnostic Cath,Physician:Washington,George	
1:23:15 PM		Patient Arrives
1:23:15 PM		Pre-procedure Teaching Performed
1:23:15 PM		Patient Verbalized Understanding of Procedure
1:23:15 PM		Consent Signed And On Chart
1:23:15 PM		H & P On The Chart
1:23:20 PM		Armband Checked & On Patient
1:23:28 PM		No Known Drug Allergies
1:26:53 PM	12-Lead Print	
1:27:07 PM		Pre-Case: Conscious Sedation Assessment
1:27:47 PM		Lab Results Checked & Documented
1:30:08 PM		Pre-Procedure Pulses Checked & Documented
1:30:42 PM		Physician Called
1:30:44 PM		Patient Prepped & Draped In Usual Manner
1:35:37 PM	SpO2 98%; HR 59 bpm; 117/77/90 NBP; LOC 2; RR 19/min Temp 37.0 °C	
1:35:49 PM	HR 59 bpm; ***/***/*** NBP; RR 20/min	
1:36:01 PM		R & L 2 - Transducer
1:37:42 PM		Physician Arrived
1:37:45 PM		Time Out Taken
1:38:16 PM	Midazolam IV 2 mg	
1:38:33 PM		Case Start
1:38:36 PM		2% Lidocaine Administered to RFG
1:38:39 PM		Percutaneous Puncture to RFA
1:38:41 PM		Sheath Inserted Into RFA
1:38:47 PM	Arrow 24cm	

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1:39:00 PM		_____ Right Heart _____
1:39:02 PM		Swan Ganz Catheter Inserted
1:39:10 PM	7.5F Swan-Ganz	
1:39:23 PM	RA : 14/12/11, HR = 60, II	
1:39:23 PM	Snapshot: RA : 14/12/11	
1:39:45 PM	RV : 24/1/5, Max dP/dt = 384, HR = 57, II	
1:39:45 PM	Snapshot: RV : 24/1/5	
1:40:05 PM	PA : 24/9/12, HR = 60, II	
1:40:05 PM	Snapshot: PA : 24/9/12	
1:40:23 PM	PCW : 9/10/7, HR = 57, II	
1:40:23 PM	Snapshot: PCW : 9/10/7	
1:40:31 PM	TDCO: 0.27 l/min Cl: 0.13 l/min/m ²	
1:44:38 PM	HR 59 bpm; ***/***/*** NBP; RR 20/min	
1:51:32 PM	HR 59 bpm; ***/***/*** NBP; RR 20/min	
2:27:05 PM	SAT: AO 96.0%	
2:27:37 PM	SAT: IVC 74.0%	
2:28:06 PM		Swan Ganz Catheter Removed
2:28:07 PM		_____ Lt. Ventricle _____
2:28:08 PM		Catheter Inserted by Guidewire
2:28:19 PM	JL4.0	
2:29:11 PM	AO : 120/80/93, HR = 60, II	
2:29:11 PM	Snapshot: AO : 120/80/93	
2:29:33 PM	LV : 119/0/14, Max dP/dt = 1968, HR = 60, II	
2:29:33 PM	Snapshot: LV : 119/0/14	
2:48:03 PM	LV : 119/0/14, Max dP/dt = 1920, HR = 60, II	
2:48:03 PM	Snapshot: LV : 119/0/14	
2:48:11 PM		_____ Mitral Valve _____
2:48:17 PM	Mitral : Valve Area > 5.0 cm ²	
2:48:23 PM	LV : 119/0/14, Max dP/dt = 1776, HR = 60, II	
2:48:23 PM	PCW : 9/6/5, HR = 60, II	
2:48:23 PM	Snapshot: LV : 119/0/14	
2:48:23 PM	Snapshot: PCW : 9/6/5	
2:49:17 PM		_____ Aortic Valve _____
2:49:35 PM	Aortic : Valve Area = 2.86 cm ²	
2:49:41 PM	LV : 119/0/14, Max dP/dt = 1776, HR = 60, II	
2:49:41 PM	AO : 115/77/89, HR = 60, II	
2:49:41 PM	Snapshot: LV : 119/0/14	
2:49:41 PM	Snapshot: AO : 115/77/89	
2:50:23 PM	Manual CO:4.50 l/min; Cl:2.11 l/min/m ²	
2:50:46 PM		_____
2:50:48 PM		LV Gram
2:51:21 PM	Aortic : Valve Area = 3.64 cm ²	
2:51:21 PM	LV to AO: P-P Grad = -1.00 mmHg	
2:51:24 PM	LV : 119/0/14, Max dP/dt = 1776, HR = 60, II	
2:51:30 PM	Pullback from LV to AO	
2:51:31 PM	Snapshot: Pullback: LV to AO.	
2:51:32 PM	AO : 120/80/93, HR = 60, II	
2:52:06 PM		Aortagram
2:52:08 PM		Catheter Removed
2:52:09 PM		_____ Coronaries _____
2:52:10 PM		Catheter Inserted by Guidewire
2:52:23 PM	JR4.0	
2:52:31 PM	AO : 120/80/93, HR = 60, II	

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2:52:31 PM	Snapshot: AO : 120/80/93	
2:52:36 PM		Left Coronary System Injected & Multiple Views Taken
2:52:39 PM		Catheter Removed
2:52:42 PM		Catheter Inserted by Guidewire
2:52:46 PM		Right Coronary System Injected & Multiple Views Taken
2:52:51 PM		Catheter Removed
2:53:20 PM	Procedure: Left Heart Cath With Ventriculogram	
2:53:26 PM	Procedure: Coronary Angio	
2:53:44 PM	Procedure: Right heart catheterization - Thermodilution	
2:55:23 PM		_____Interventional_____
2:55:32 PM		Physician Arrived
2:55:41 PM	Case Event Type: Interventional Cath, Physician: Roosevelt, Theodore	
2:55:48 PM		Time Out Taken
2:55:51 PM	Midazolam IV 3 mg	
2:56:05 PM		_____
2:56:23 PM		ACT Drawn
2:56:24 PM		ACT Results: 210
2:56:32 PM		_____PTCA_____
2:56:33 PM		Guide Catheter Inserted
2:56:44 PM	SR3.5SH Guide	
2:56:47 PM		Interventional Guidewire Inserted
2:57:05 PM	300CM ROADRUNNER (.018)	
2:57:13 PM	AO : 120/80/93, HR = 60, II	
2:57:13 PM	Snapshot: AO : 120/80/93	
2:57:16 PM		Coronary Artery Visualized
2:57:17 PM		Balloon catheter inserted
2:57:34 PM	1.5 Stormer 10mm Coronary	
2:58:49 PM	Balloon inflated for 25 sec @ 9 atm in the mRCA.	
2:59:04 PM	Balloon inflated for 30 sec @ 11 atm in the mRCA.	
2:59:19 PM		Balloon Catheter Removed
2:59:21 PM		Post Injection of Coronaries
2:59:29 PM		_____Stent_____
2:59:33 PM		Stent catheter inserted
2:59:40 PM	2.5MM X 28MM CYPHER	
3:01:20 PM	Stent deployed for 27 sec @ 12 atm in the mLAD.	
3:01:42 PM	SpO2 98%; HR 59 bpm; 120/80/100 LOC 1; RR 20/min Temp 37.0 °C	
3:02:21 PM		Stent deployment system removed
3:02:23 PM		Post Injection of Coronaries
3:02:23 PM		Guidewire Removed
3:02:25 PM		Guide Catheter Removed
3:02:26 PM		ACT Drawn
3:02:27 PM		ACT Results: 225
3:02:42 PM		_____Post Case Documentation_____
3:02:43 PM		Injection Of Iliac For Possible Closure Device
3:02:44 PM		Sheath Pulled & Pressure Applied For

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		Closure Device
3:02:44 PM		Closure Device Deployed
3:02:57 PM	6FR 300CM PERCUSURGE OTW	
3:03:10 PM	Procedure: PTCA	
3:03:11 PM	Procedure: Coronary Stent Placement	
3:04:02 PM		Sheath Pulled & Manual Pressure Held For "35" Minutes
3:04:11 PM		Sheath Sutured In Place
3:04:14 PM		Sheath Sutured In Place by:
3:04:16 PM		Post Case: Conscious Sedation
3:04:41 PM		Post Procedure Pulses Checked & Documented
3:05:13 PM		Hemostasis Obtained
3:05:14 PM		Sterile Dressing Applied To Site
3:05:15 PM		Pressure Dressing Applied To Site
3:05:16 PM		Post Procedure Teaching Performed
3:05:16 PM		Patient Verbalizes Understanding Of Teaching
3:05:17 PM		Report Called To:
3:05:18 PM		Patient Transferred To:

Supplies Summary

Time	Size	Manufacturer	Item Name (Model)	Serial Number	Lot Number	Part Number	Billing Code	Comment
1:38 PM			Arrow 24cm			CL0772 4		
1:39 PM	7.5F		Swan- Ganz			831HF7 5		
2:28 PM			JL4.0			533-620		
2:52 PM			JR4.0			538-421		
2:56 PM			SR3.5SH Guide			Z26SR3 5SH		
2:57 PM	300C M		ROADRU NNER (.018)			202585		
2:57 PM	1.5		Stormer 10mm Coronary			D3S151 0		
2:59 PM	2.5M M X 28M M		CYPHER			CXS282 50		
3:02 PM	6FR 300C M		PERCUS URGE OTW			G14630 0US		

Contrast-M

Time	Contrast	Amount (ml)	Comment
2:54 PM	Omnipaque	25	
3:03 PM	Isovue	15	

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Radiology Summary

Total Runs	
Total Cine Frames	20

	Cine	Archive	CD
Identification (ID)			

	Diagnostic	Interventional	Total
Fluoro Time (minutes)	12.0	6.0	18.0

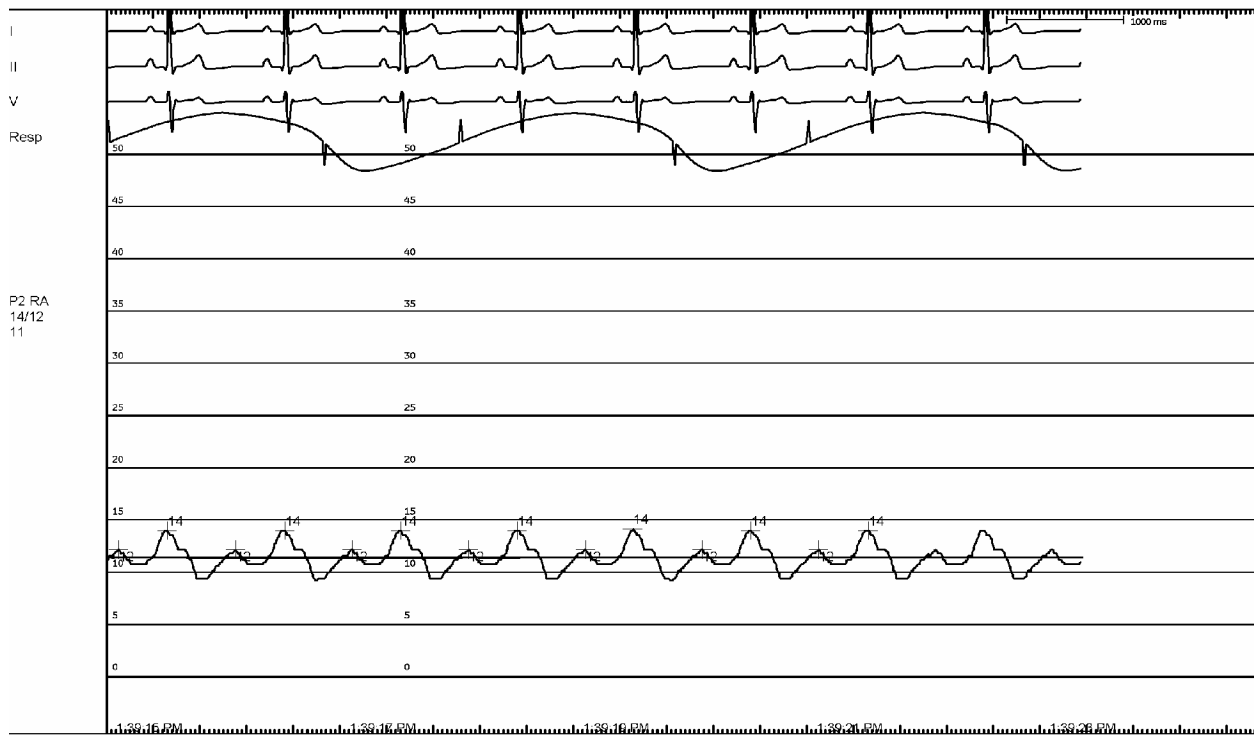
	Exam Record DAP	Exam Fluoro DAP	Exam Total DAP
Dose Area Product (cGycm2)	8.0	10.0	18.0

Complications

Time	Complication	Comment
2:55 PM	Ventricular tachycardia	
3:03 PM	Bleeding Access Site	

Snapshots

Snapshot: RA : 14/12/11



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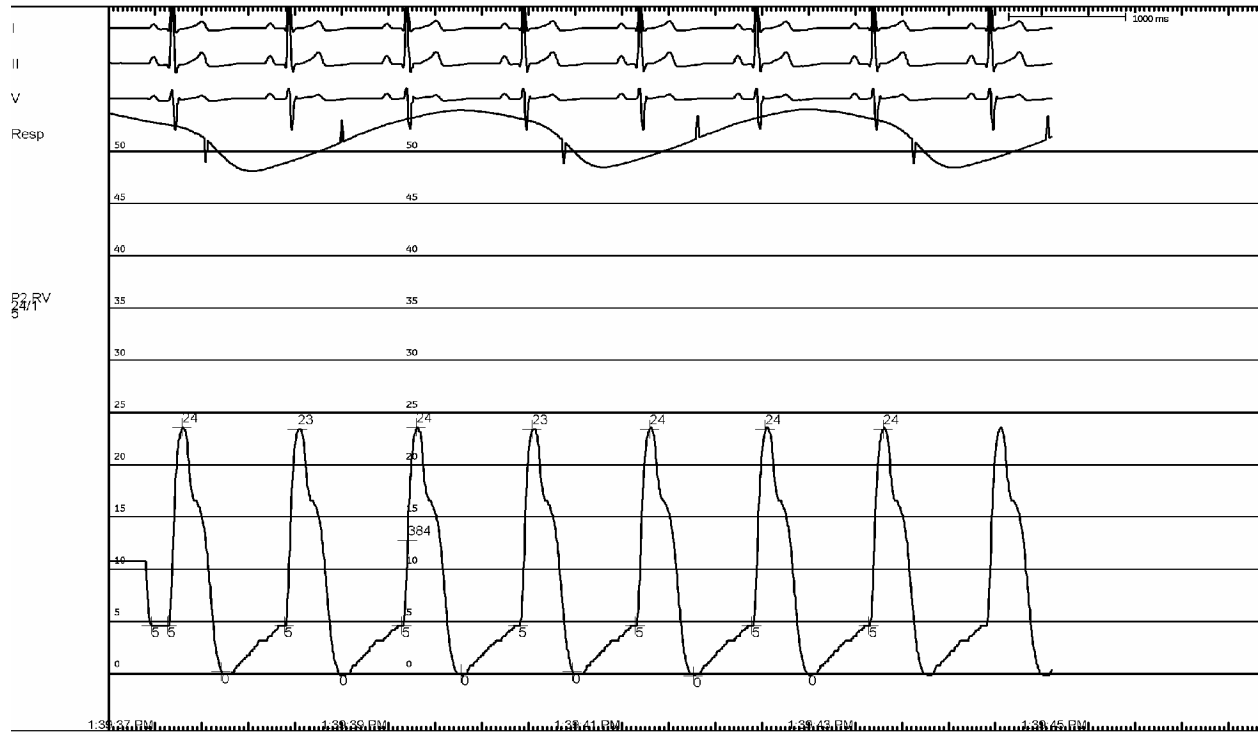
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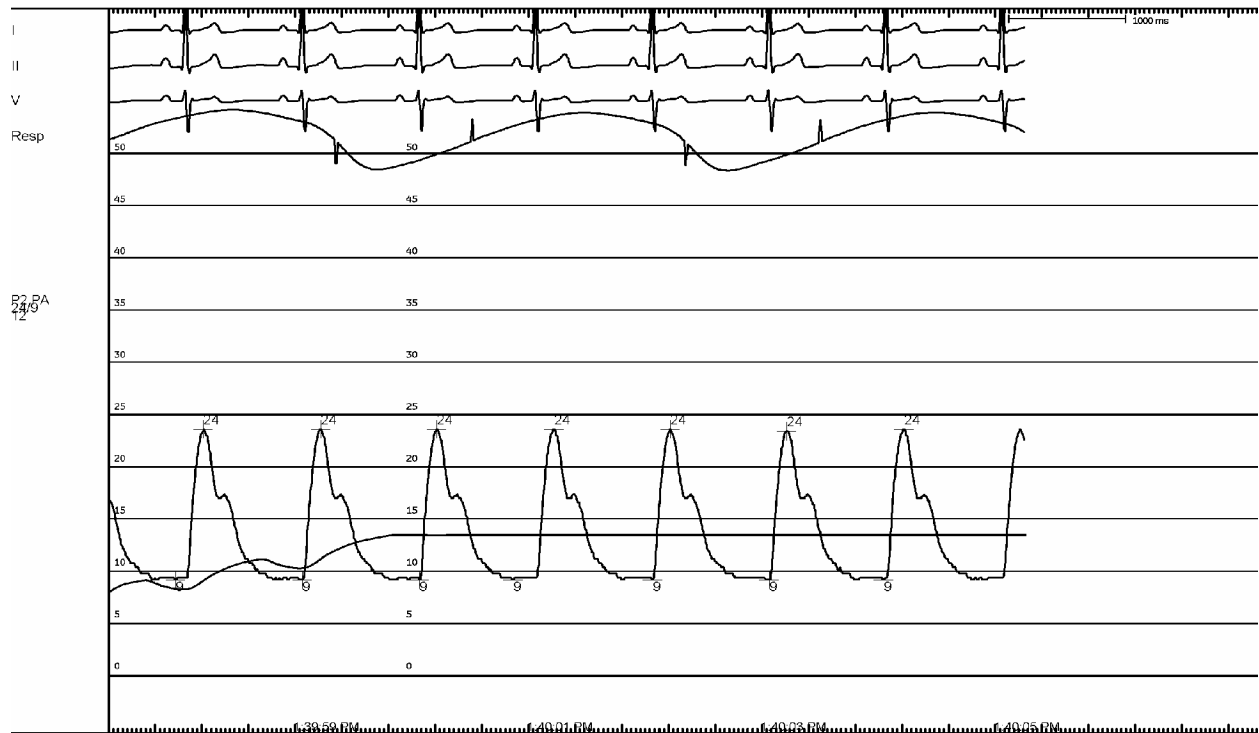
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Snapshot: RV : 24/1/5



Snapshot: PA : 24/9/12



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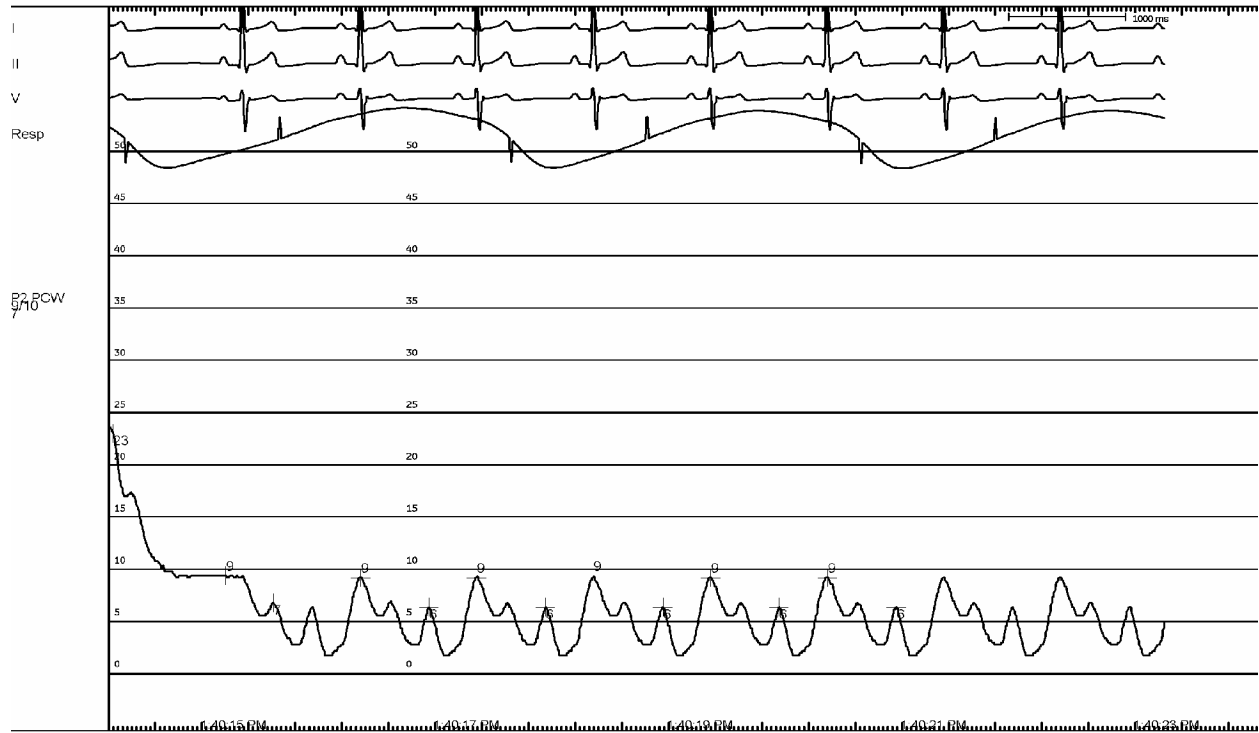
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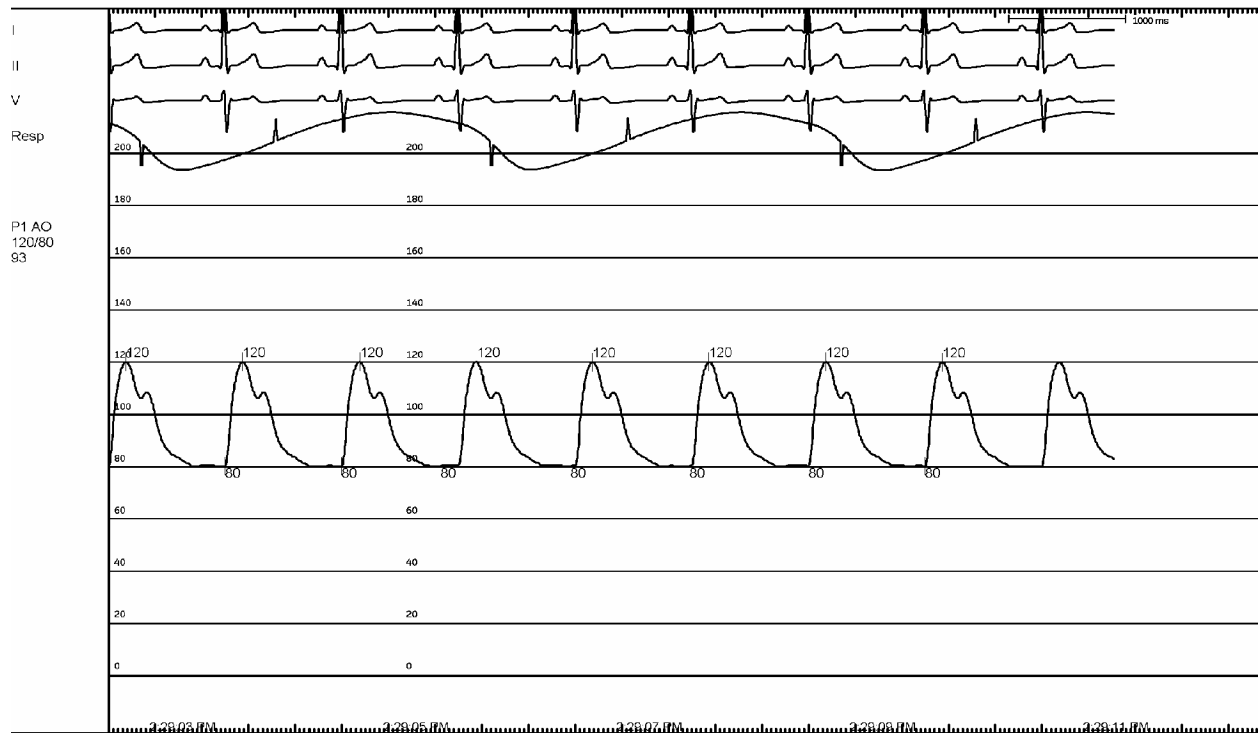
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Snapshot: PCW : 9/10/7



Snapshot: AO : 120/80/93



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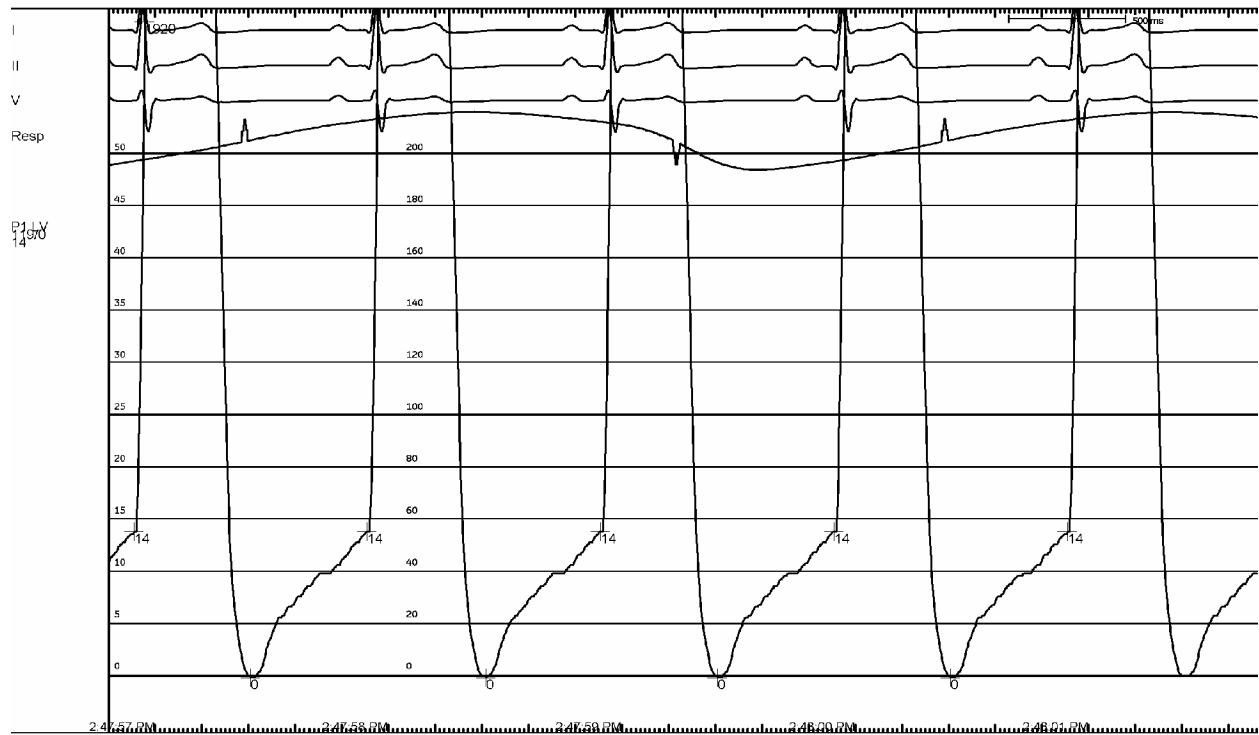
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Snapshot: LV : 119/0/14



Snapshot: LV : 119/0/14



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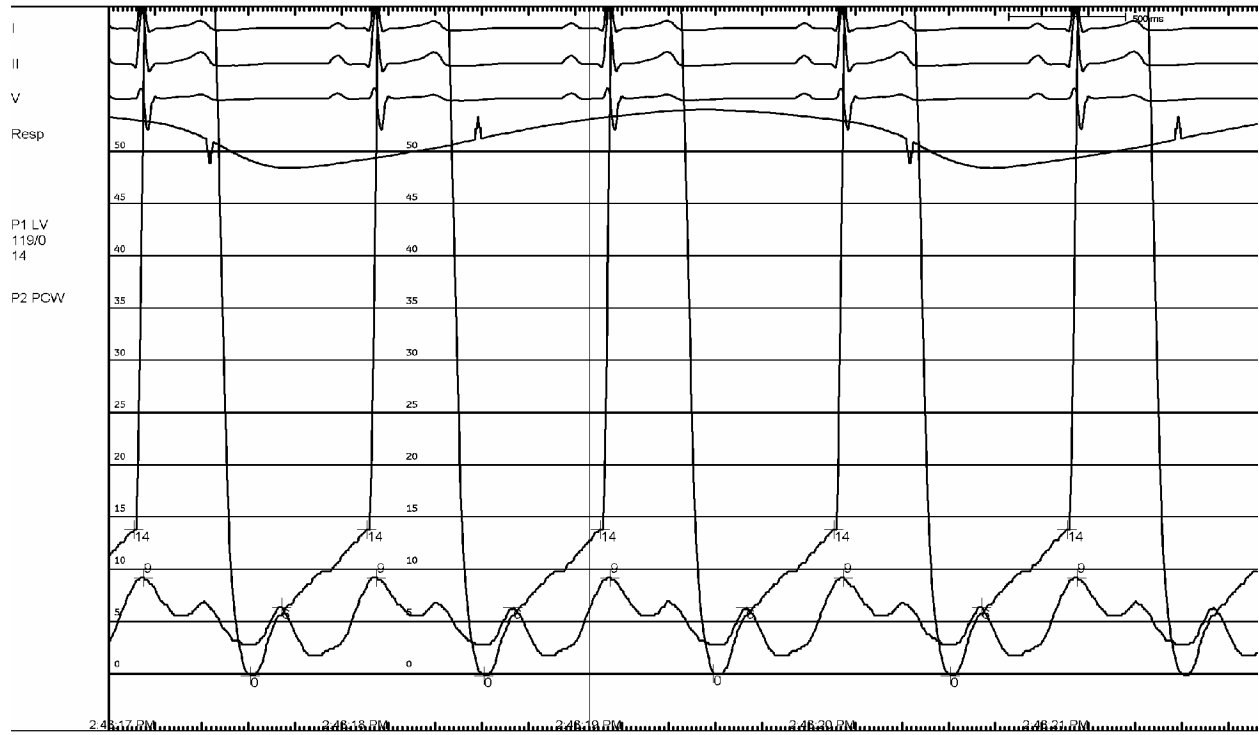
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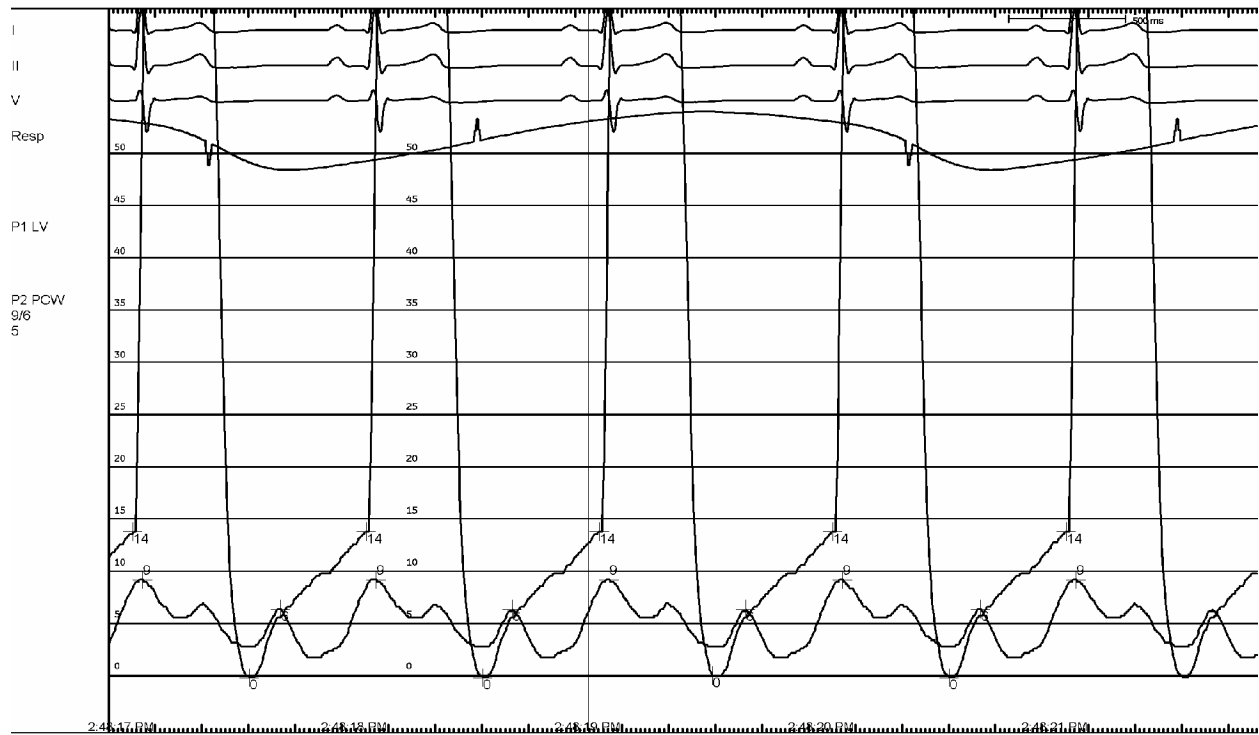
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Snapshot: LV : 119/0/14



Snapshot: PCW : 9/6/5



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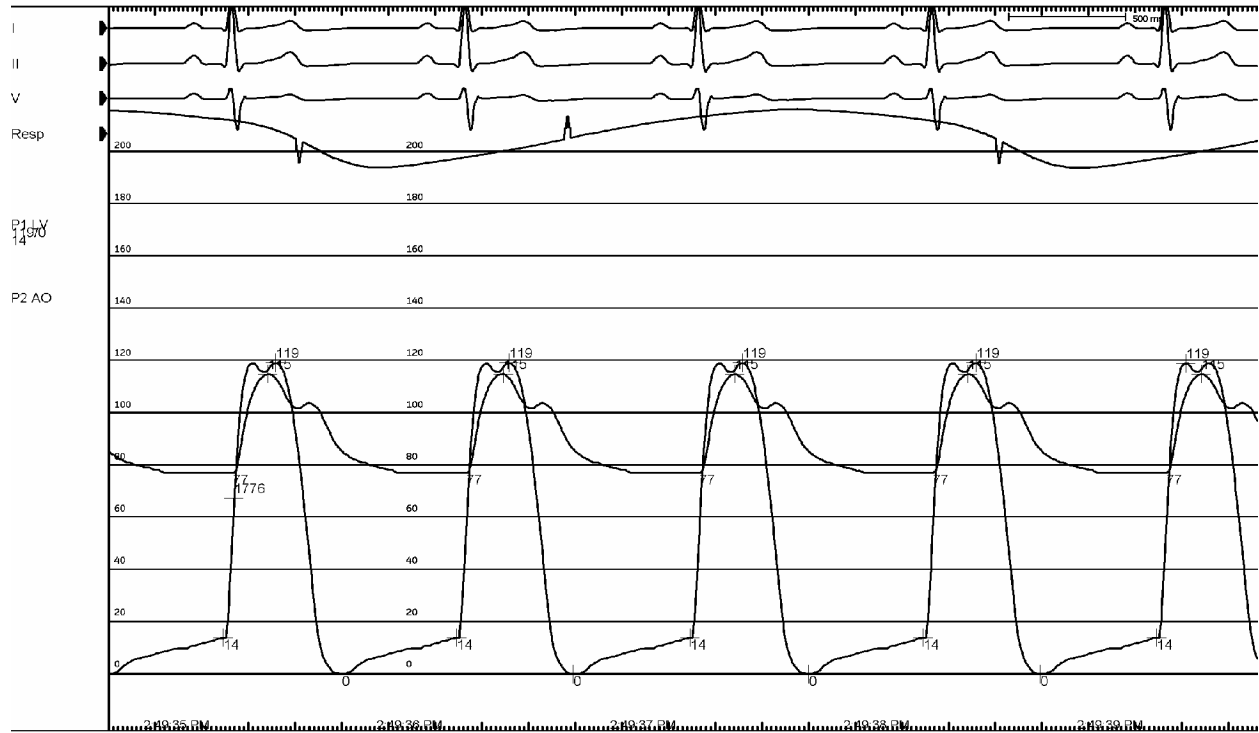
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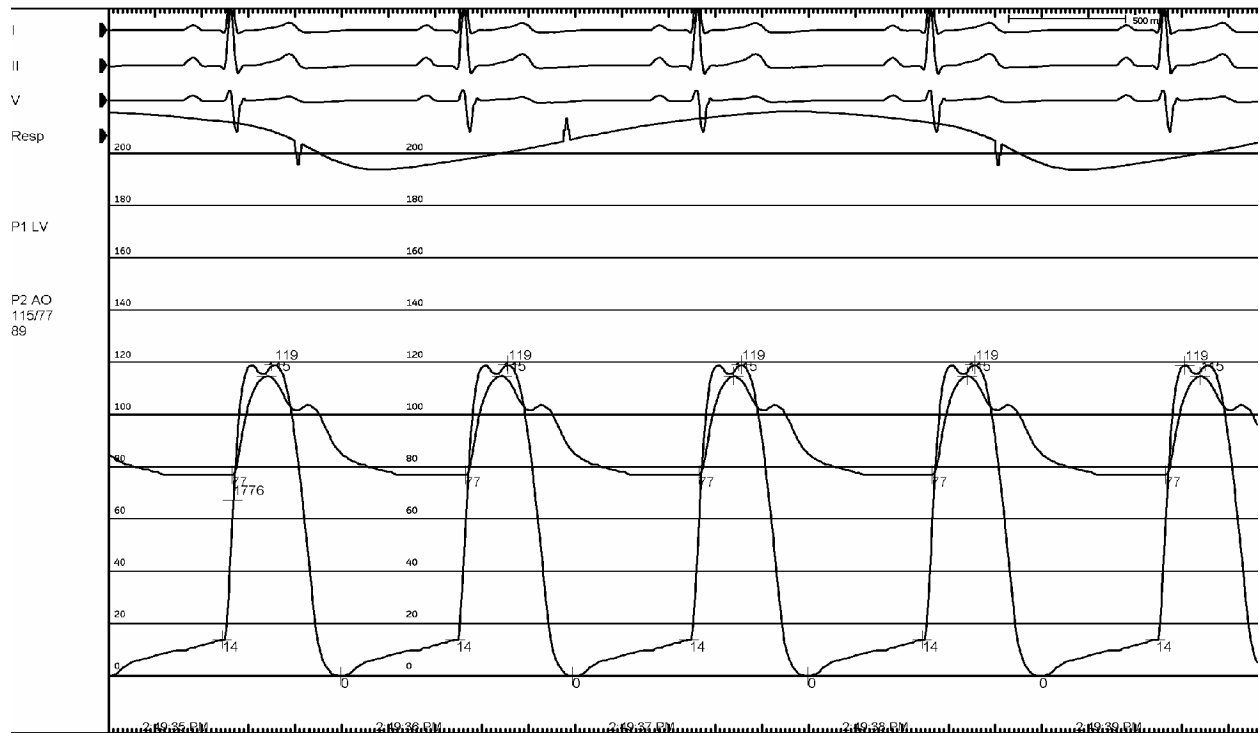
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Snapshot: LV : 119/0/14



Snapshot: AO : 115/77/89



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Snapshot: Pullback: LV to AO.



Snapshot: AO : 120/80/93



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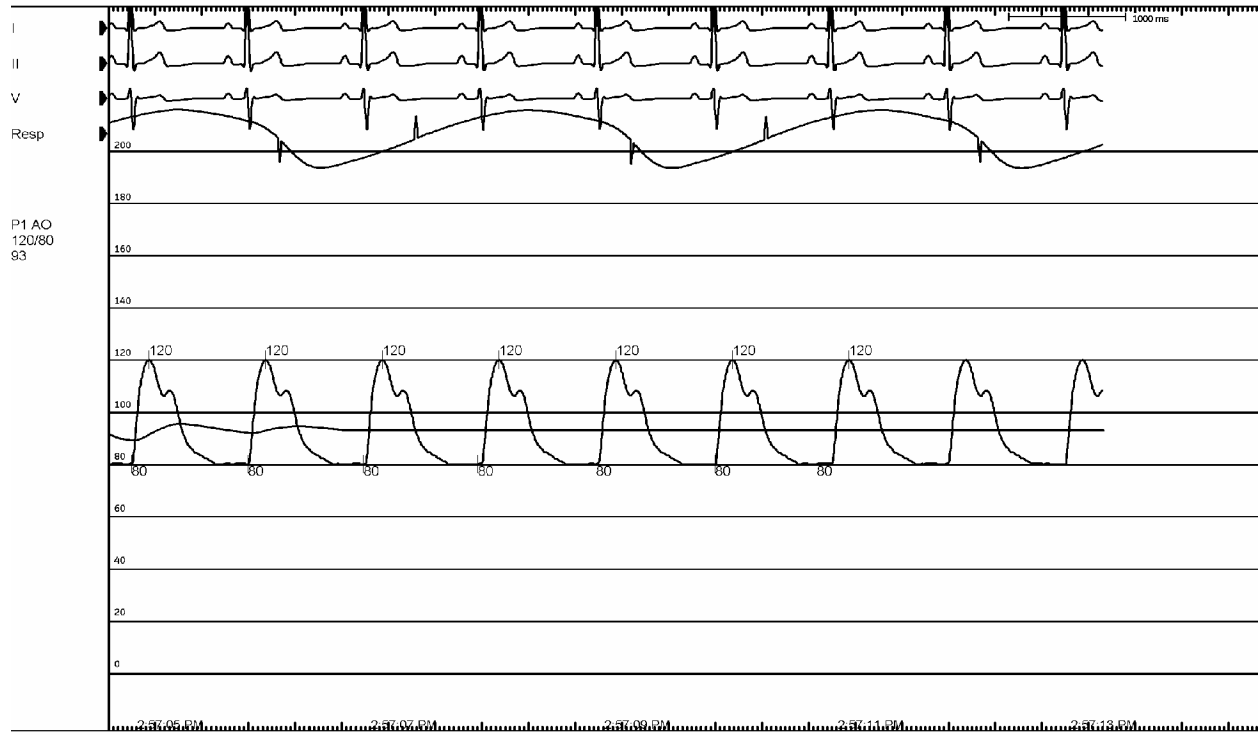
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Snapshot: AO : 120/80/93



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