

Interesting echocardiography Interhospital

Prayuth Rasmeehirun MD. Fellowship in cardiology, Siriraj hospital

Female 54 Y



Progressive dyspnea and pitting edema for 3 years.

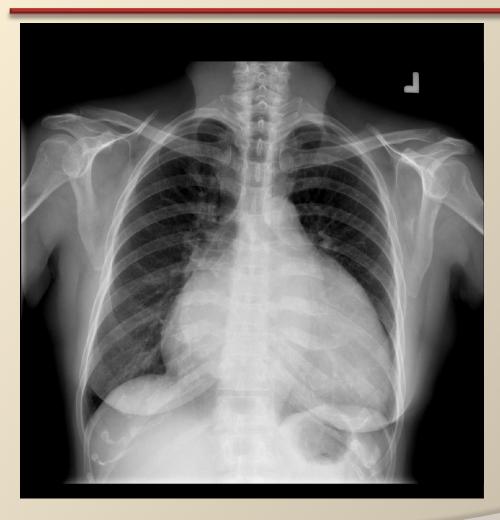
Frequent syncope 2-3 time in past 2 years

No known underlying disease

No Family history of sudden cardiac death

Chest x-ray





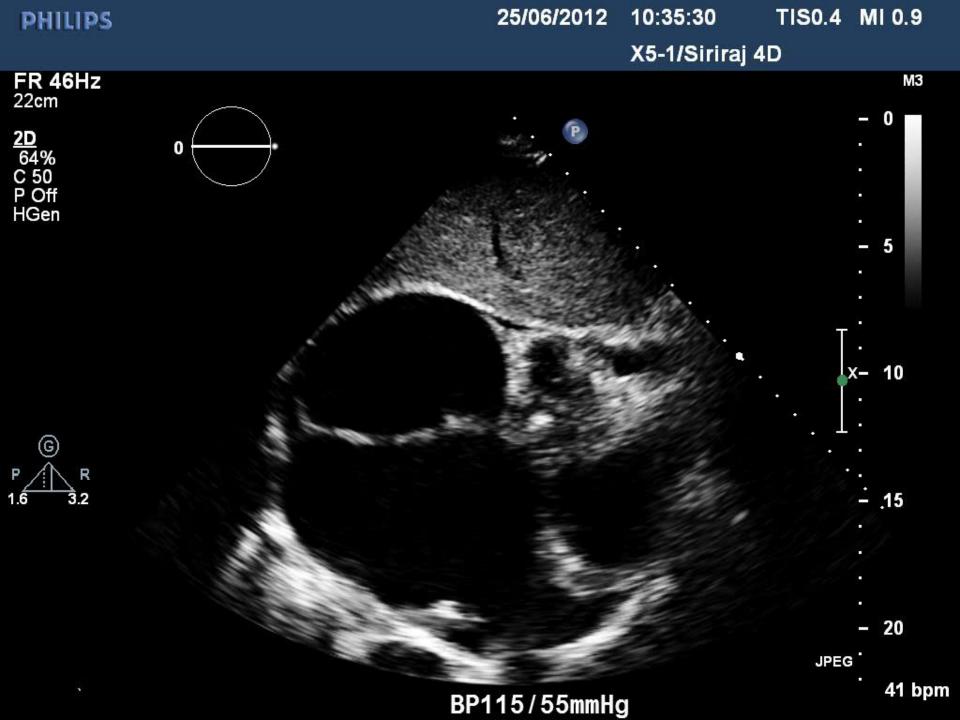


25/06/2012 10:40:38 TIS0.5 MI 1.1

74 bpm

X5-1/Siriraj 4D FR 21Hz 24cm МЗ 3D Zoom 64% 64% 50dB P Off HGen **©** JPEG





25/06/2012 10:36:14

TIS0.6 MI 1.3

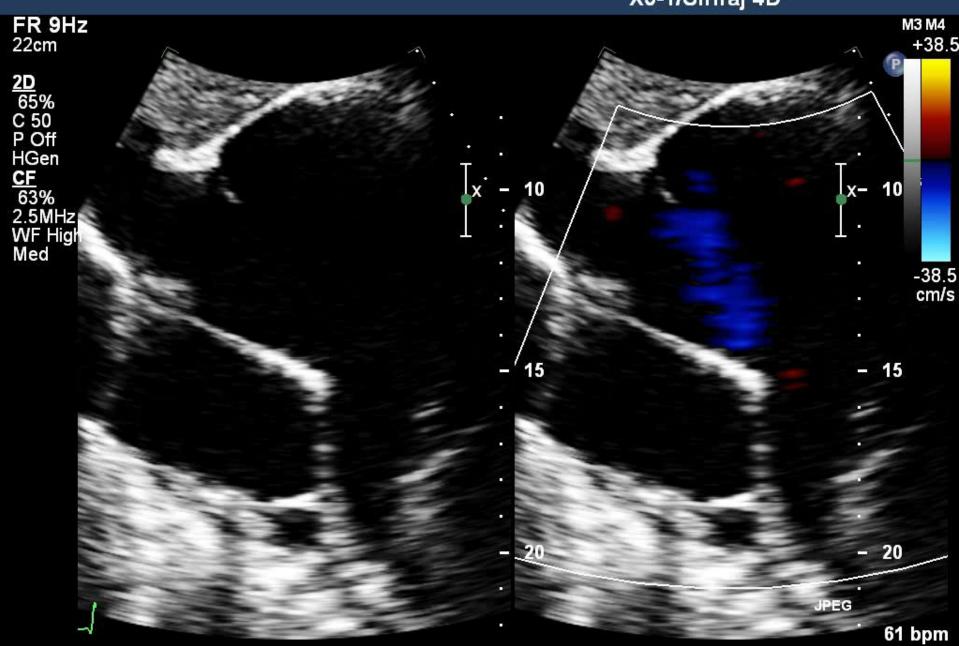
X5-1/Siriraj 4D

FR 12Hz 22cm

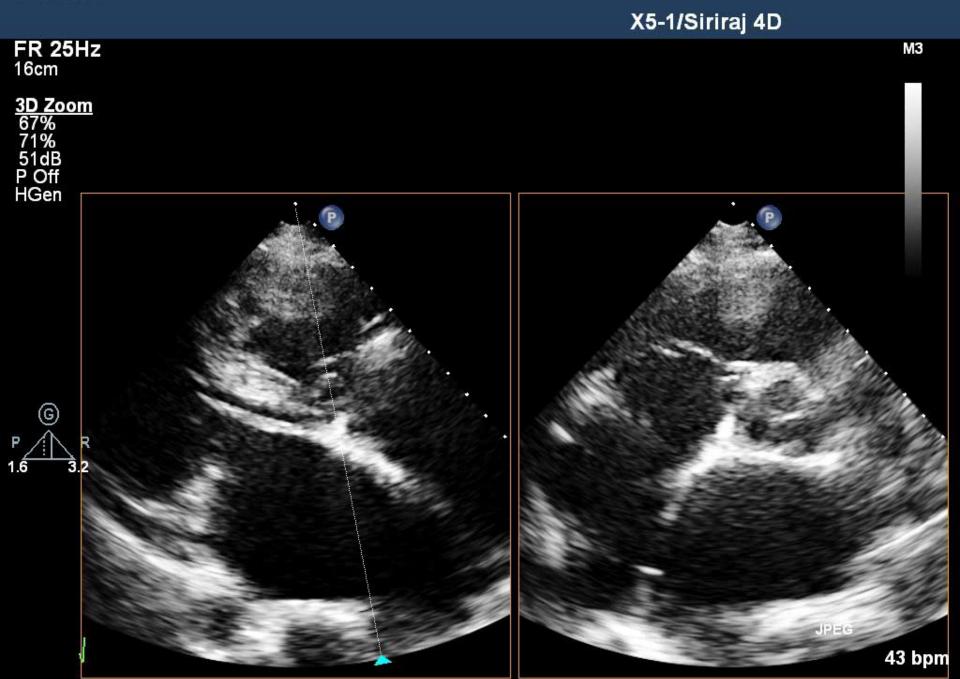
3D 3D 50% 3D 60dB

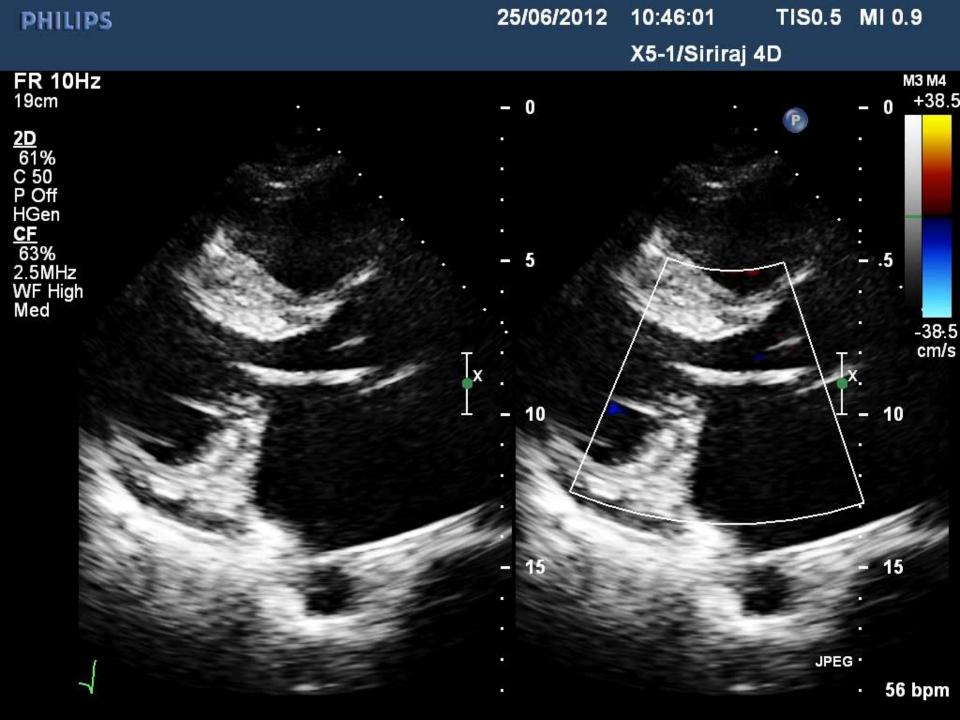


25/06/2012 10:40:21 TIS0.5 MI 0.9 X5-1/Siriraj 4D



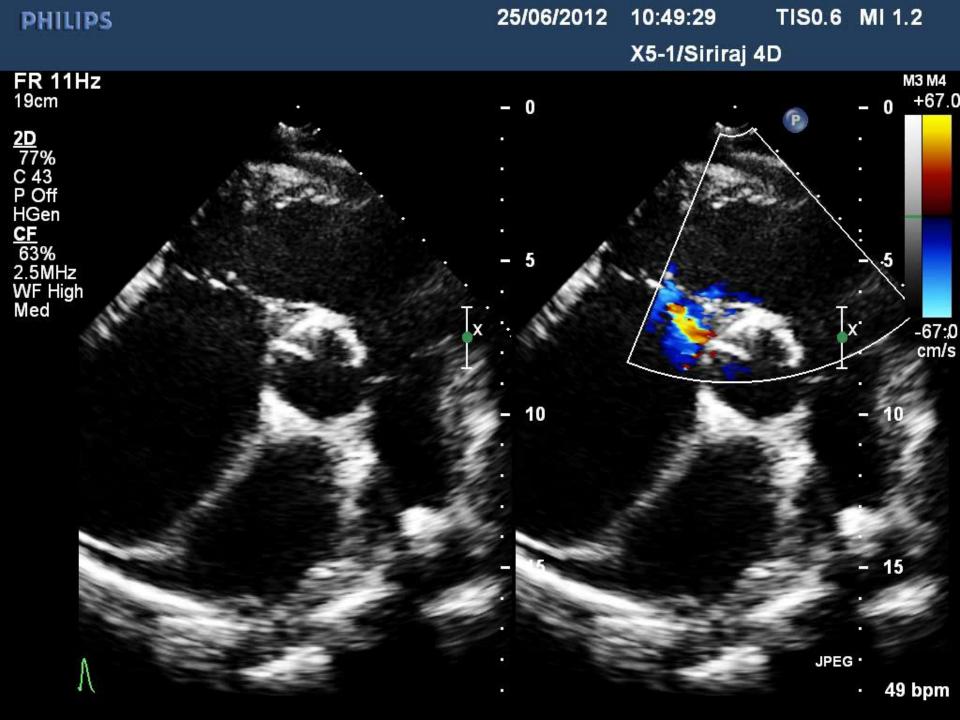
25/06/2012 11:51:15 TIS0.5 MI 1.1

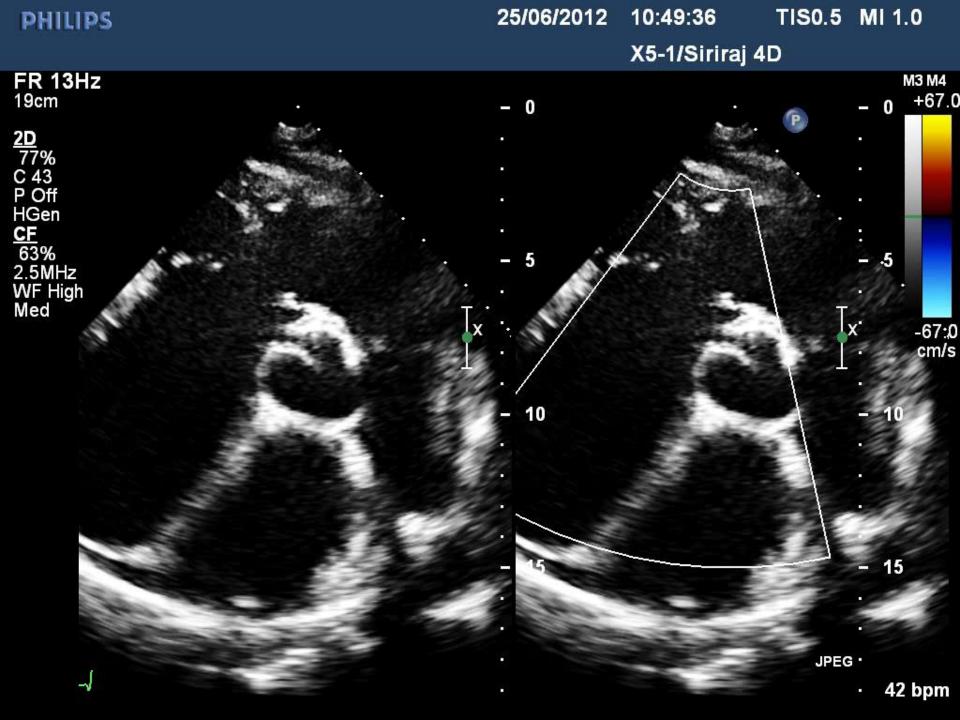




25/06/2012 10:49:16 TIS0.6 MI 1.3 **PHILIPS** X5-1/Siriraj 4D FR 50Hz 19cm МЗ 2D 67% C 43 P Off HGen 0 10 **©** 3.2 15

JPEG





25/06/2012 11:04:12 TIS0.4 MI 0.9

X5-1/Siriraj 4D

FR 86Hz 11cm

<u>2D</u> 61% C 42 P Off HPen

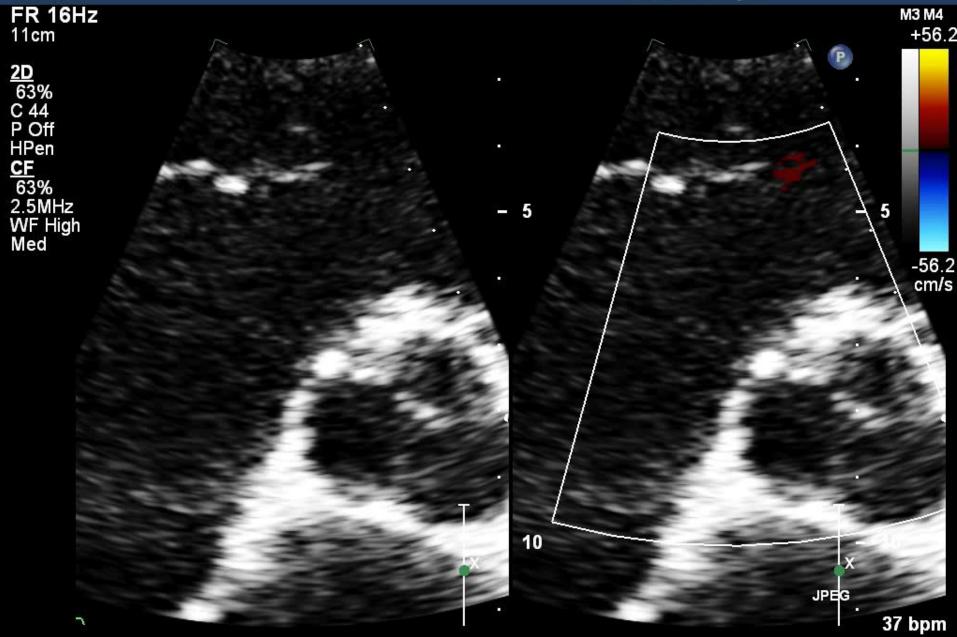


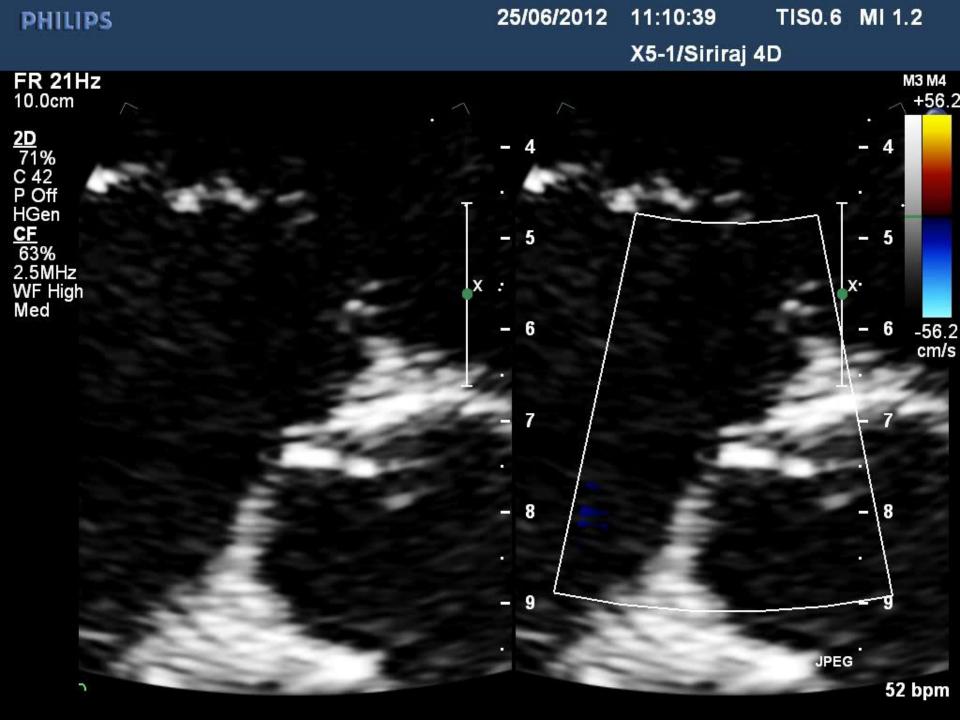


11:03:04 TIS0.5 MI 0.9 25/06/2012 **PHILIPS** X5-1/Siriraj 4D FR 13Hz 14cm M3 M4 +56.2 <u>2D</u> 58% C 54 P Off HPen 0 CF 63% 2.5MHz WF High Med -56.2 cm/s G 2.8 **JPEG** 55 bpm

25/06/2012 11:03:58 TIS0.5 MI 0.9

X5-1/Siriraj 4D

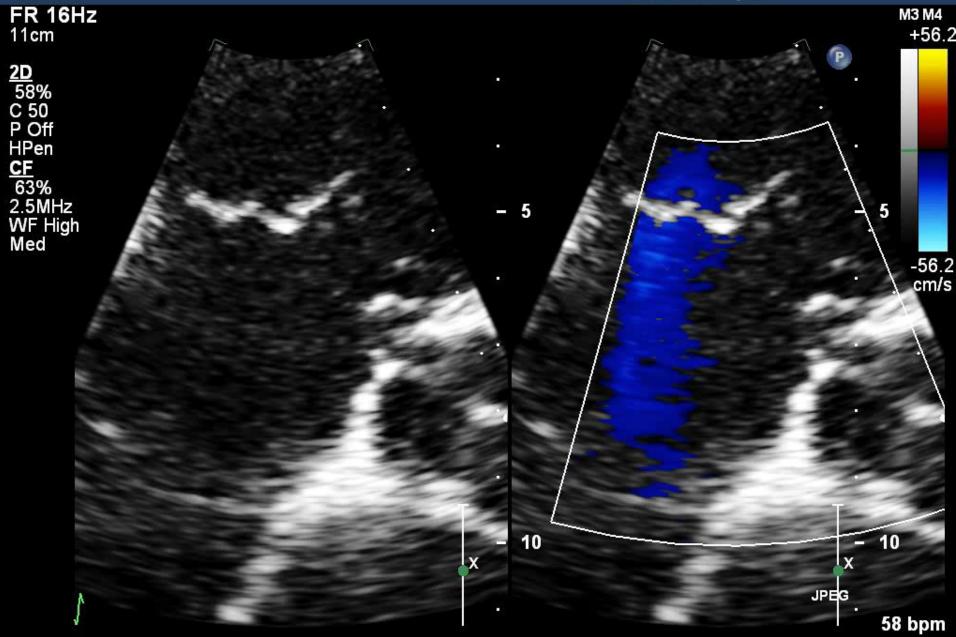






25/06/2012 11:03:30 TIS0.5 MI 0.9

X5-1/Siriraj 4D

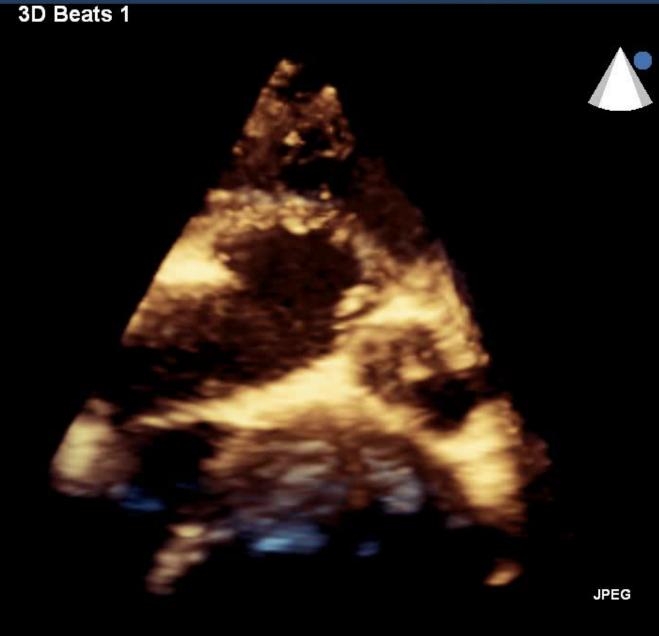


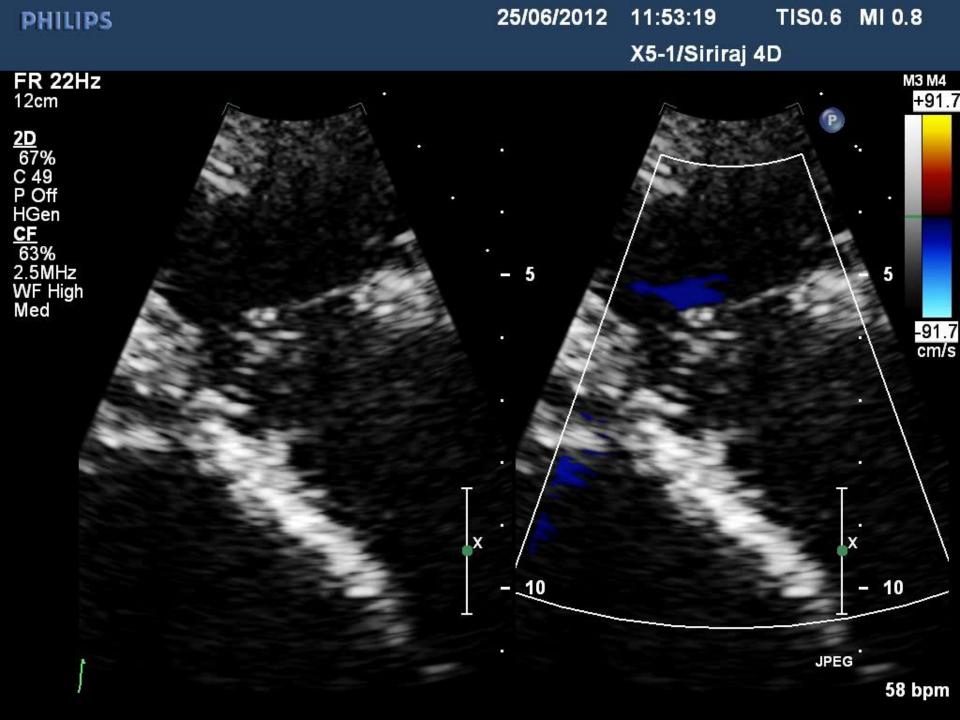
МЗ

X5-1/Siriraj 4D

FR 18Hz 14cm

3D 3D 50% 3D 60dB



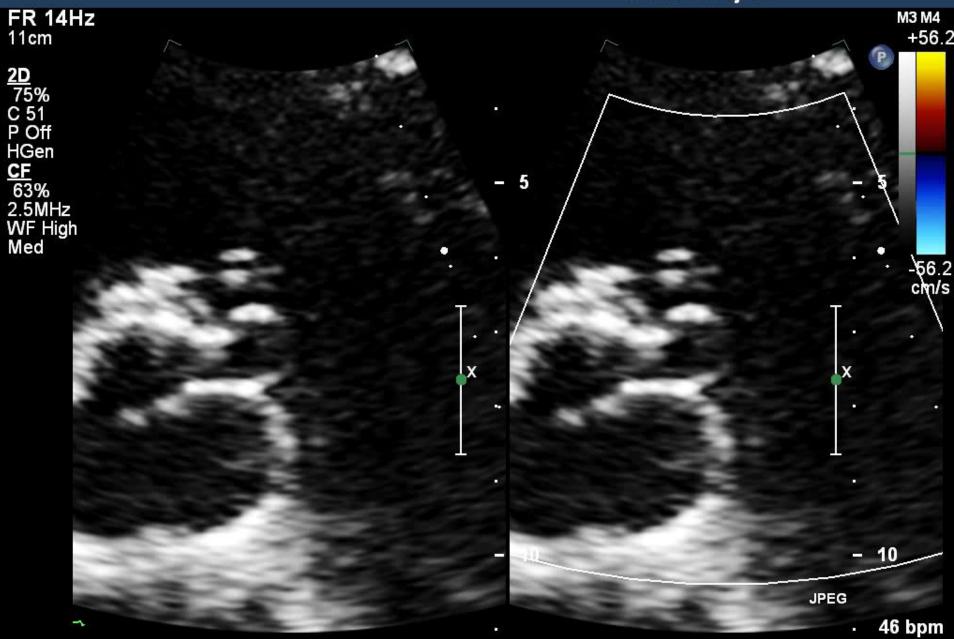


25/06/2012 11:48:52 TIS0.4 MI 0.9 **PHILIPS** X5-1/Siriraj 4D FR 50Hz 16cm МЗ <u>2D</u> 67% C 51 P Off HGen 0 **©** - 10 3.2 15 **JPEG** 48 bpm



25/06/2012 11:19:55 TIS0.6 MI 1.0

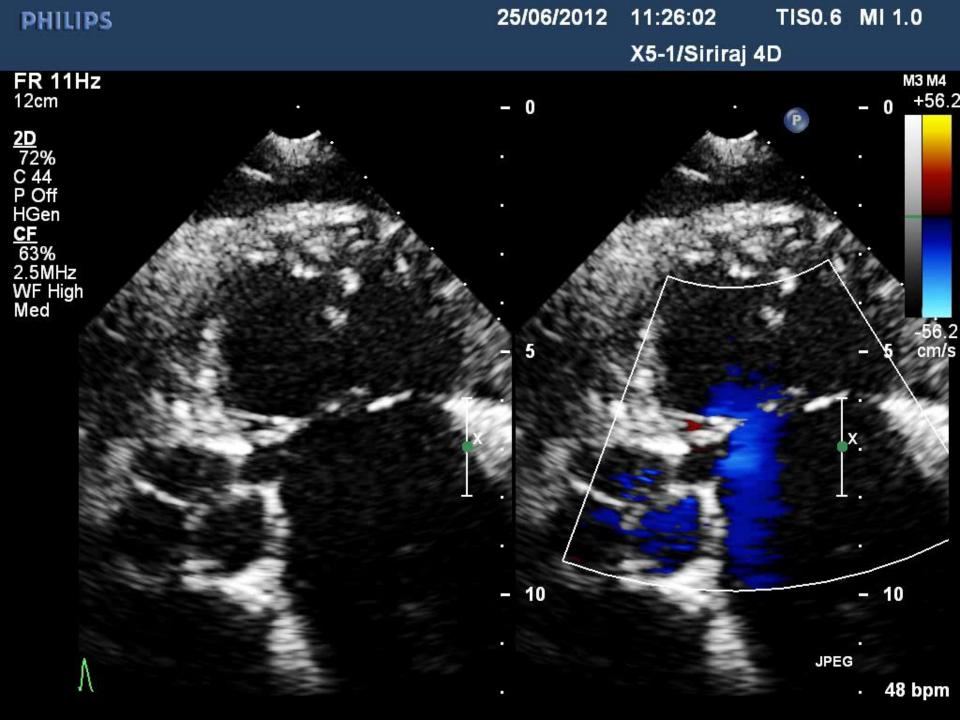
X5-1/Siriraj 4D



25/06/2012 11:20:19 TIS0.6 MI 1.0 **PHILIPS** X5-1/Siriraj 4D FR 14Hz 11cm M3 M4 +56.2 2D 75% C 51 P Off HGen CF 63% 2.5MHz WF High Med -56.2 cm/s

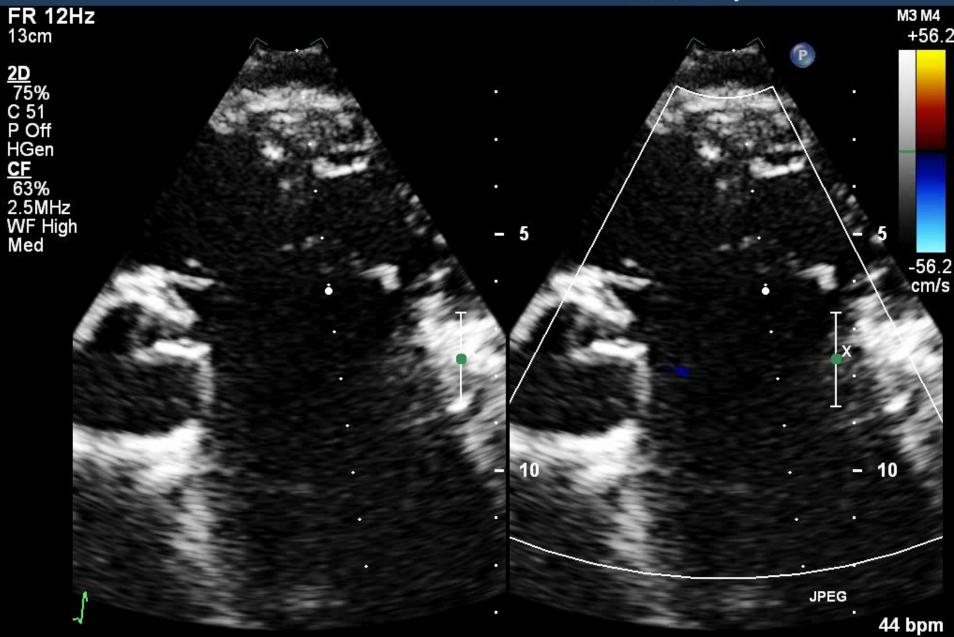
JPEG

52 bpm



25/06/2012 11:19:39 TIS0.6 MI 1.0

X5-1/Siriraj 4D



11:26:08 TIS0.6 MI 1.0 25/06/2012 **PHILIPS** X5-1/Siriraj 4D FR 12Hz 11cm M3 M4 +56.2 2D 72% C 44 P Off HGen CF 63% 2.5MHz WF High Med -56\2 cm/s 10

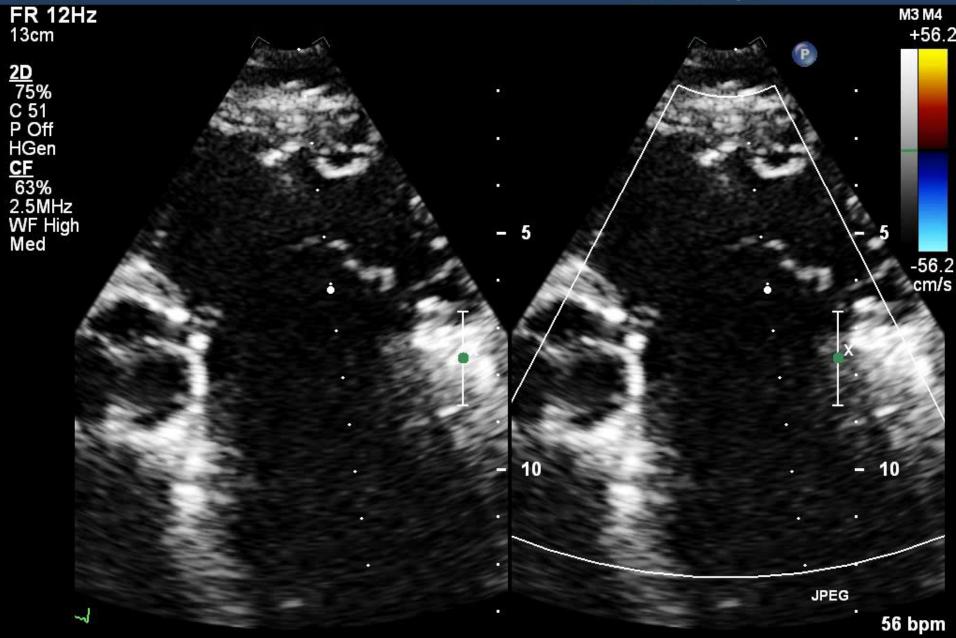
- 10

JPEG

47 bpm

25/06/2012 11:19:31 TIS0.6 MI 1.0

X5-1/Siriraj 4D



25/06/2012 11:26:53 TIS0.6 MI 1.3 **PHILIPS** X5-1/Siriraj 4D FR 50Hz 18cm МЗ <u>2D</u> 81% C 44 P Off HGen 0 10 **©** 3.2 15 JPEG 62 bpm

11:05:35 25/06/2012

TIS0.6 MI 1.3

МЗ

X5-1/Siriraj 4D

FR 10Hz 10cm

3D 3D 20% 3D 60dB

3D Beats 1

Anterior

Posterior

JPEG

11:05:35 TIS0.6 MI 1.3 25/06/2012 PHILIPS X5-1/Siriraj 4D FR 10Hz 10cm 3D Beats 1 МЗ 3D 3D 48% 3D 60dB RV view **JPEG** 55 bpm

25/06/2012 11:08:46 TIS0.6 MI 1.3

X5-1/Siriraj 4D

FR 6Hz 14cm

3D 3D 50% 3D 60dB

3D Beats 1

МЗ



RA view

JPEG

43 bpm

11:06:06 TIS0.6 MI 1.3 25/06/2012 PHILIPS X5-1/Siriraj 4D FR 10Hz 10cm 3D Beats 1 МЗ 3D 3D 19% 3D 56dB **Posterior** Anterior



Transesophageal Echocardiogram

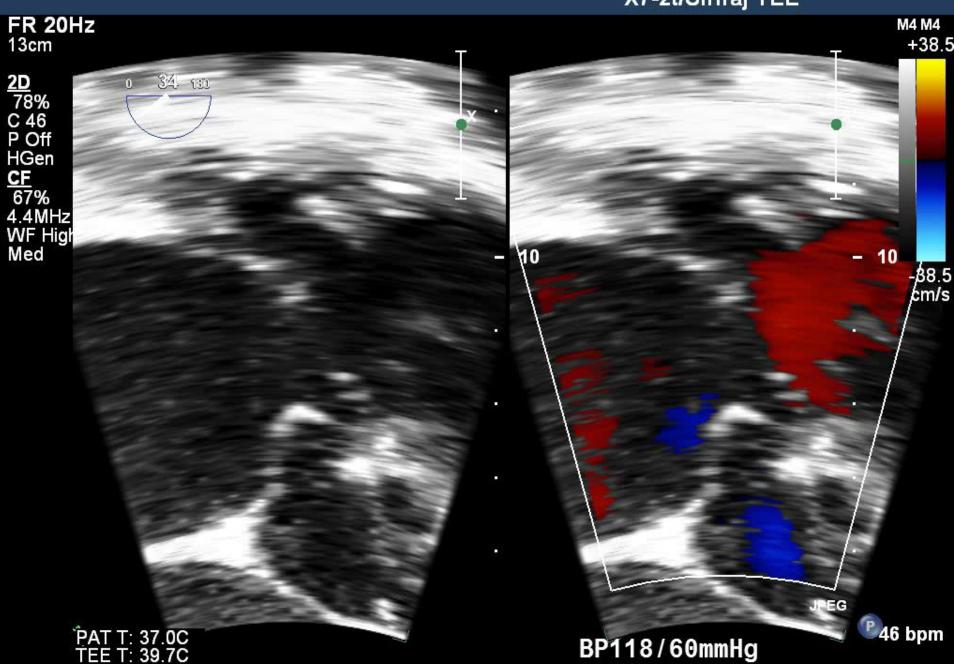
26/06/2012 11:09:34

TIS0.2 MI 0.5

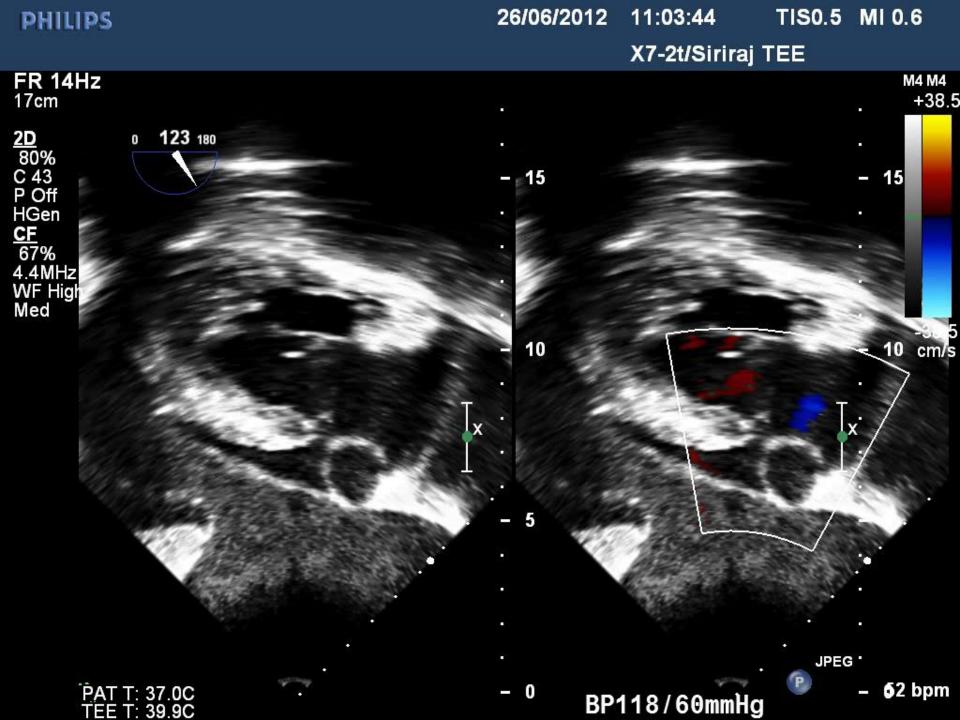


26/06/2012 10:53:44 TIS0.5 MI 0.6

X7-2t/Siriraj TEE

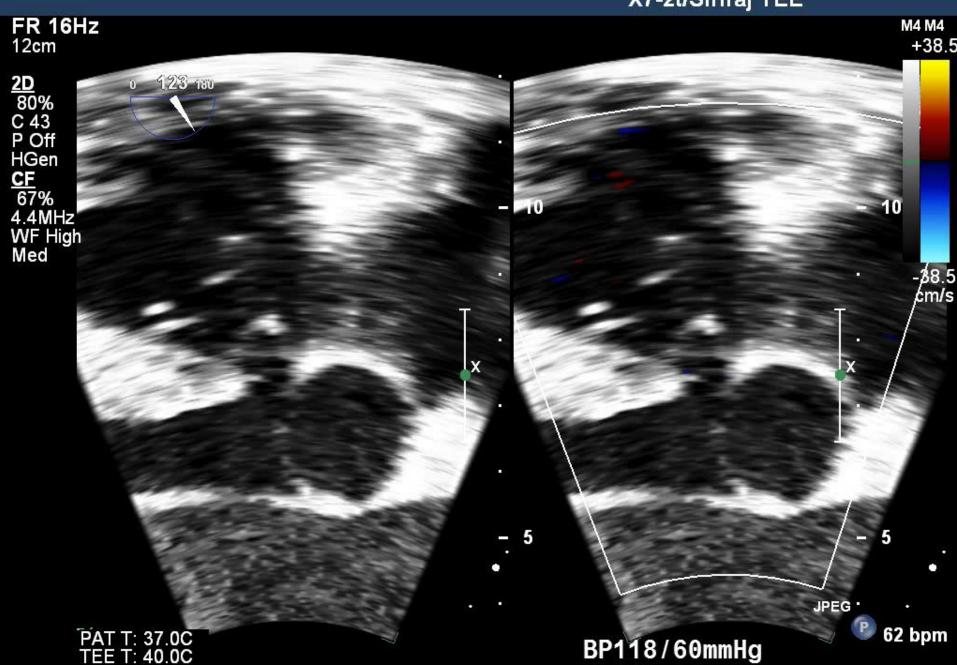


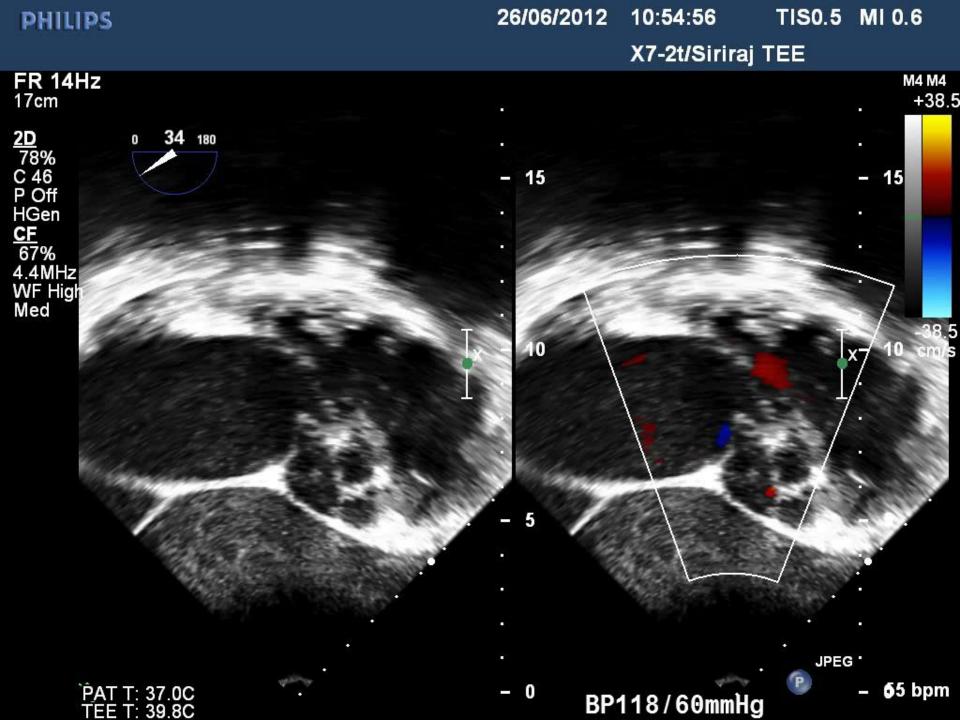
26/06/2012 11:33:32 TIS0.2 MI 0.5 PHILIPS X7-2t/Siriraj TEE FR 26Hz 13cm M4 80 xPlane 79% 79% 40dB P Off HGen **© JPEG** 56 bpm PAT T: 37.0C TEE T: 39.6C BP118/60mmHg



26/06/2012 TIS0.5 MI 0.6 11:03:55

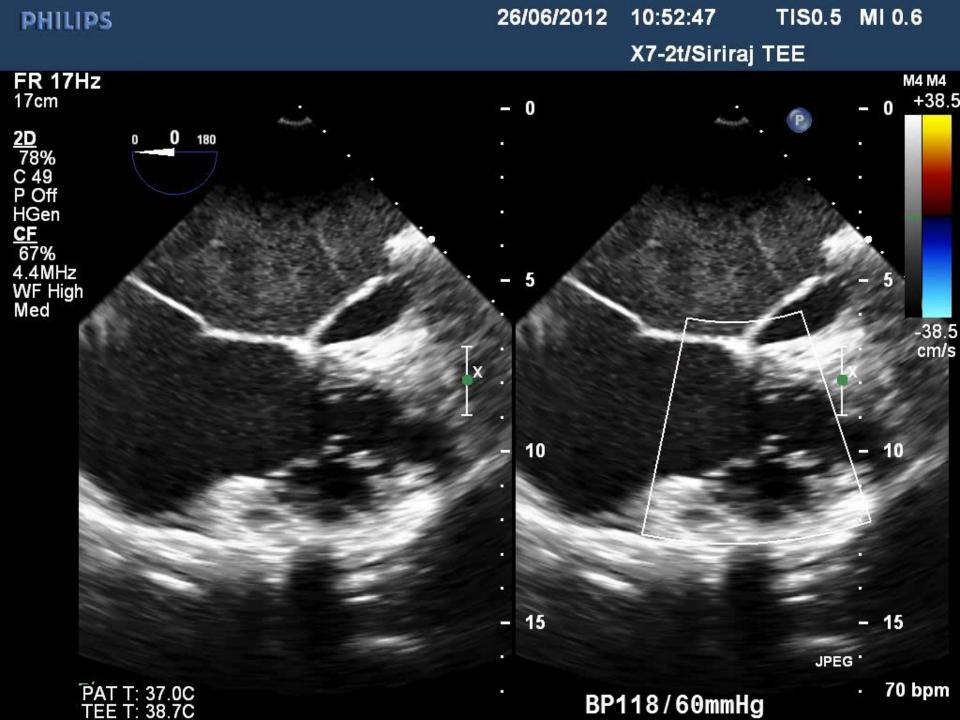
X7-2t/Siriraj TEE





26/06/2012 11:09:17 TIS0.5 MI 0.6 **PHILIPS** X7-2t/Siriraj TEE FR 16Hz 14cm M4 M4 +38.5 2D 78% C 37 P Off HGen CF 67% 4.4MHz WF High Med 0 39 180 -38.5 cm/s JPEG . PAT T: 37.0C TEE T: 39.6C **6**3 bpm BP118/60mmHg

TIS0.5 MI 0.7 26/06/2012 11:14:04 **PHILIPS** X7-2t/Siriraj TEE **FR 11Hz** 11cm M4 M4 +38.5 40 xPlane 78% 78% 49dB P Off HGen CF 67% 4.4MHz WF High Med -38.5 cm/s **(G) JPEG** 47 bpm PAT T: 37.0C TEE T: 39.6C BP118/60mmHg



26/06/2012 11:06:50

TIS0.2 MI 0.3

X7-2t/Siriraj TEE

FR 6Hz 9.2cm 3D Beats 1 M4 0 125 180 3D 0% 3D 0dB **JPEG**

PAT T: 37.0C TEE T: 39.2C BP118/60mmHg 54 bpm

26/06/2012 11:06:50

TIS0.2 MI 0.3

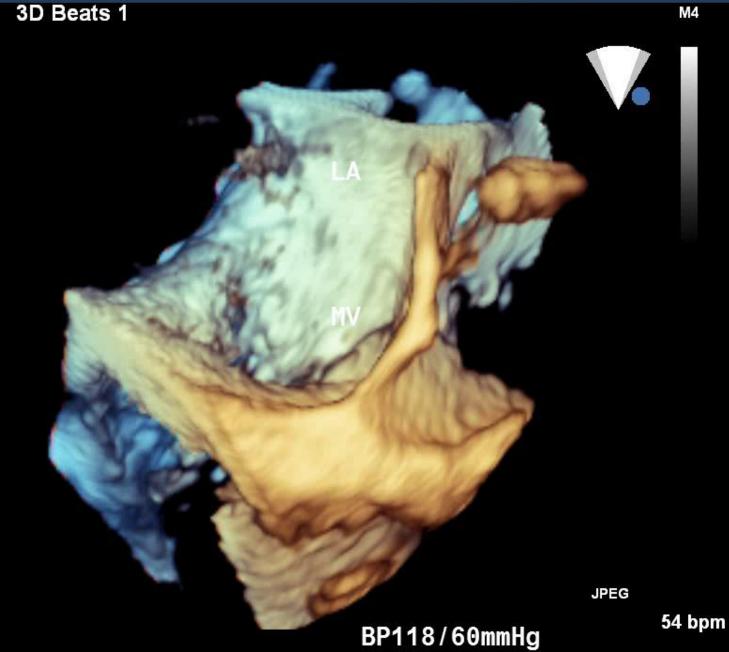
X7-2t/Siriraj TEE

FR 6Hz 9.2cm

3D 0% 3D 0dB



AT T: 37.0C EE T: 39.2C



26/06/2012 11:06:40

TIS0.2 MI 0.3

X7-2t/Siriraj TEE



PAT T: 37.0C TEE T: 39.2C

BP118/60mmHg







26/06/2012 11:00:45

TIS0.2 MI 0.3

X7-2t/Siriraj TEE

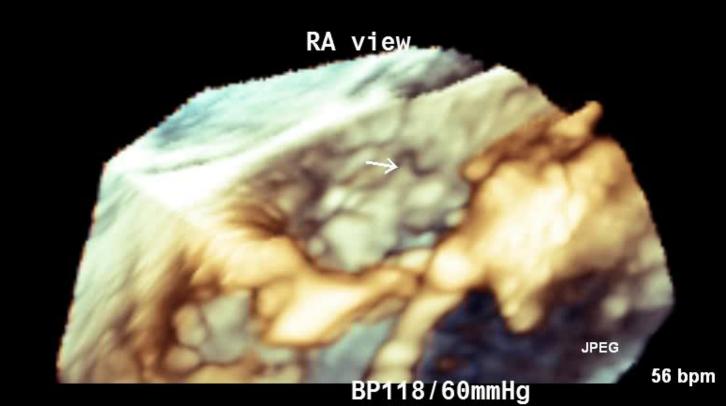
FR 10Hz 11cm

<u>3D</u> 3D 24% 3D 16dB



3D Beats 1





PAT T: 37.0C TEE T: 39.4C

26/06/2012 11:00:45 TIS0.2 MI 0.3

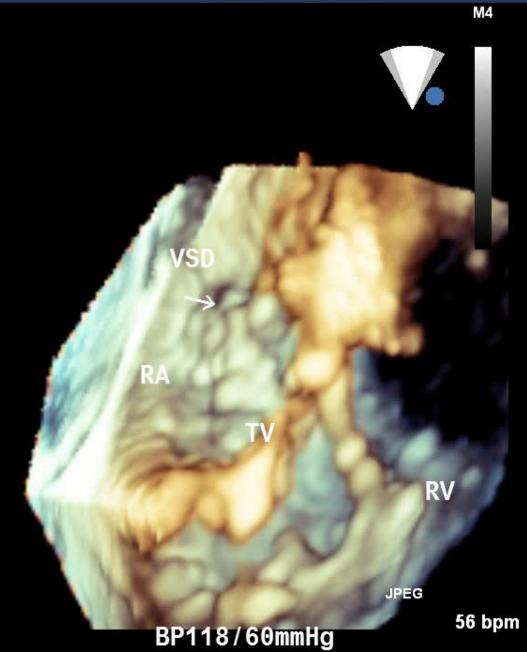
X7-2t/Siriraj TEE

FR 10Hz 11cm

3D 3D 12% 3D 19dB



3D Beats 1



PAT T: 37.0C EE T: 39.4C

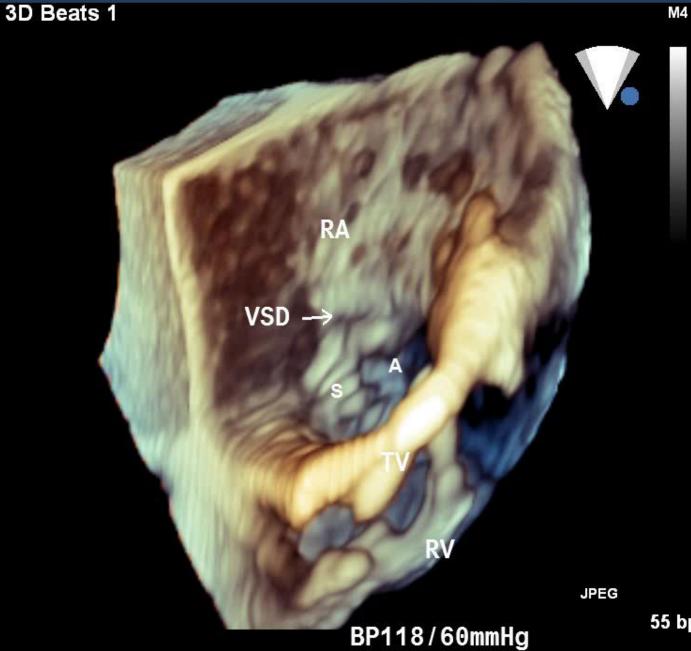
26/06/2012 11:41:14 TIS0.2 MI 0.3

X7-2t/Siriraj TEE

FR 12Hz 11cm

3D 3D 11% 3D 0dB





AT T: 37.0C EE T: 39.0C

26/06/2012 TIS0.2 MI 0.3 11:10:25 PHILIPS X7-2t/Siriraj TEE **FR 16Hz** 12cm 3D Beats 1 M4 3D 3D 10% 3D 0dB 40 180 RA view VSD RA **JPEG** 51 bpm PAT T: 37.0C TEE T: 39.2C BP118/60mmHg



26/06/2012 11:29:02

TIS0.2 MI 0.3

M4

X7-2t/Siriraj TEE

FR 17Hz 11cm

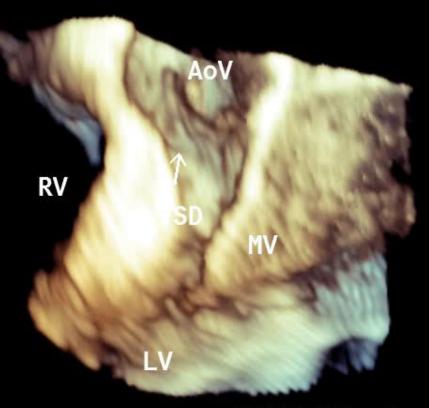
1cm

3D 0% 3D 0dB









JPEG

61 bpm

PAT T: 37.0C TEE T: 39.1C

BP118/60mmHg

26/06/2012 11:00:45 TIS0.2 MI 0.3 PHILIPS X7-2t/Siriraj TEE FR 10Hz 11cm 3D Beats 1 M4 3D 0% 3D 0dB 35 180 **JPEG** PAT T: 37.0C TEE T: 39.4C 56 bpm BP118/60mmHg





26/06/2012 11:41:38

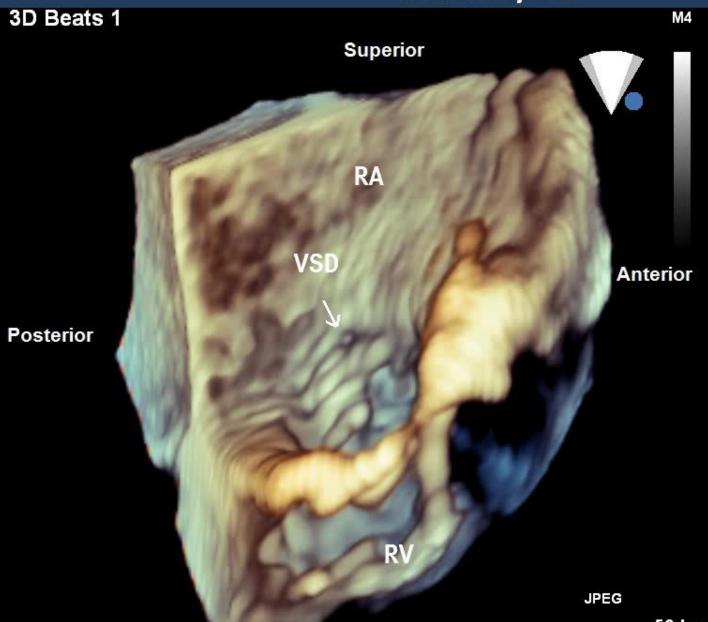
TIS0.2 MI 0.3

X7-2t/Siriraj TEE

FR 12Hz 11cm

3D 6% 3D 0dB





PAT T: 37.0C TEE T: 39.0C

26/06/2012 11:29:02 TIS0.2 MI 0.3 PHILIPS X7-2t/Siriraj TEE **FR 17Hz** 11cm 3D Beats 1 M4 3D 3D 1% 3D 0dB 0 115 180 **Anterior Posterior VSD** RA RV

PAT T: 37.0C TEE T: 39.1C

BP118/60mmHg

61 bpm

JPEG



26/06/2012 11:00:45

TIS0.2 MI 0.3

X7-2t/Siriraj TEE

FR 10Hz 11cm

3D Beats 1

M4









JPEG

26/06/2012

10:55:48

TIS0.2 MI 0.3

M4

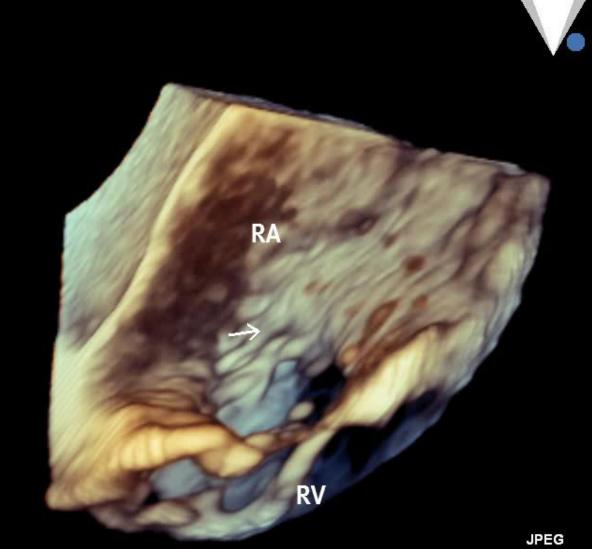
X7-2t/Siriraj TEE

FR 10Hz 11cm

3D 0% 3D 0dB

3D Beats 1

SAME OF SEPTEMBERS OF SEPTEMBERS OF



RA view

PAT T: 37.0C TEE T: 39.3C 18/60mmHg 57 bpm

BP118/60mmHg