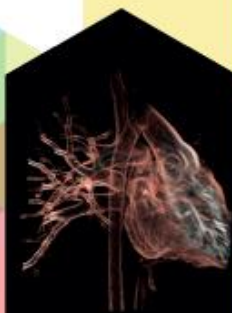


VI CORSO GUCH

Il paziente adulto con cardiopatia congenita

TORINO
03 DICEMBRE 2022

NH TORINO CENTRO



DIA nell'adulto: è solo una questione di shunt?

Francesca Giordana

SC Cardiologia

ASO S: Croce e Carle

Cuneo

M. Vincenzo

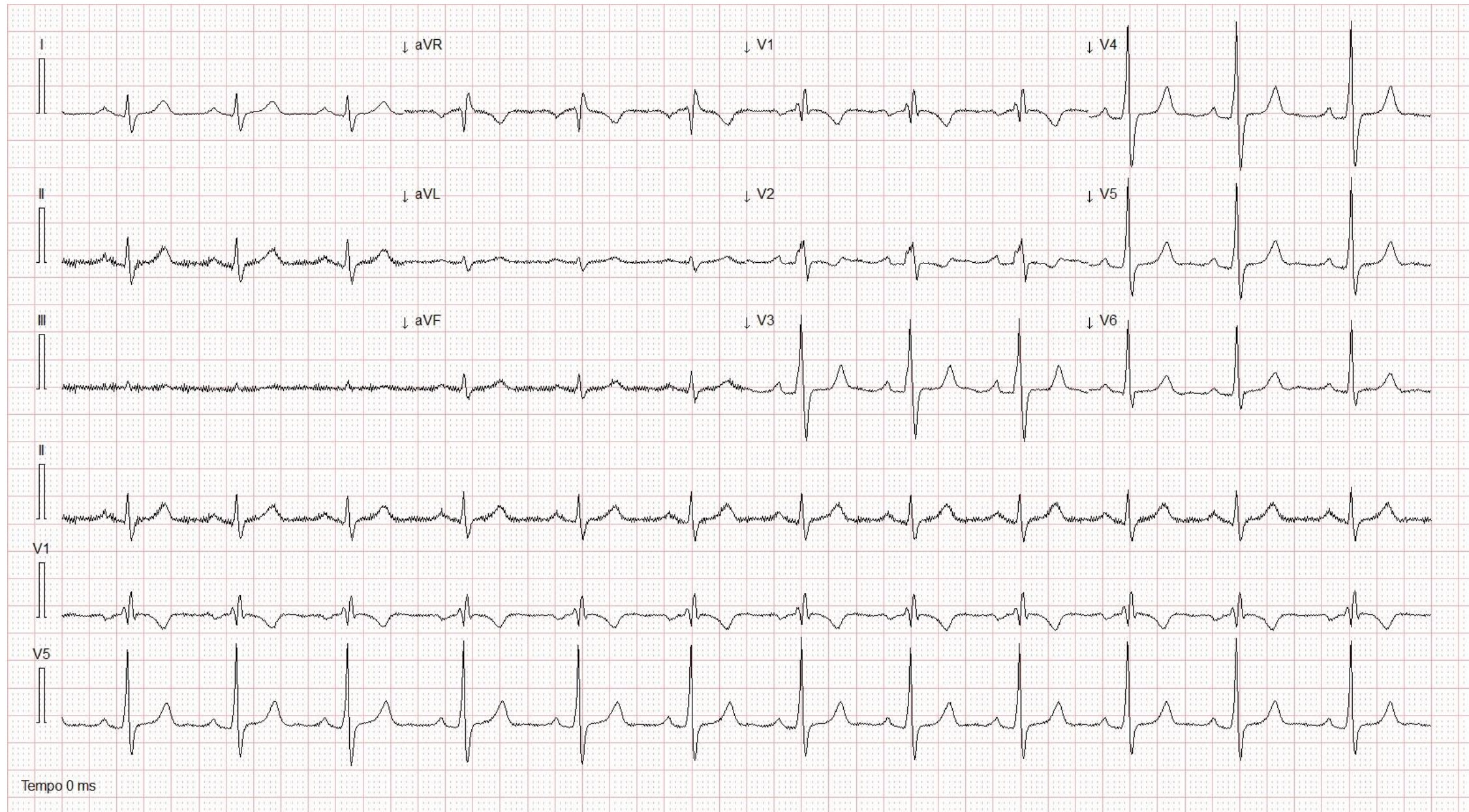
59 aa

Fumatore attivo, dislipidemico

Lavora come operaio nel carcere dove è detenuto

16 novembre 2021 accesso in DEA a Savigliano per algie alla spalla sinistra

ECG



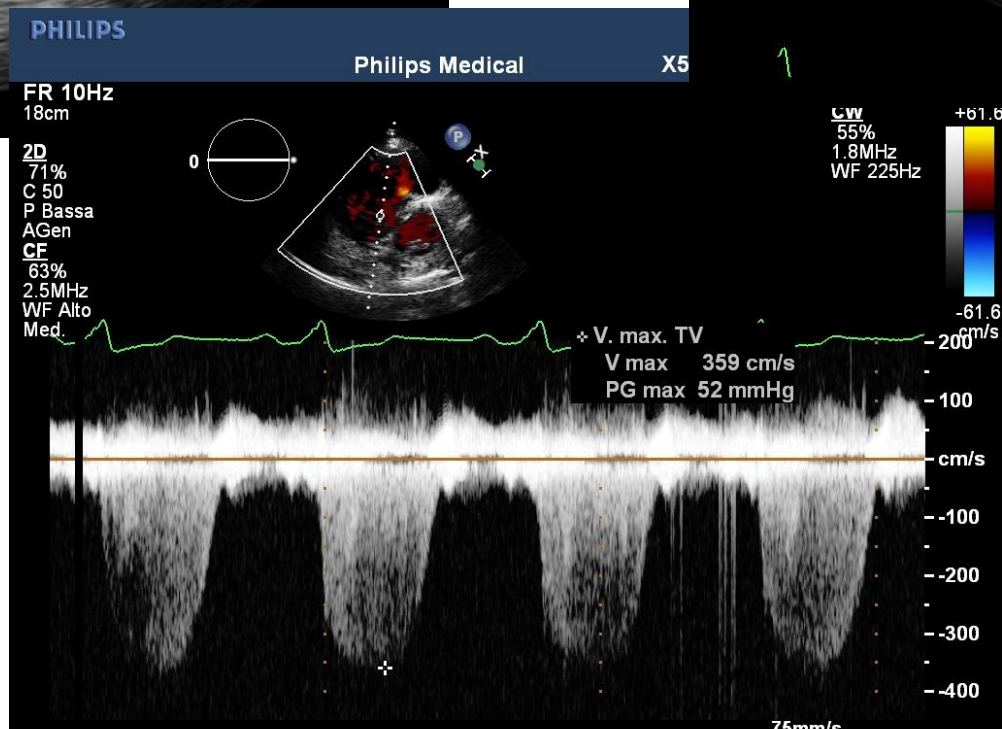
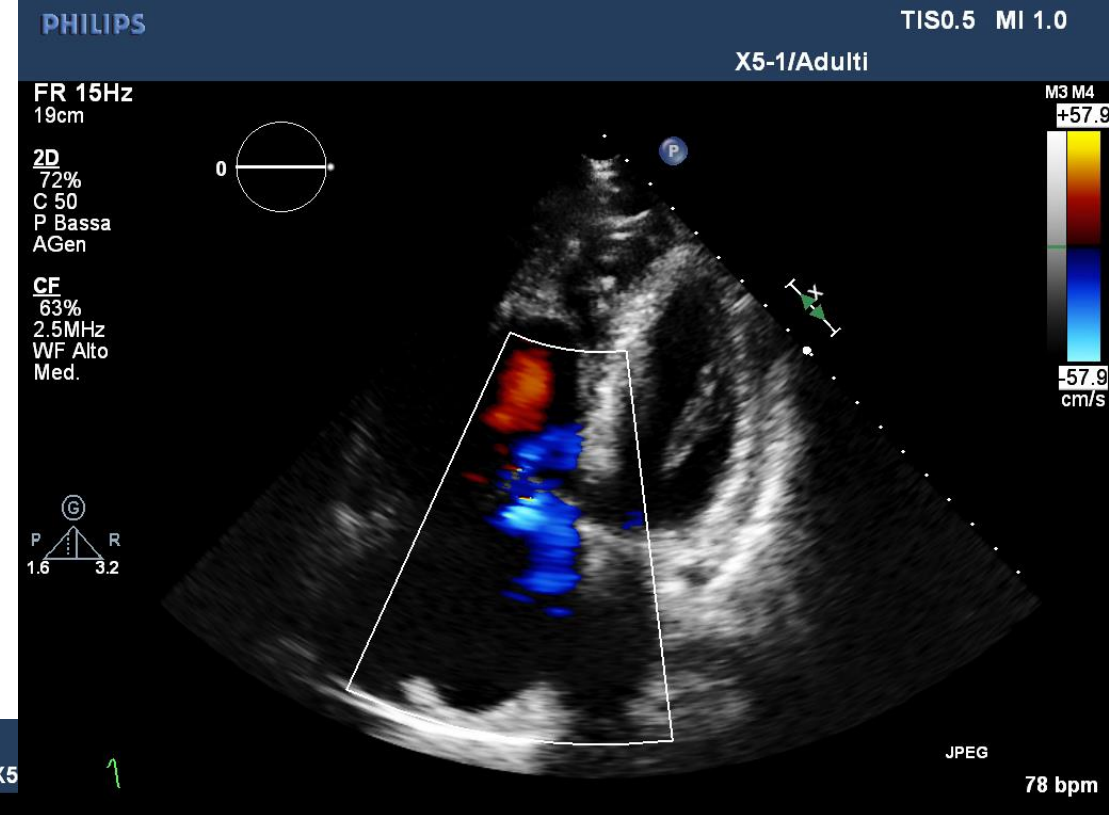
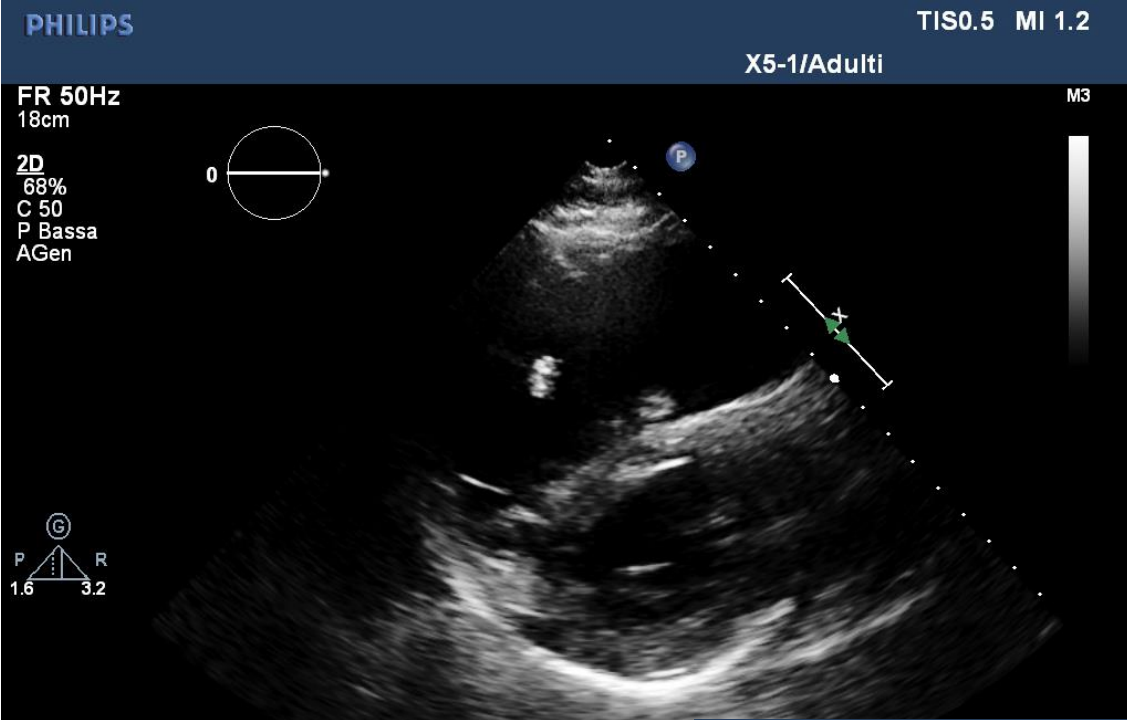
TAC TORACE + mdc

«aumento delle dimensioni delle cavità destre con segni di ipertensione polmonare»

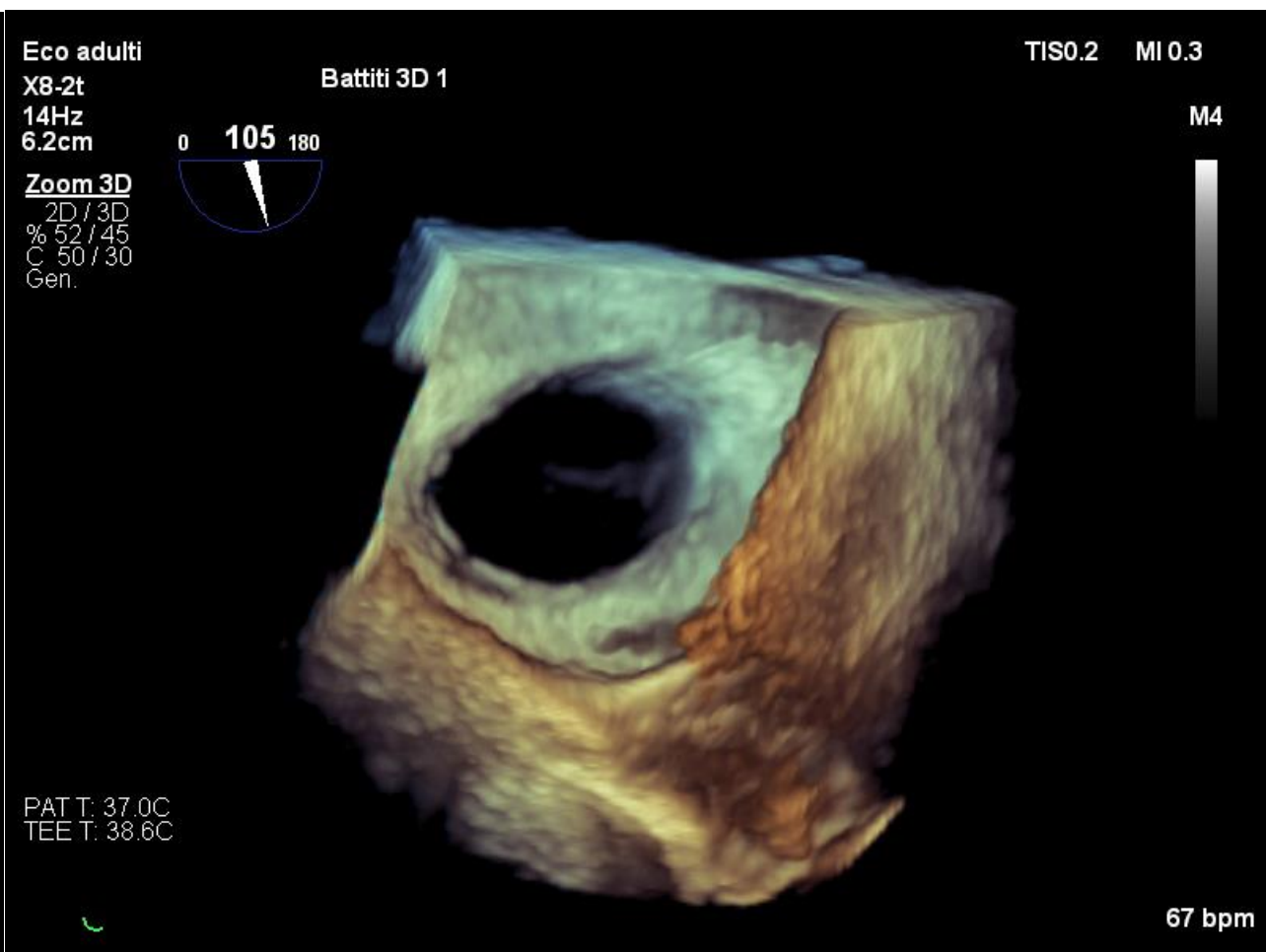
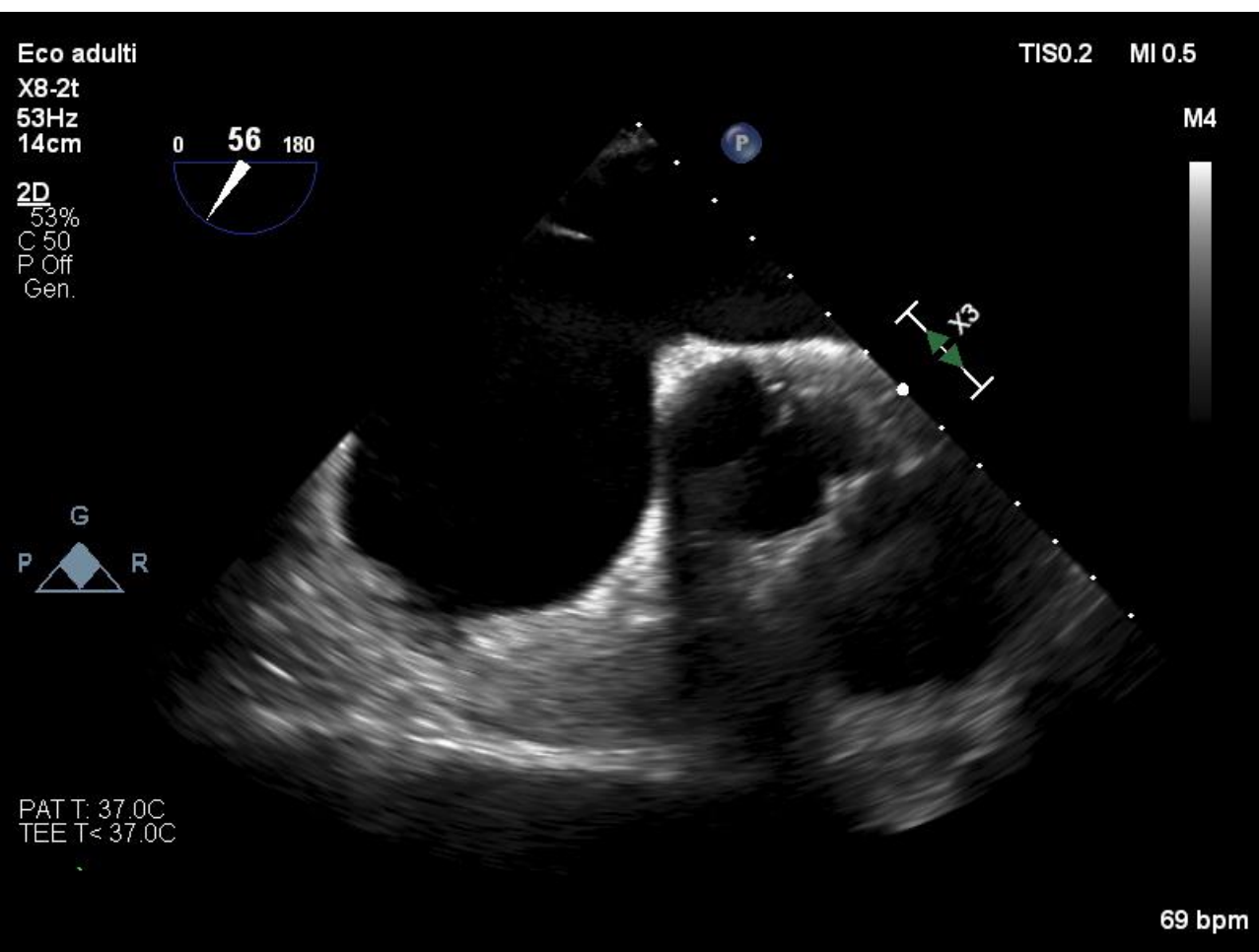
Ecocardiogramma TT:

«Ventricolo sinistro con dimensioni e spessori regolari e movimento paradossale del setto in presenza di funzione sistolica nella norma. Atrio sinistro lievemente dilatato con insufficienza mitralica associata lieve e valvola polmonare dilatata con lieve insufficienza. Evidenza di **ampio difetto del setto interatriale di tipo Ostium secundum e shunt sinistro destro significativo con segni indiretti di severa ipertensione polmonare Paps 80 mmHg in presenza di insufficienza tricuspidalica lieve moderata.**»





ECO TE 02/2022



Eco adulti

X8-2t

53Hz

16cm

2D

54%

C 50

P Off

Gen.

TISO.2 MI 0.9

M4



PAT T: 37.0C
TEE T: 39.1C

65 bpm

Eco adulti

X8-2t

20Hz

11cm

2D

49%

C 50

P Off

Gen.

CF

48%

7082Hz

WF 637Hz

4.4MHz

CW

40%

WF 225Hz

2.5MHz

TISO.3 MI 0.0

M4 M4

+61.4

✦ Vel 422 cm/s
PG 71 mmHg

-61.4

-5.0 m/s

-4.0

-3.0

-2.0

-1.0

-1.0

-1.0

-1.0

-1.0

-1.0

-1.0

-1.0

-1.0

-1.0

-1.0

-1.0

-1.0

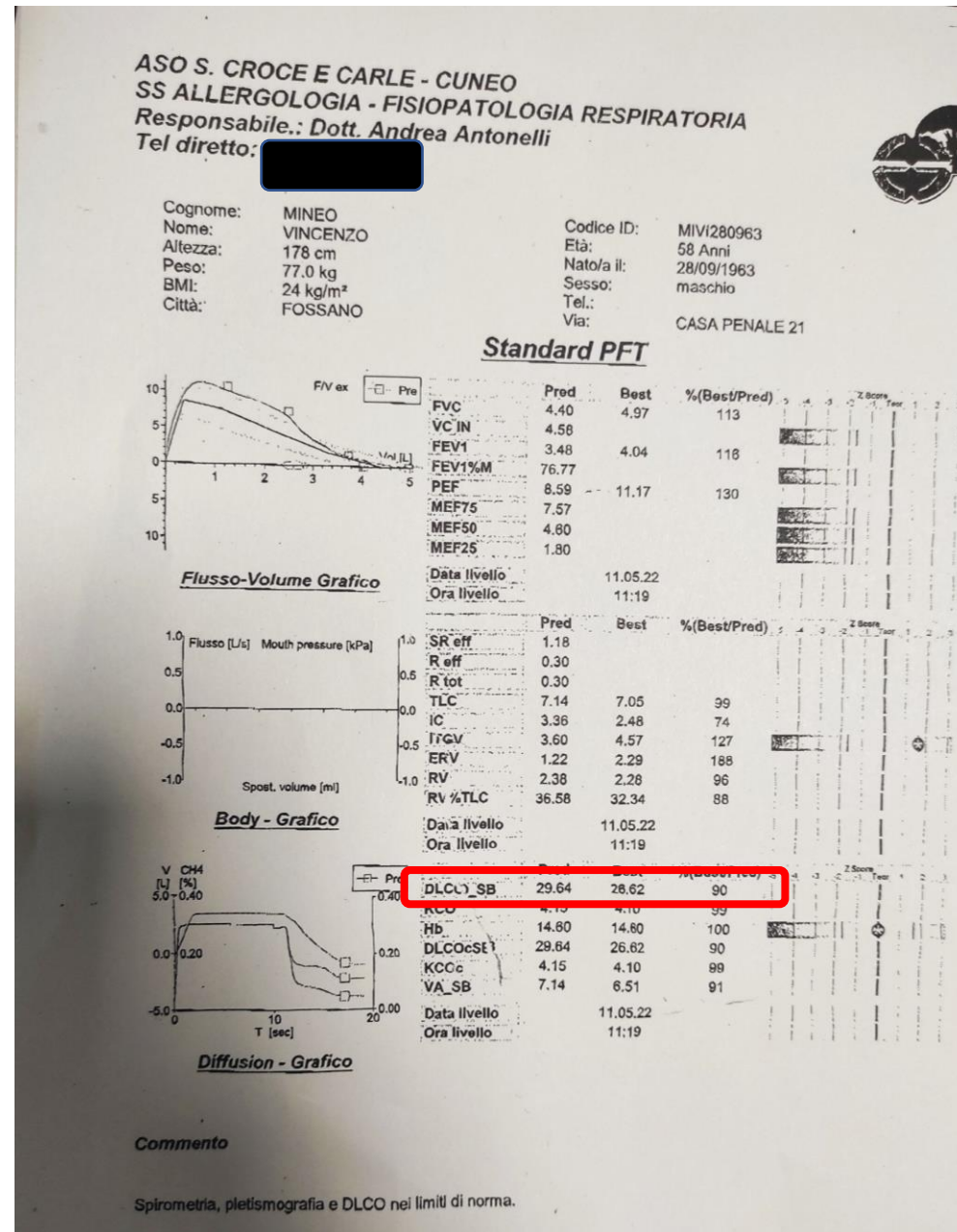
PAT T: 37.0C
Temp. TEE: 39.0C

75mm/s

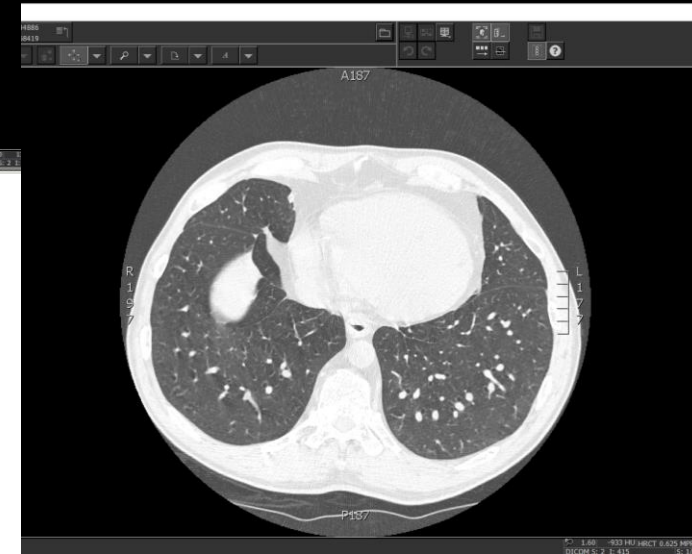
65bpm

Ricovero

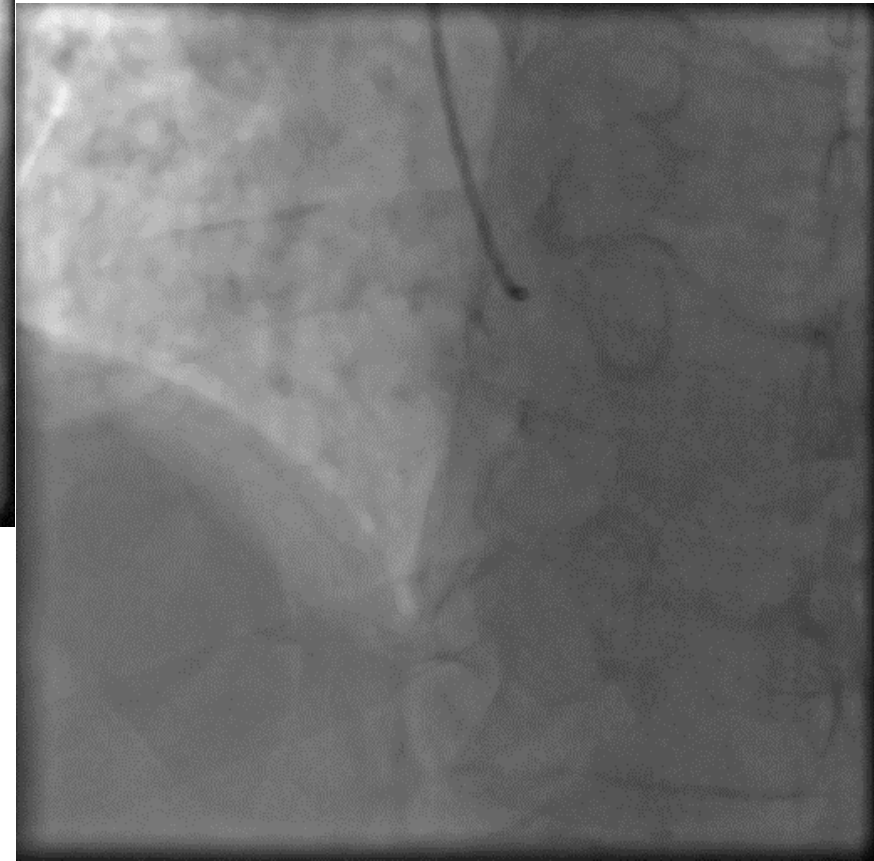
09/05/2022 - SPIROMETRIA



HRTC



CORONAROGRAFIA

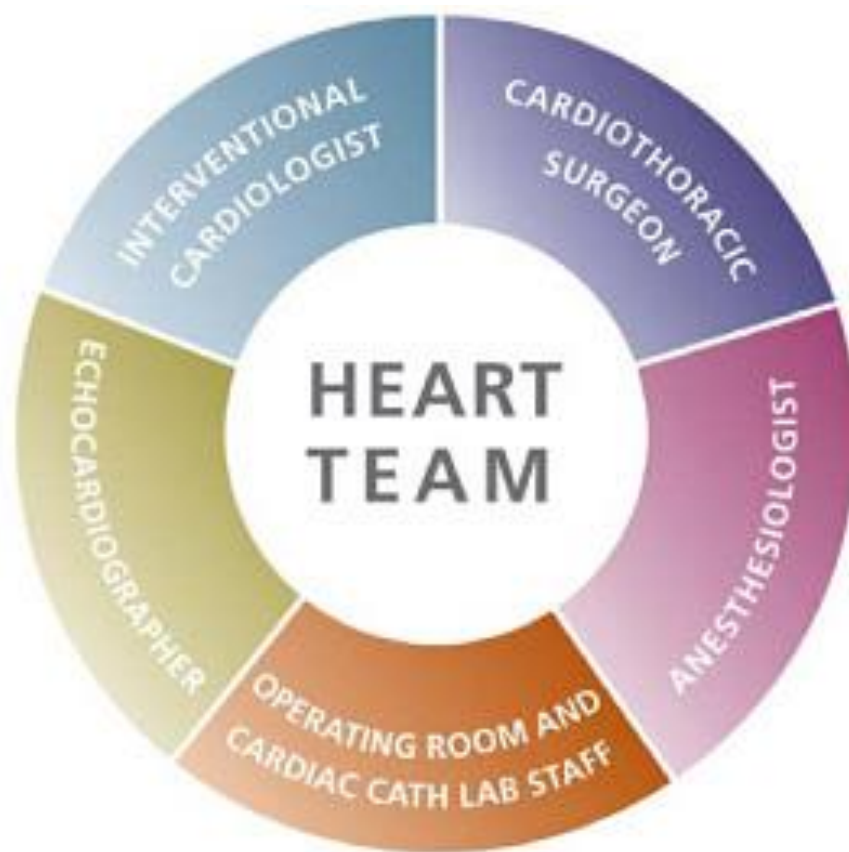


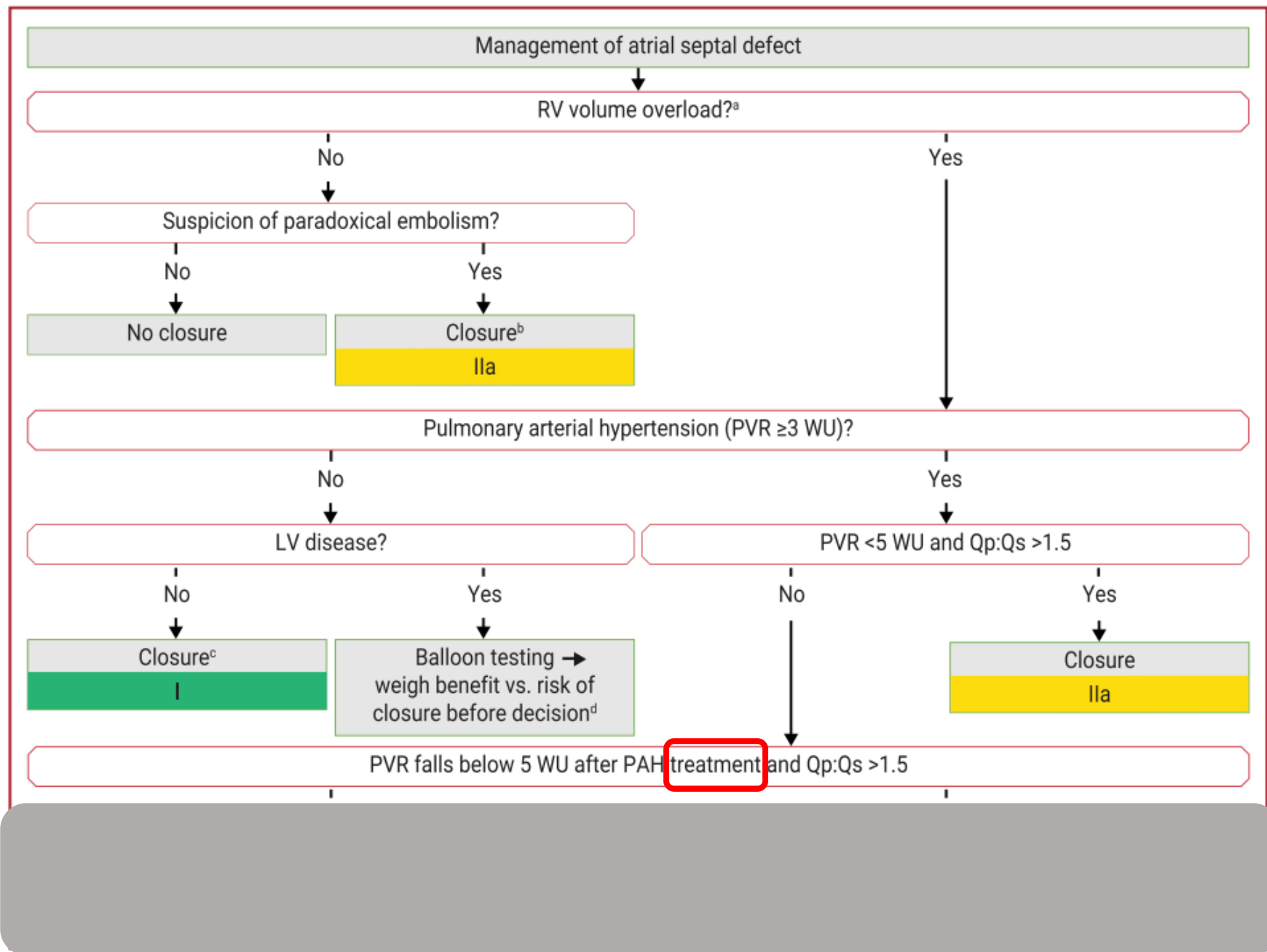
FFR NEGATIVA

Cateterismo destro 09/05/2022

Ao	105/64/81
PA	67/28/43
PCW	13
RV	67/6/18
RAP	12
GC Fick	4,27 l/min
CI Fick	2,15 l/min/mq
PVR	7 UW
SVR	16.7 UW
QP/QS	1,5

ntproBNP 376 pg/ml.





- Macitentan 10 mg 1 cp → sostituito con Bosentan 125 mg 1 cp x 2 per reazione allergica (eritema diffuso)
- Sildenafil 20 mg 1 cp x 3
- FU 07/2022: scarsa compliance alla terapia medica, WHO I



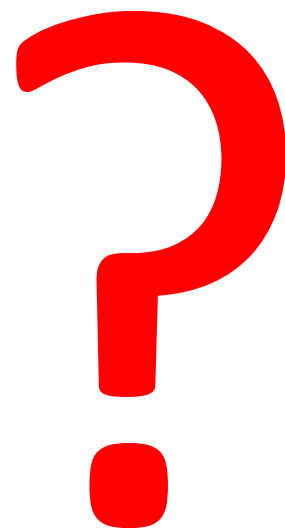
Si programma cateterismo destro dopo almeno 2-3 mesi di corretta assunzione della TM

Cateterismo destro

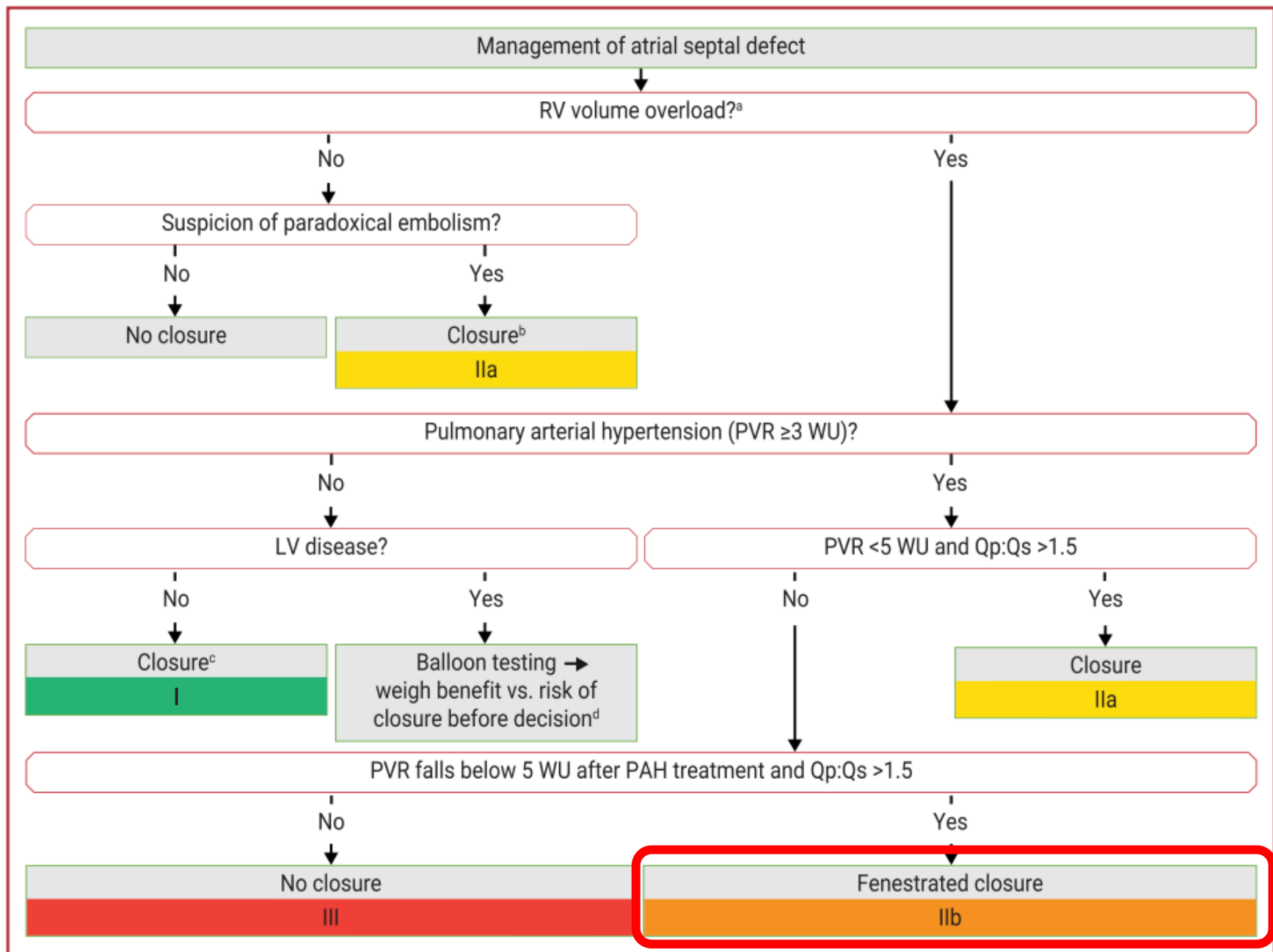
	09/05/2022	24/10/2022
Ao	105/64/81	130/70/92
PA	67/28/43	57/21/34
PCW	13	10
RV	67/6/18	57/0/16
RAP	12	8
GC Fick	4,27 l/min	5,8 l/min
CI Fick	2,15 l/min/mq	2,91 l/min/mq
PVR	7 UW	4,1 UW
SVR	16.7 UW	14.4 UW
QP/QS	1,5	2,2



PCW=11 dopo fluid
challenge 500 ml



1. Chiusura chirurgica con patch
2. Chiusura percutanea con dispositivo fenestrato
3. Terapia medica



Atrial septal defect with pulmonary hypertension: when/how can we consider closure?

Shreepal Jain¹, Bharat Dalvi²

¹Department of Pediatric Cardiology, Sir HN Reliance Foundation Hospital, Mumbai, Maharashtra, India; ²Glenmark Cardiac Center, Mumbai, Maharashtra, India

- the **most difficult** subset is the one where the **large left to right shunt** at the atrial level is associated with **severe PAH**.
- In our practice, we use a **multidimensional approach** on a case-by-case basis to decide on the operability.

STATE OF THE ART ARTICLE

Can “Inoperable” Congenital Heart Defects Become Operable in Patients with Pulmonary Arterial Hypertension? Dream or Reality?

Maurice Beghetti, MD,* Nazzareno Galiè, MD,[†] and Damien Bonnet, MD[‡]

*Pediatric Cardiology Unit, Department of the Child and Adolescent, Children's University Hospital, Geneva, Switzerland; [†]Institute of Cardiology, University of Bologna, Bologna, Italy; [‡]French Reference Center for Complex Congenital Heart Diseases, Necker Hospital, University Paris Descartes, Paris, France

Operability with a favorable outcome is considered likely if all the following criteria are met:

- A decrease of 20% in the PVR index
- A decrease of about 20% in the ratio of PVR:SVR
- A final PVR index <6 Wood units x mq
- A final ratio of PVR:SVR <0.3.

- A decrease of 20% in the PVR index

3.5 → 2 UW x m²

- A decrease of about 20% in the ratio of PVR:SVR

0.42 → 0.28

- A final PVR index < 6 Wood units x m²

2

- A final ratio of PVR:SVR < 0.3.

0.28

DOPO AVER PENSATO
MOLTO, SONO ARRIVATO
AD UNA CONFUSIONE

