

# LA DONNA GRAVIDA CON VALVULOPATIA.

Diagnosi e valutazione funzionale  
Come orientarsi praticamente

Carla Bonanomi

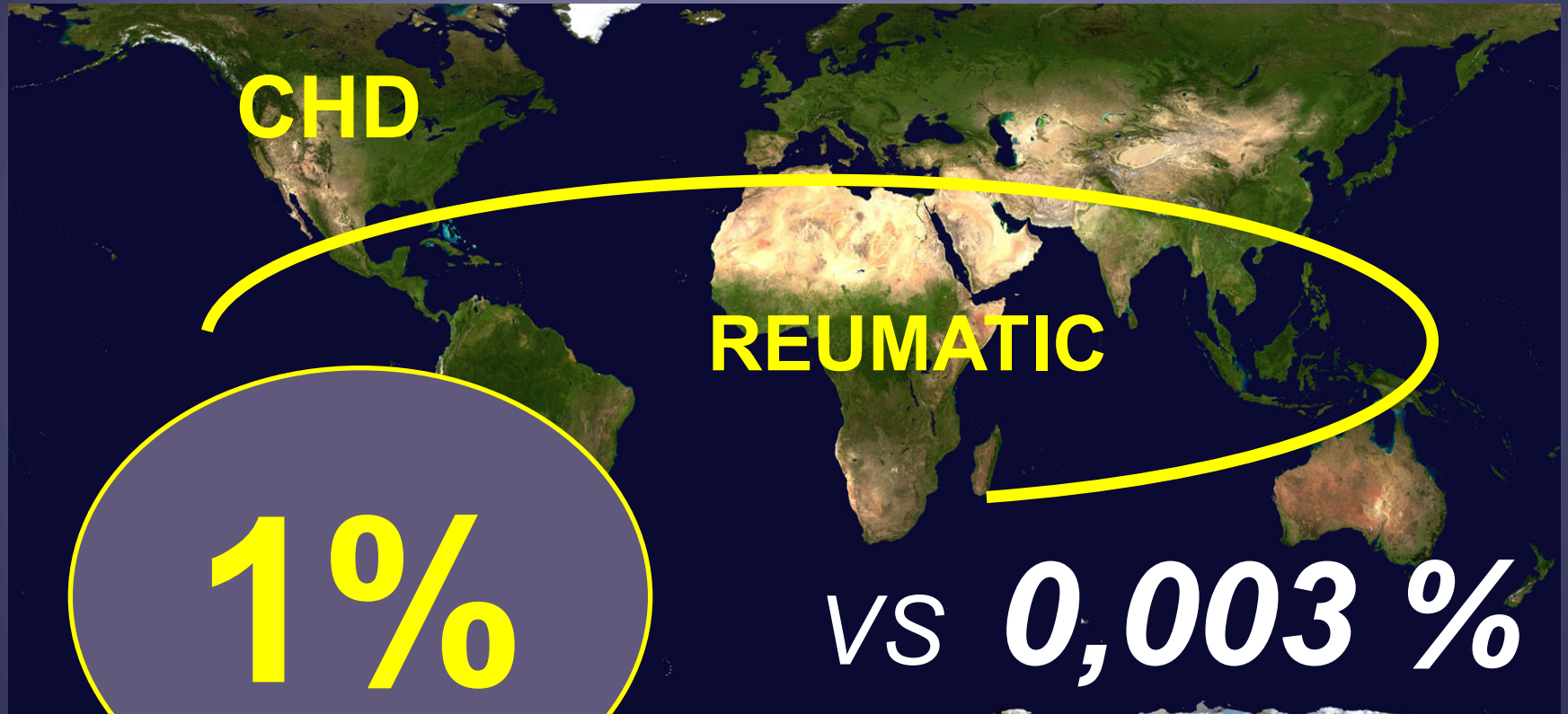
*ECOCARDIOCHIRURGIA 2016*

*21-23 marzo 2016*



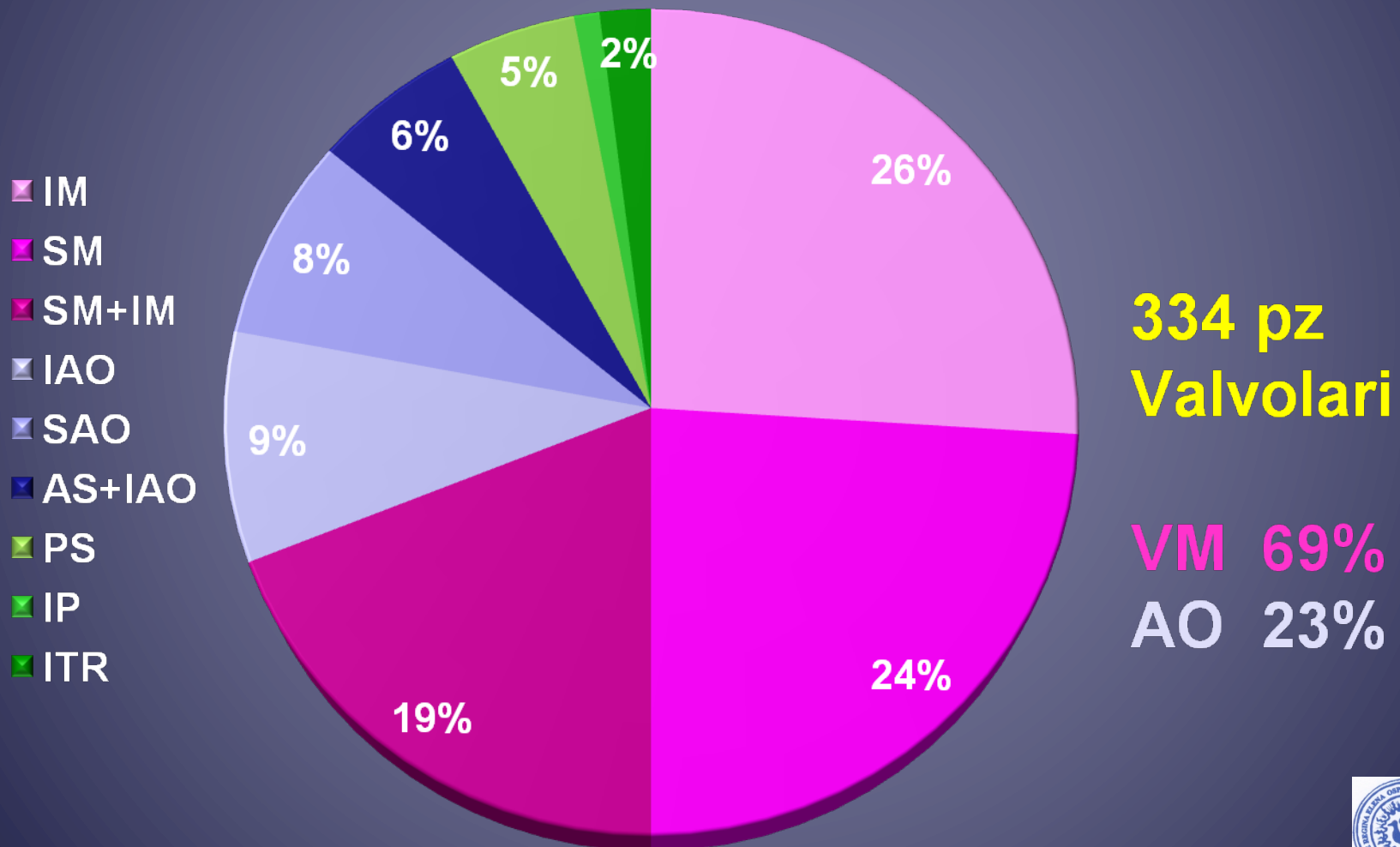
4% del TOT

VHD 25%





Outcome of pregnancy in patients with structural or ischaemic heart disease: results of a registry of the European Society of Cardiology (1321 pts) 2007-2011.



ROPAC investigators; Eur Heart J, sept 2012



# Complicanze

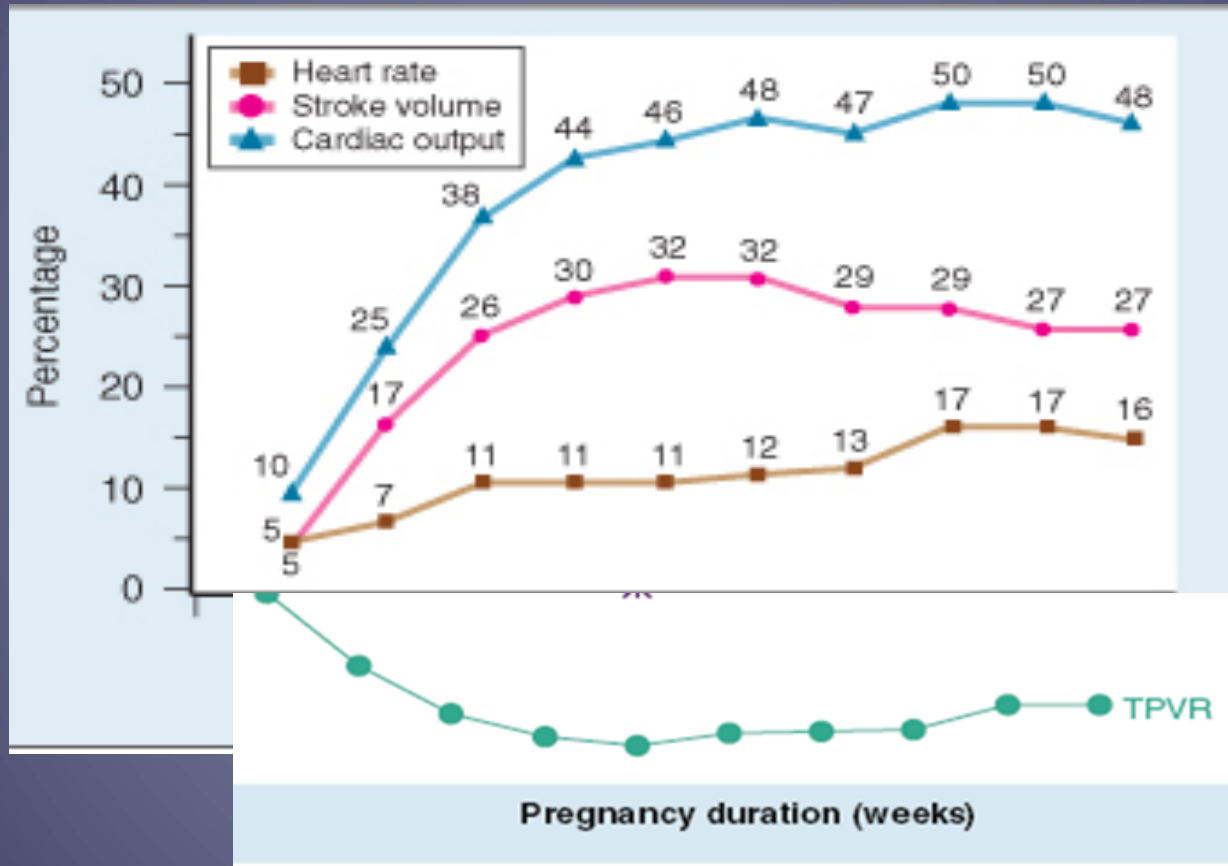
**SCOMPENSO CARDIACO**

**18%**

**5%**



# Modificazioni emodinamiche in gravidanza





# Tollerabilità emodinamica

**PIU' tollerata**



**MENO tollerata**

# CLASSE di RISCHIO **W.H.O. VI**

*FE < 30% NYHA III-IV*

*Iipertensione polmonare*

*AO: >45 Marfan;  
>50 BicAO*

**SM severa**

**SAO severa sintomatica**

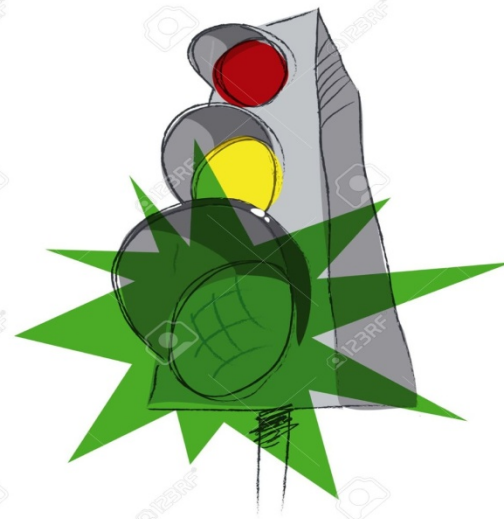


# CLASSE W.H.O. I

## LIEVE IM da PROLASSO LIEVE stenosi polmonare

Successfully repaired simple defect, patent ductus arteriosus (drainage).

Atrial or ventricular ectopy



Septal  
defect



# CLASSE W.H.O. II - III

Mild left ventricular impairment

**valvulopatie NON in classe WHO I e IV**

Marfan syndrome without aortic dilatation

Aorta <45 mm in aortic disease associated with bicuspid aortic valve

Repaired coarctation



# CLASSI DI RISCHIO W.H.O.

II

**LIEVE** incremento di mortalità



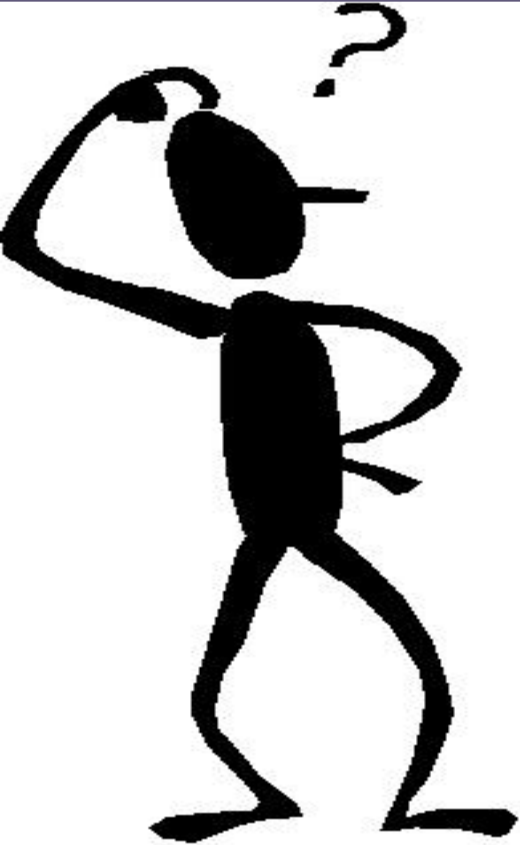
©AGC, Inc.

III

**SIGNIFICATIVO** incremento di mortalità



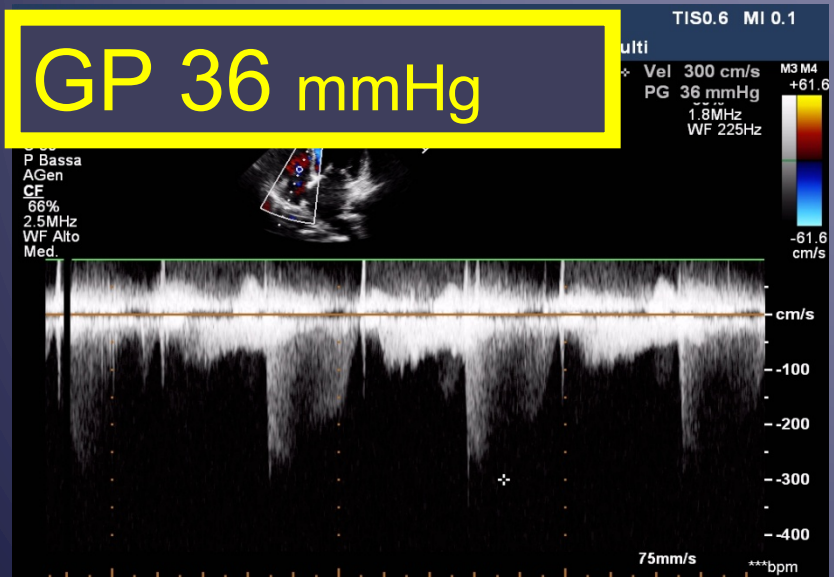
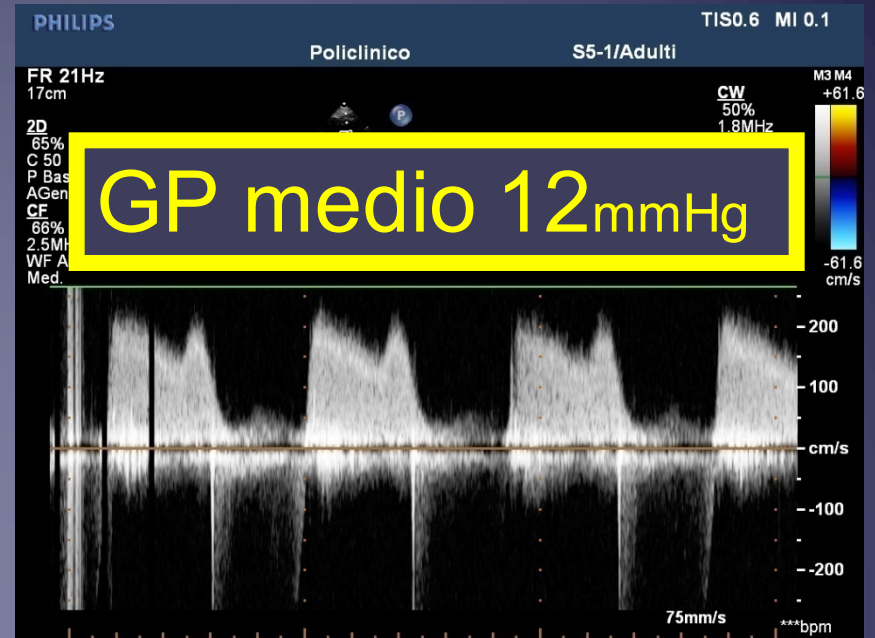
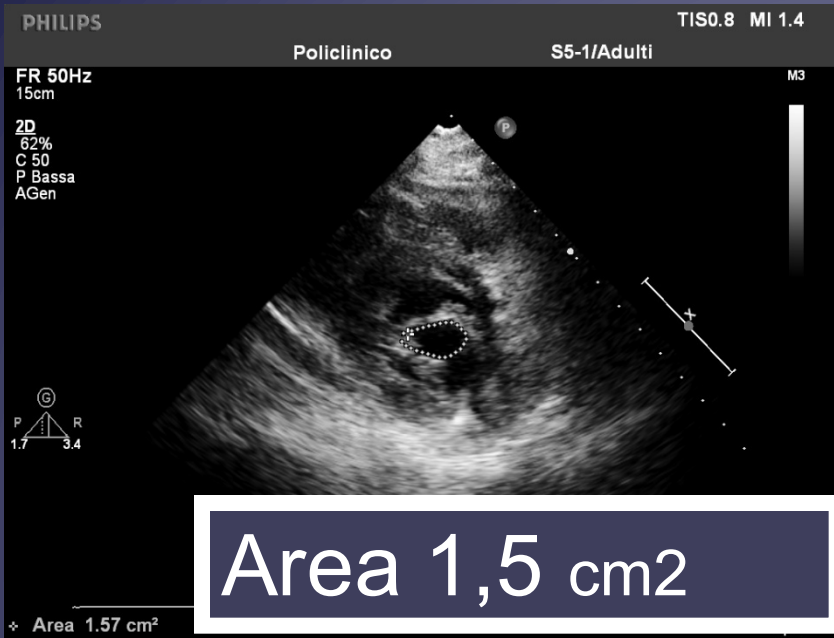
# PREDITTORI di SCC



Tipo e severità della lesione

Insufficienza cardiaca

Sintomaticità



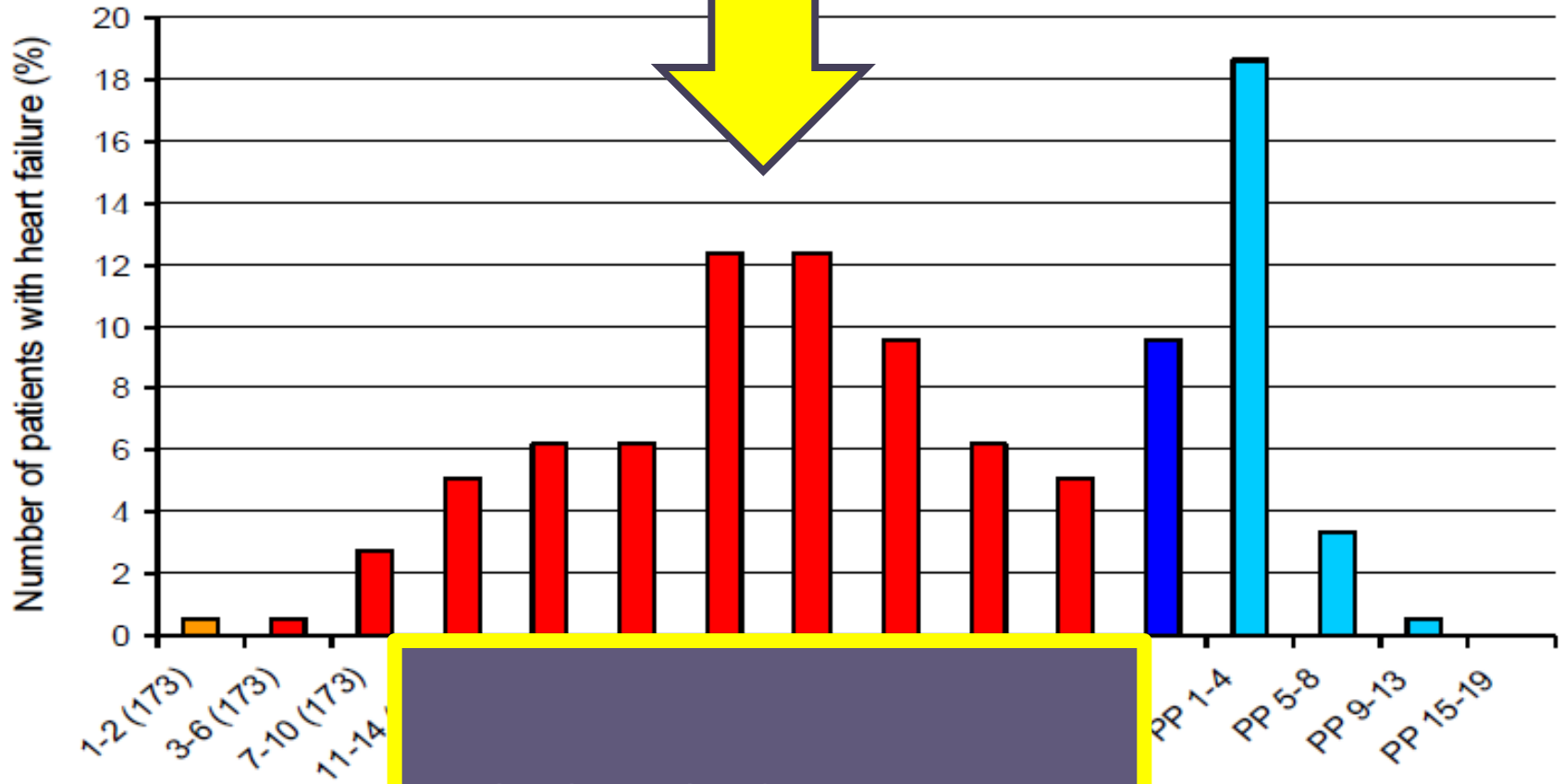
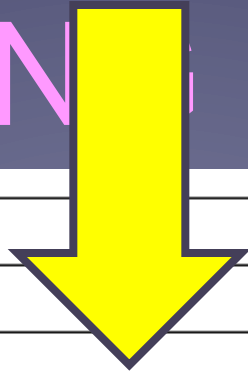
L N. 28 aa classe III

SM moderata

**24 sett**



# TIMING SCC



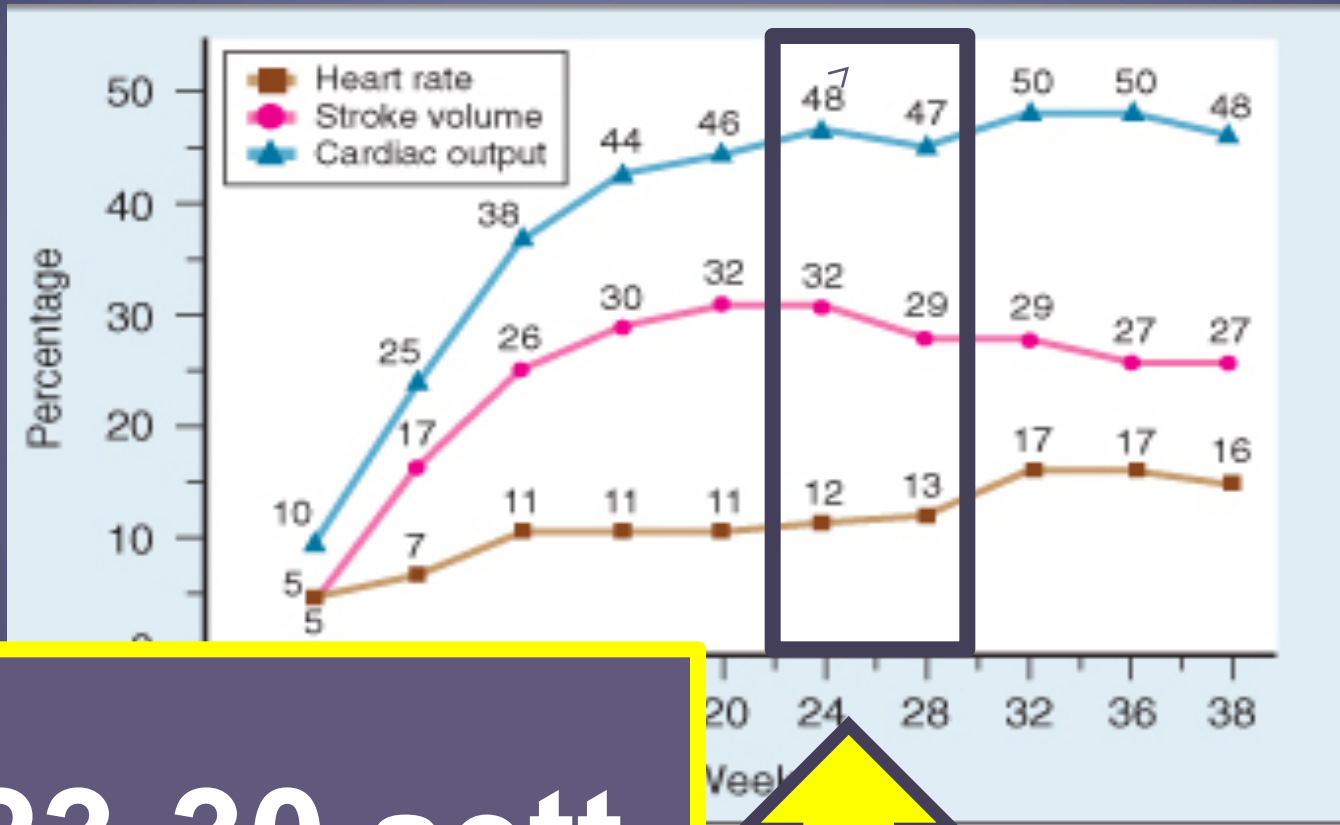
**23-30 sett**

Heart failure in p  
data from ROPA

se



# Sorveglianza Materna cardiologica Tempistica



23-30 sett





# Sorveglianza Materna

Sudden weight gain



High blood pressure

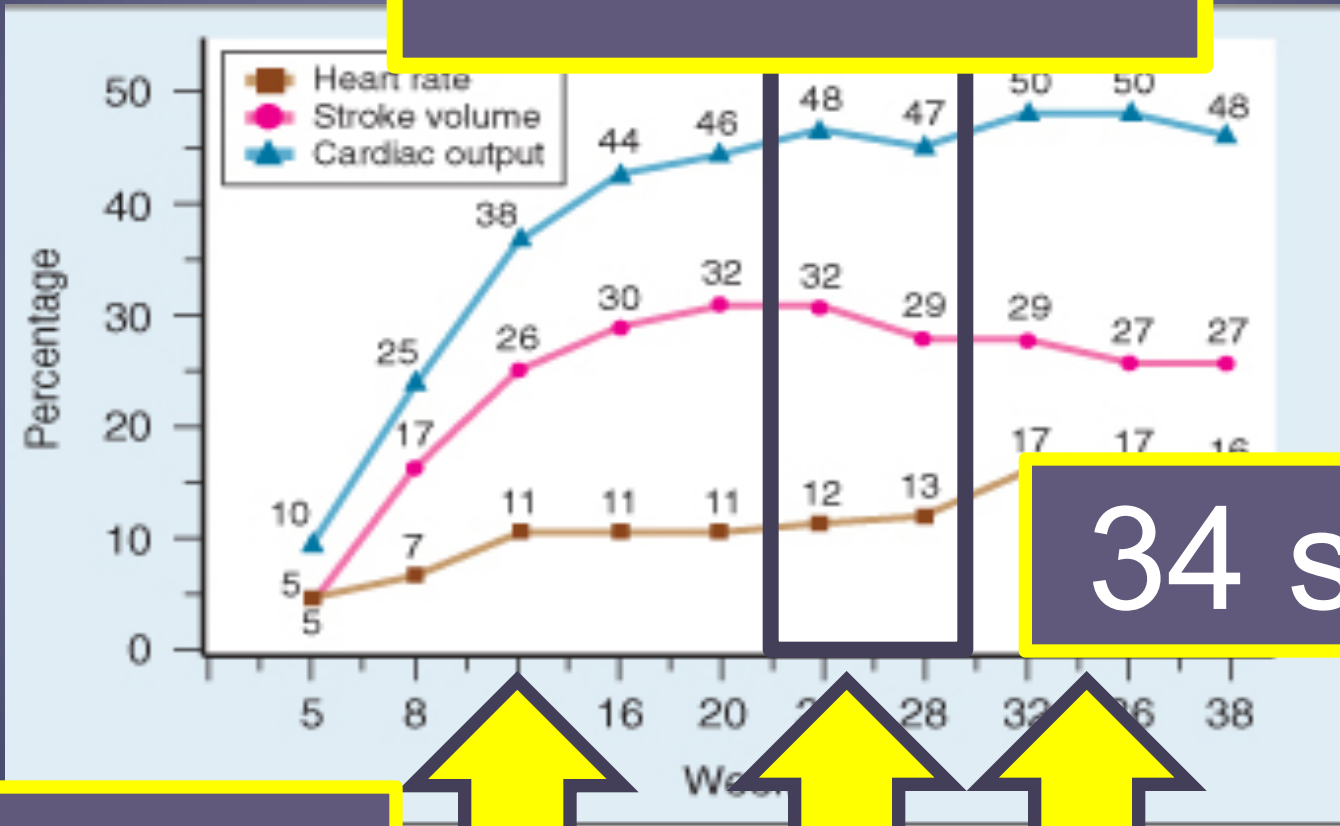


SCC  
30%

PRECLAMPSIA

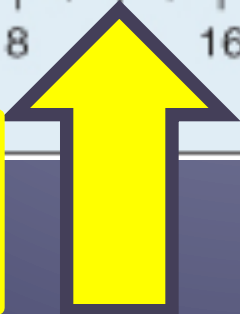


23-30 sett



34 sett

12 sett



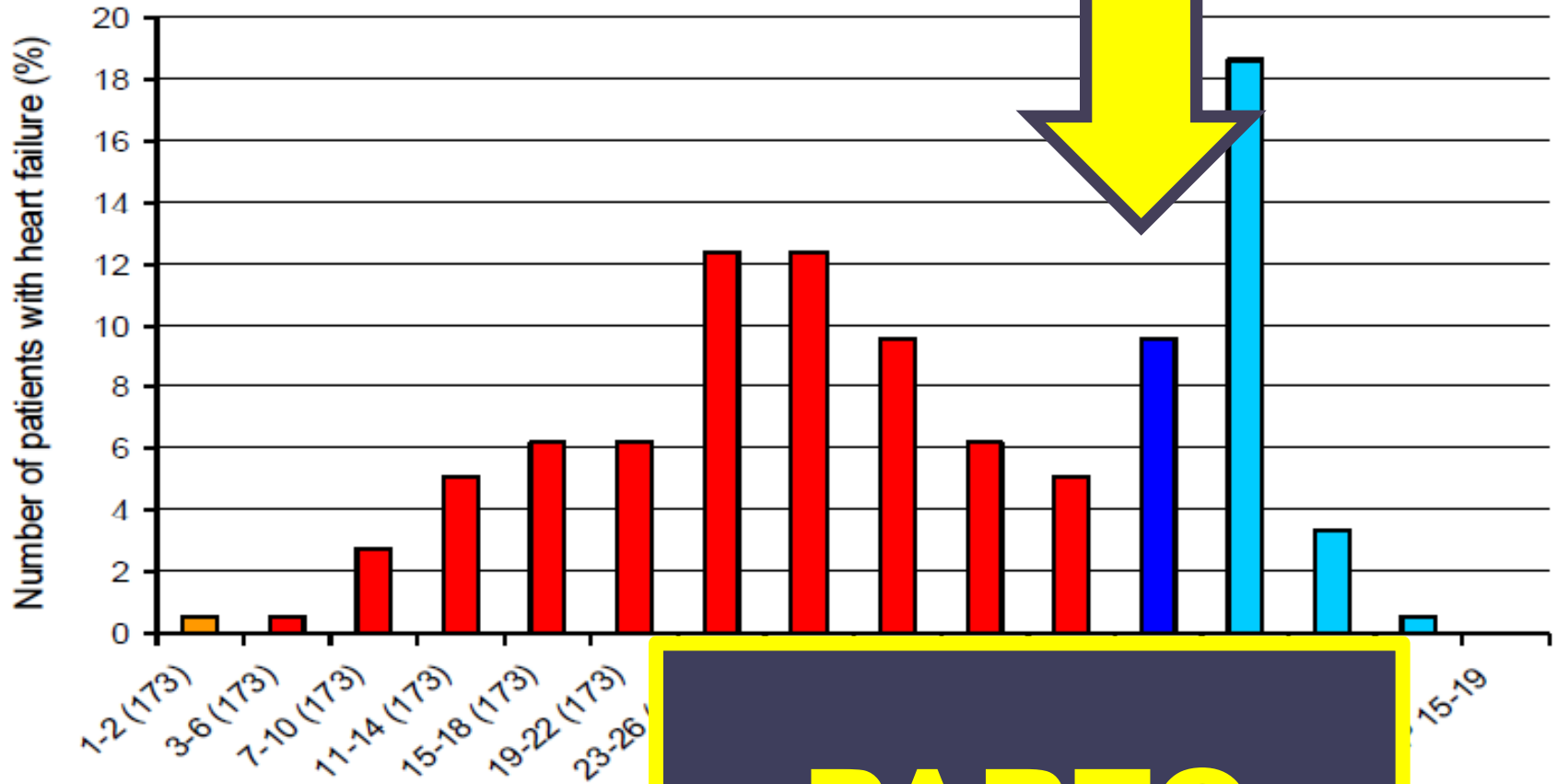
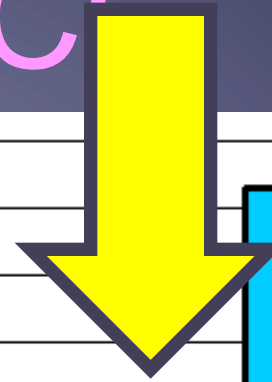
# PARTO



**TEAM MULTIDISCIPLINARE**



# TIMING SCC

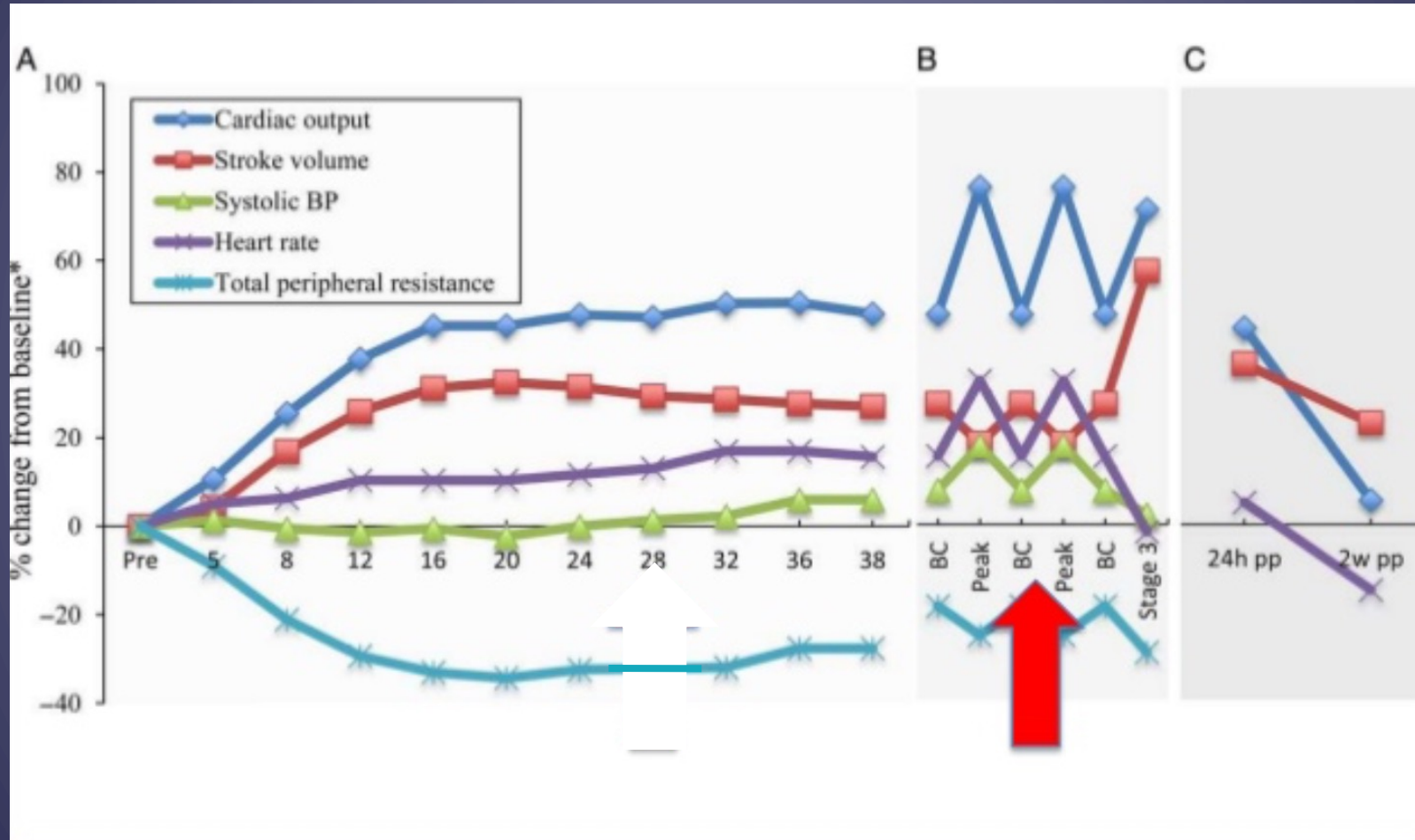


**PARTO**

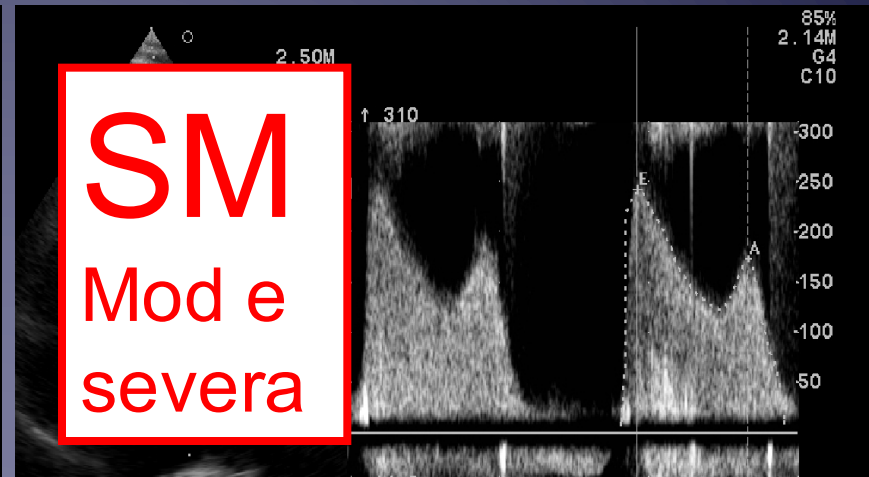
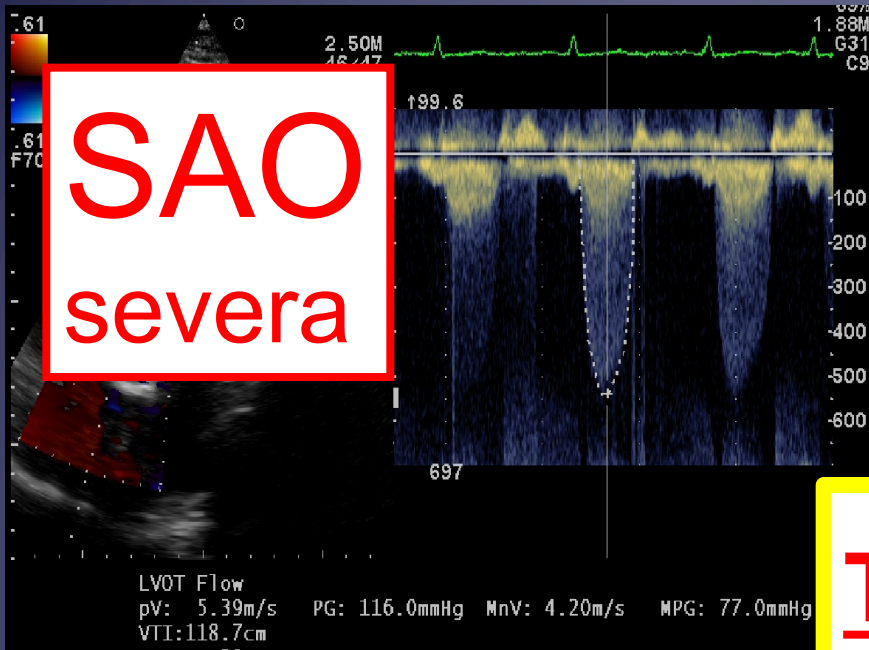
Heart failure in pregnant women  
data from ROPAC – Heart 2



# PARTO emodinamica





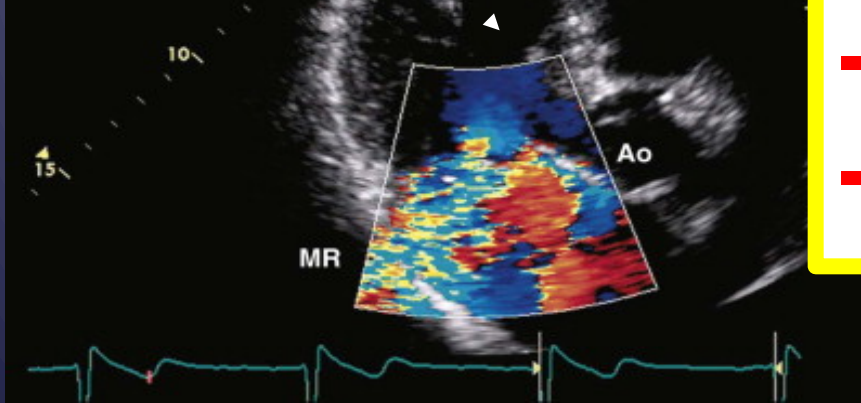


**TAGLIO CESAREO**

**Alto rischio**

- Prematurità**
- Mortalità fetale**

**FE < 30%**



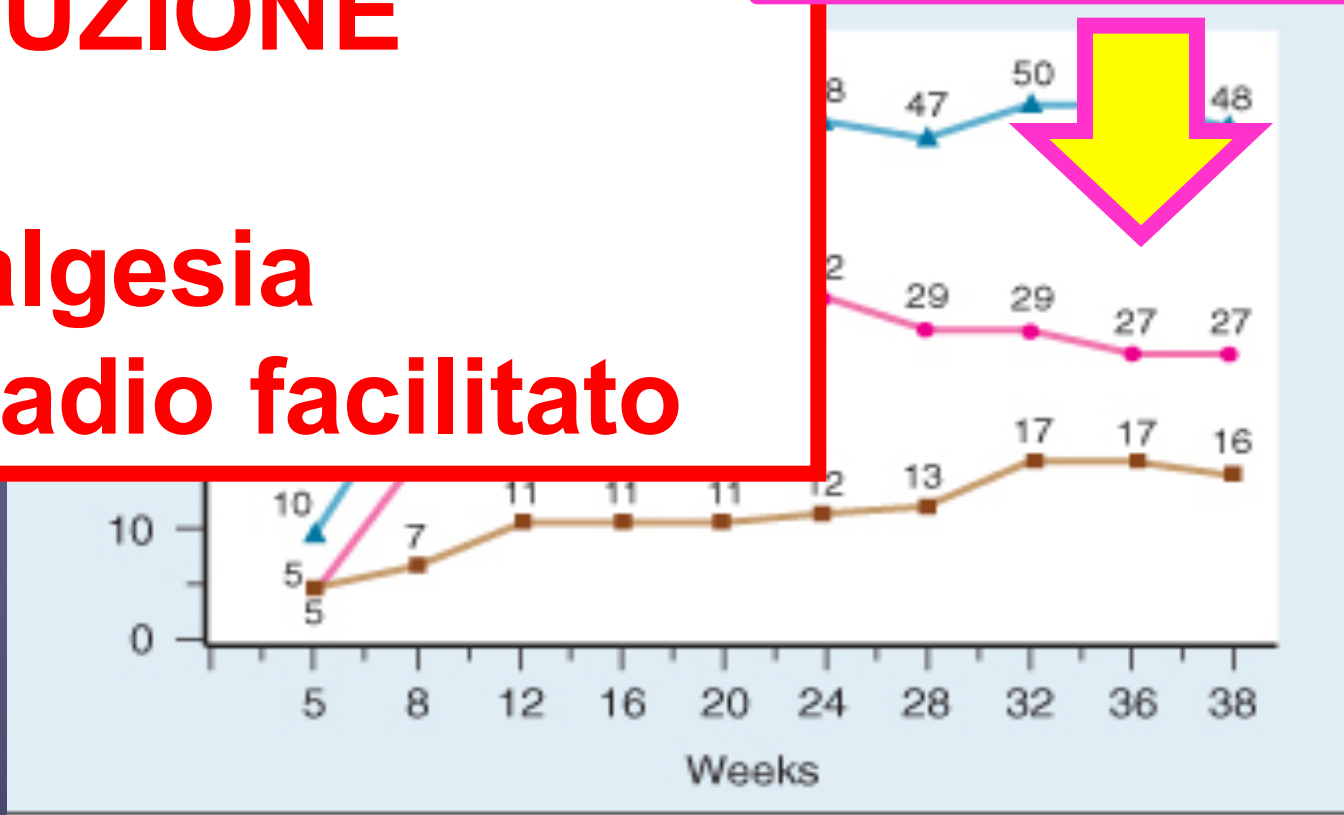


# PARTO

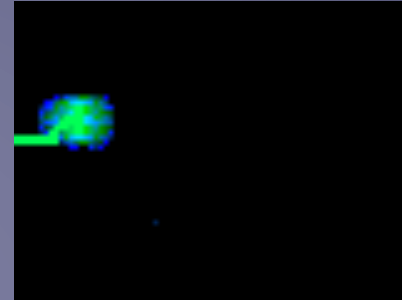
37 sett

**INDUZIONE**

**Analgesia  
Il stadio facilitato**



# POST PARTO



**ALTO RISCHIO**

Monitorizzazione **24 - 48 ore**

Soppressione della lattazione



*Grazie!*

