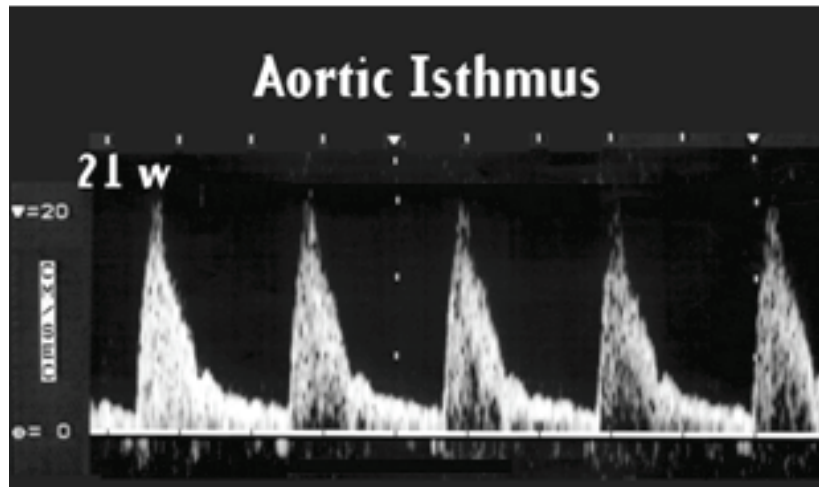


## Aortic isthmus

### Normal recording

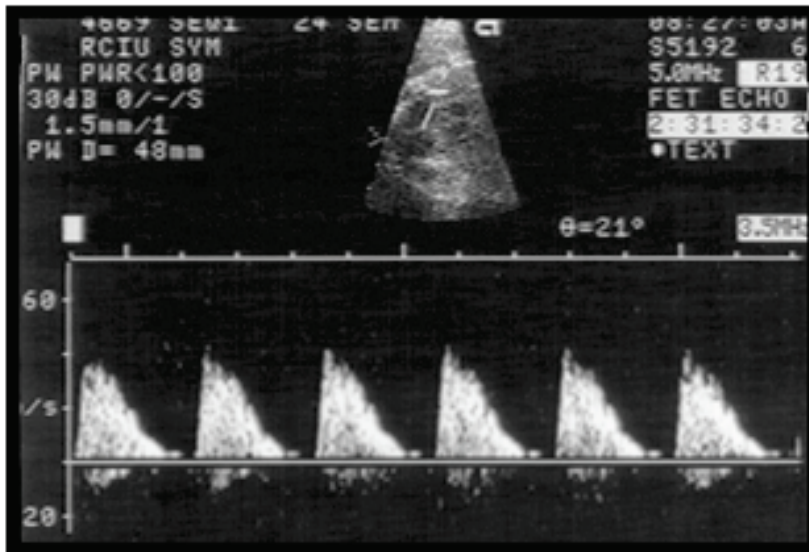
### Antegrade diastolic flow



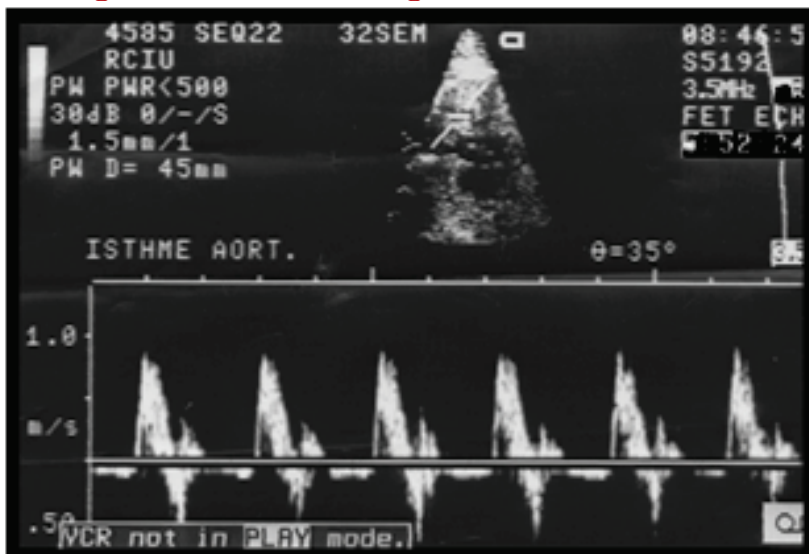
PIAF study: Placental insufficiency and aortic isthmus flow

### Abnormal recordings

#### Absent diastolic flow

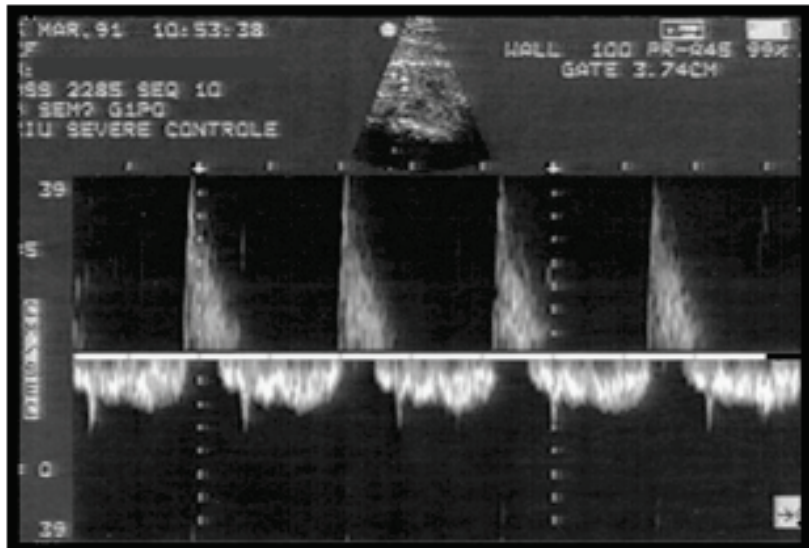


#### Antegrade and retrograde diastolic flow



PIAF study: Placental insufficiency and aortic isthmus flow

## Dominant retrograde diastolic flow

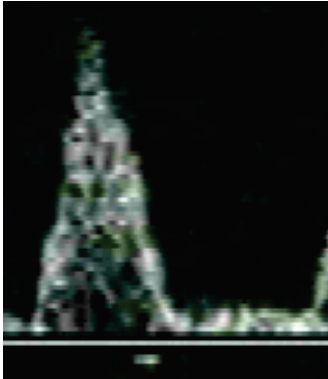


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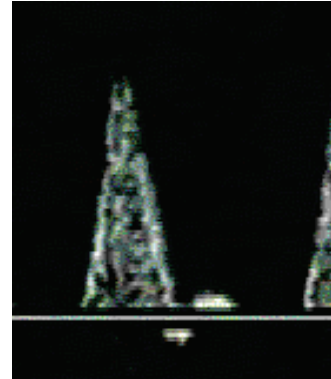
PIAF study: Placental insufficiency and aortic isthmus flow

IFI scale

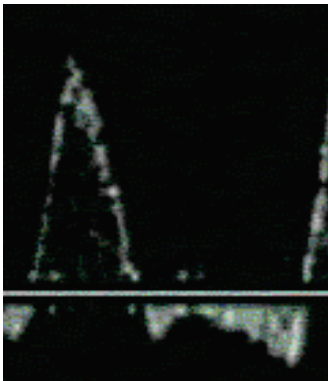
Type I  
Antegrade diastole,  
 $IFI < 1.2$



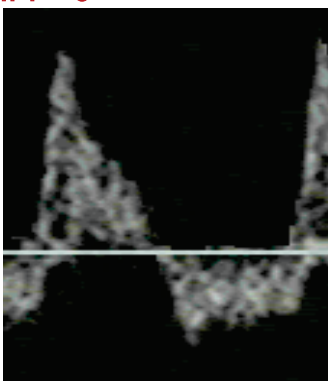
Type II  
Absent diastole,  
 $IFI = 1$



Type III  
Retrograde diastole < Antegrade systole,  
 $0 < IFI < 1$



Type IV  
Retrograde diastole = Antegrade systole,  
 $IFI = 0$



Type V  
Dominant retrograde diastole,  
 $IFI < 0$

