



# Pilot project at the OLV Clinic



## Preoperative anaemia detection and management in elective cardiac surgery patients

Dr. Sara Buys



1958



1997 PORT-ACCESS: (TE) minimal invasive valve surgery  
Dr. Hugo Vanermen

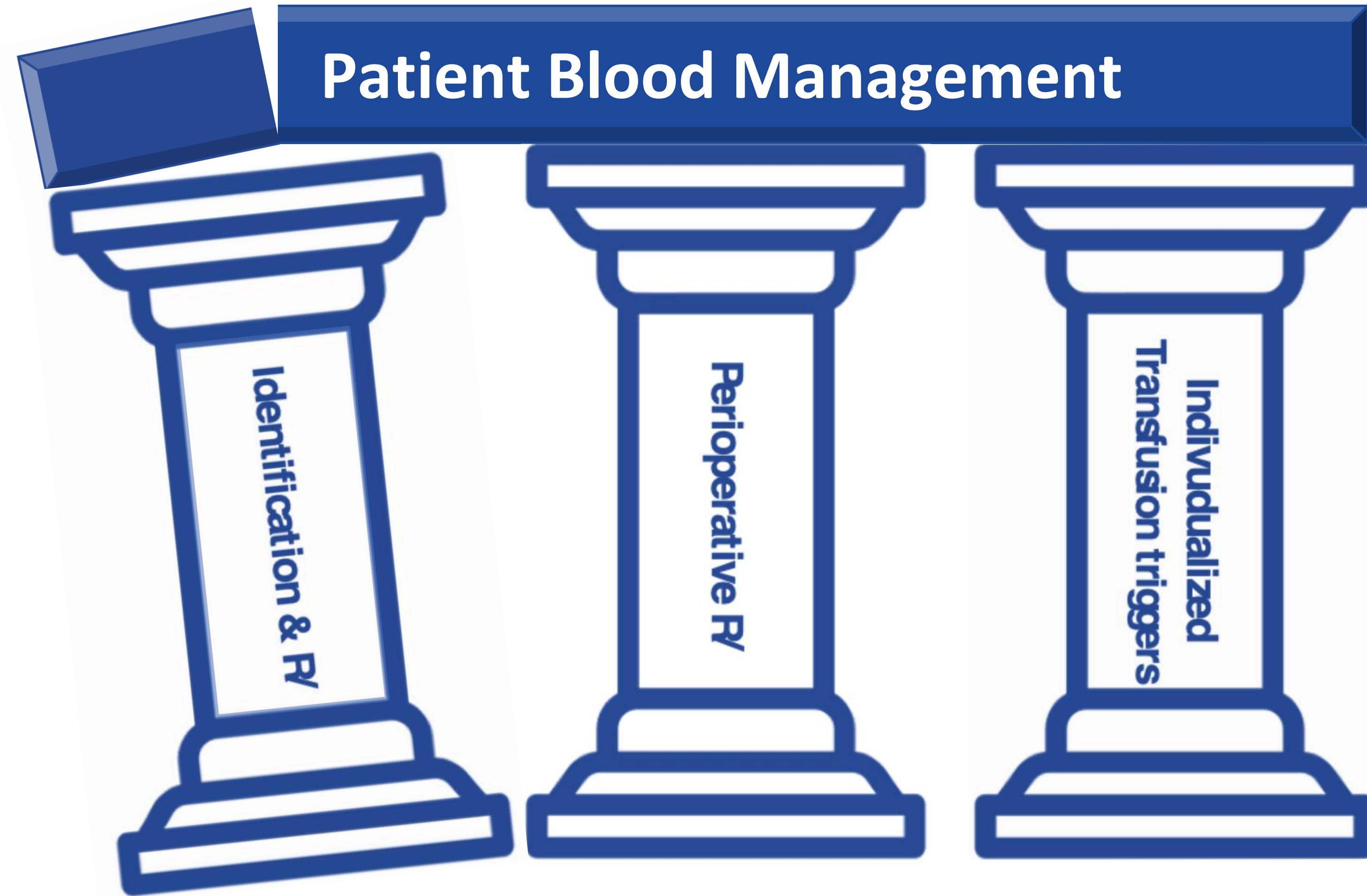
# OLV Clinic

## Cardiovascular Centre

- 600 surgeries p.a.
- minimal invasive: OPCAB, J-sternotomy, PA mitral valve surgery, robot enhanced MIDCAB
- heart transplant and LVAD implantation
- Aortic surgery

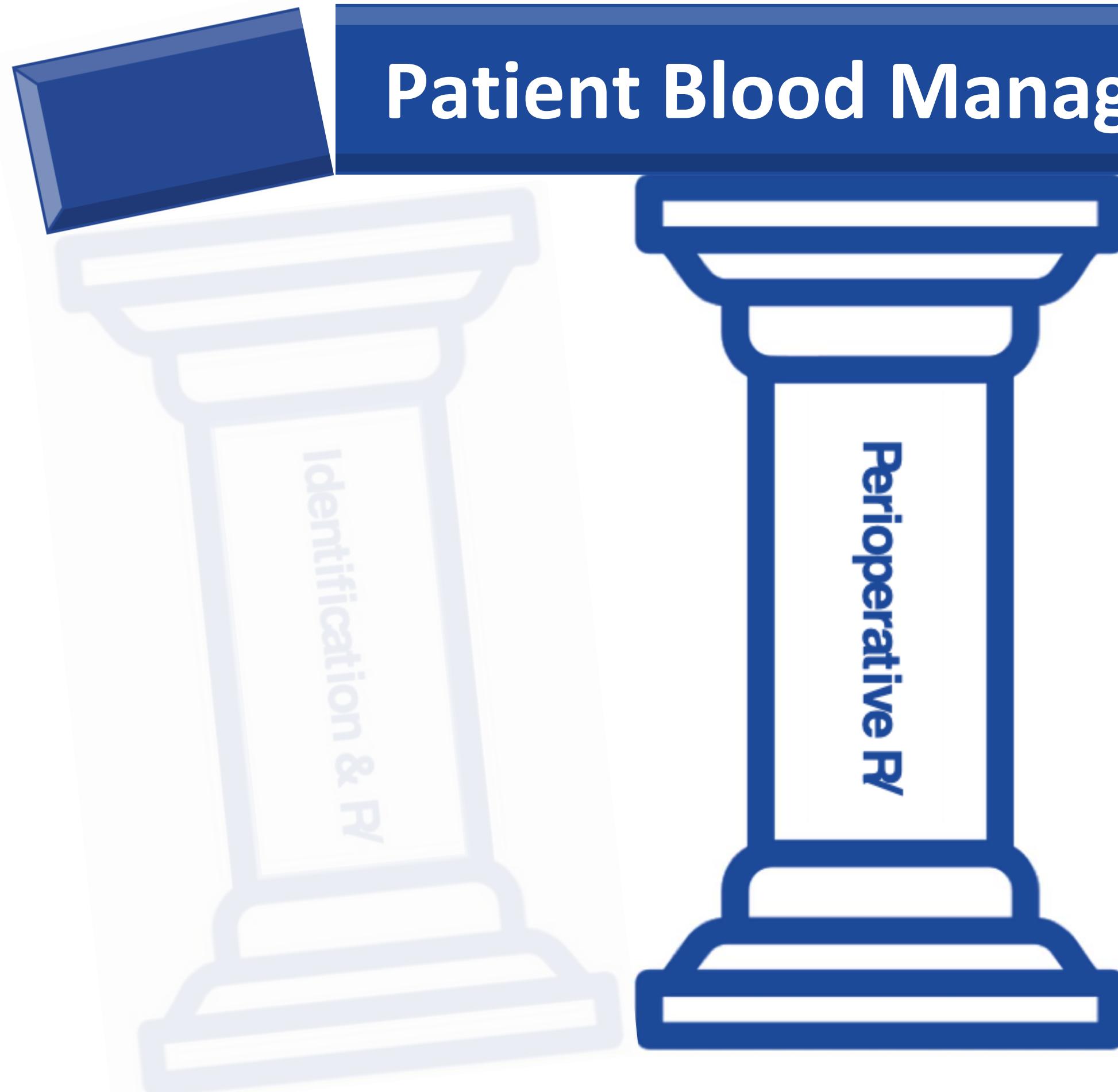
## Transfusion committee

- Dr. Els Bailleul (head) + 27 members
  - Geert Van Vaerenberg (perfusionist & haemovigilance co-worker)
  - Elke Quartier (haemovigilance co-worker)
  - Dr. S. Bouchez, Dr. S. Buys (cardiac anaesthesiologists)
  - Dr F. Van Praet (cardiac surgeon)
  - Co-workers' lab, heads of nursing departments, pharmacy, QC team, managing board, representative Rode Kruis Vlaanderen



Gloff et al, JCVA, 2023

# Patient Blood Management



- off-pump surgery
- minimal invasive surgery
- cell saver use
- reduction priming volume
- RAP
- blood cardioplegia

# Patient Blood Management

- closed loop pressure monitoring
- restrictive blood sampling
- ROTEM



Individualized  
Transfusion triggers

# Patient Blood Management



- prevalence 25-40% of patients
- 80% iron deficiency (absolute/functional)

↑ complications  
↑ prolonged hospital stay  
↑ transfusion requirements  
↑ mortality

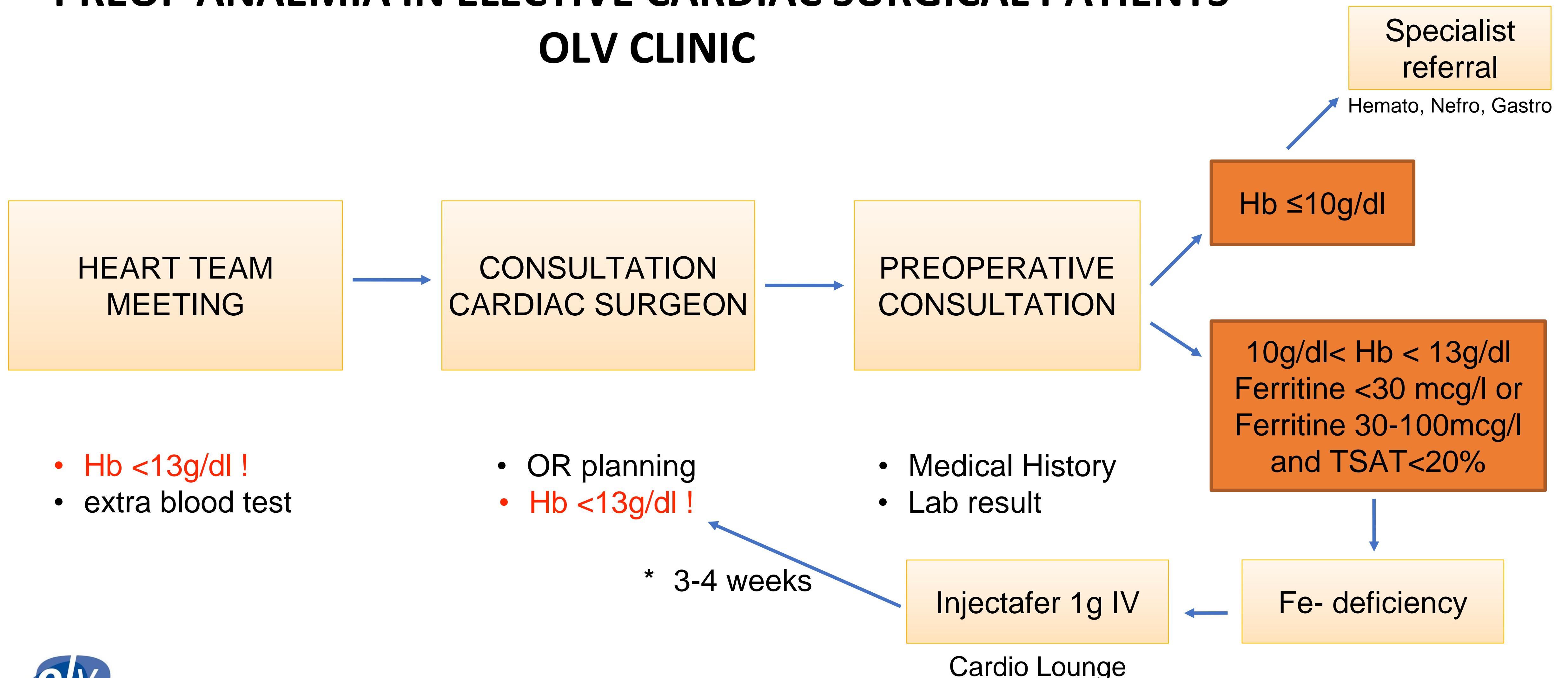
# Patient Blood Management



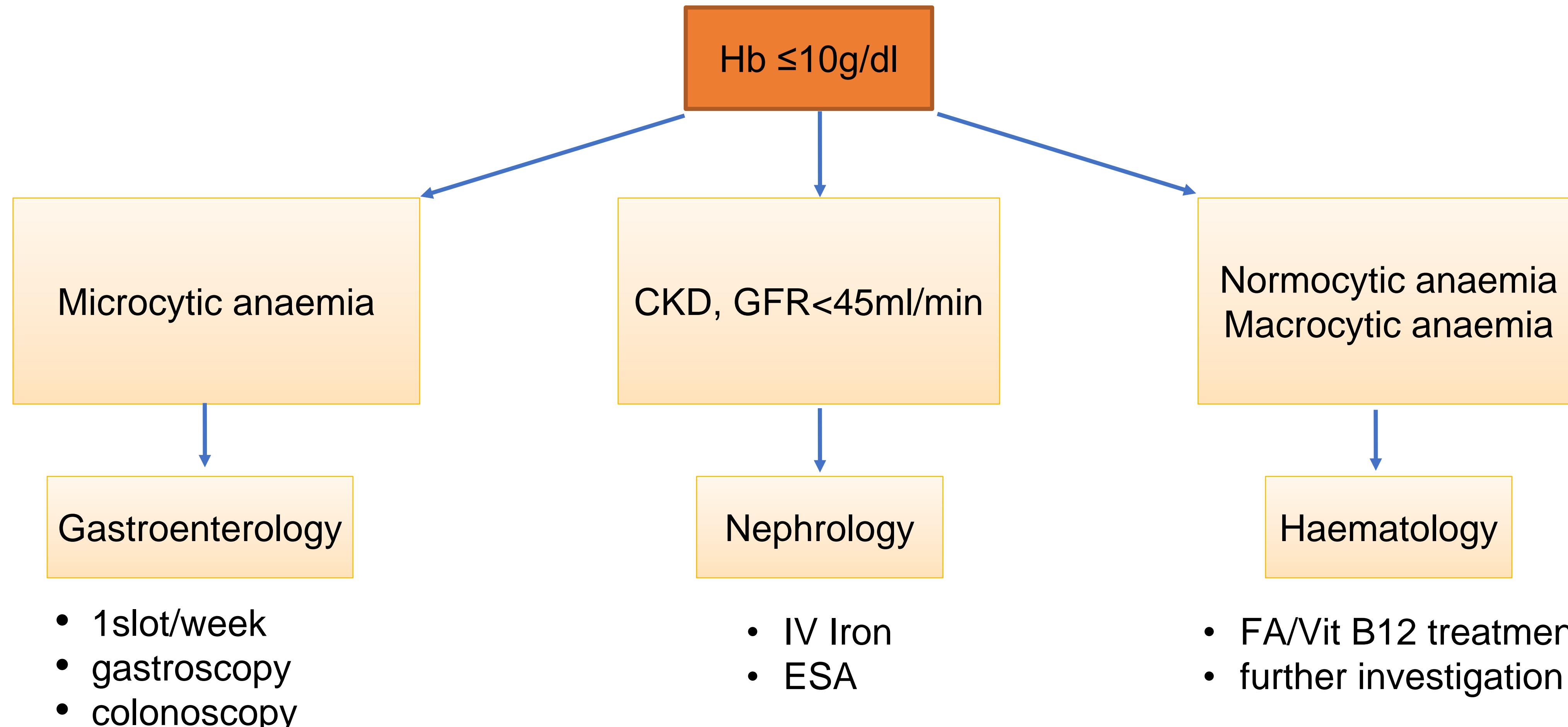
- Lack of knowledge
- Resistance to change
- Implications to OR planning
- High work load
- Reimbursement
- Logistics

# PREOP ANAEMIA IN ELECTIVE CARDIAC SURGICAL PATIENTS

## OLV CLINIC



# PREOP ANAEMIA IN ELECTIVE CARDIAC SURGICAL PATIENTS OLV CLINIC



A photograph showing a medical consultation. An elderly woman with short grey hair is seated in a black leather armchair, wearing a light grey tank top and patterned trousers. A medical professional with curly blonde hair, dressed in green scrubs, is seated next to her, holding a blood pressure cuff and a digital monitor. To the left, a large window looks out onto a lush green tree. A medical IV stand is visible in the foreground.

# TAKE HOME MESSAGES

- grab low hanging fruit
- search for compromise
- seek acceptable goals for all parties
- gather data, give feedback and expand



## TAKE HOME MESSAGES

- grab low hanging fruit
- search for compromise
- seek acceptable goals for all parties
- gather data, give feedback and expand

Rome wasn't built in a day...

