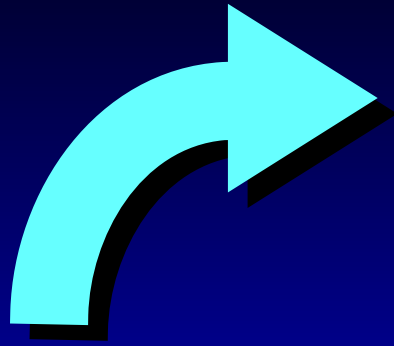
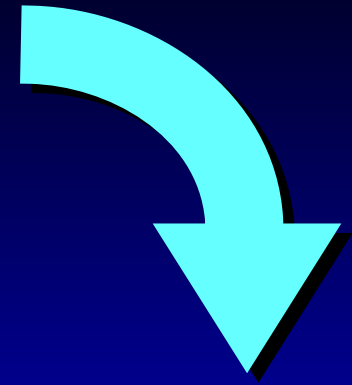


# HEART FAILURE: The way forward

- ◆ **Prevention**
- ◆ **Clarification of pathophysiology**
- ◆ **Pharmacogenomics and tailored therapy**
- ◆ **Volume overload strategies**
- ◆ **Non pharmacologic strategies**
  - ◆ **Mechanical circulatory support**
  - ◆ **Volume overload management**
  - ◆ **Cell therapies**



- **↑ Vascular Resistance**
- **Na + H<sub>2</sub>O retention**
- **Cardiotoxicity**

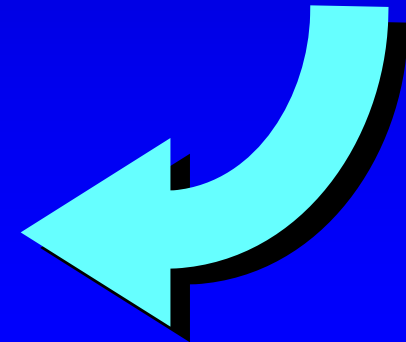
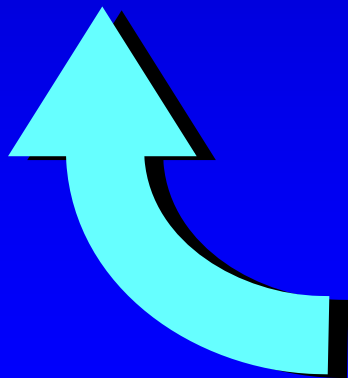


- **↓ Cardiac Output**
- **Congestion**

- **Inflammation**
- **Oxidative Stress**
- **Remodelling**
  - **Ventricular**
  - **Vascular**

### **Neurohumoral Activation**

- **Adrenergic**
- **RAA**
- **Vasopressin**
- **Endothelin**



# **Role of Cardiac Surgery in CHF**

- ◆ **Indications for Coronary Artery Bypass Surgery (CABG)**
- ◆ **CABG vs PCI**
- ◆ **Role of Surgical Ventricular Restoration (SVR)**
- ◆ **Role in Mitral Regurgitation**
- ◆ **Role of Cardiac Transplant**

# General Treatment Strategies in HF

