

Case Präsentation

Dr. K. Dimitrov, Prof. D. Zimpfer

Universitätsklinik für Chirurgie, Klein. Abt. f. Herzchirurgie



Patientendaten

- Alter: 68 Jahre
- Geschlecht: männlich
- Grunderkrankung: Ischämische CMP NYHA IV, INTERMACS 4
- BMI: 28.5
- Medikation: Bisoprolol 2.5mg 1-0-1, Sacubitril/ Valsartan Pause, Spironolocaton Pause, Torasemid 20mg 1-0-0, Sedacoron 200mg 1-0-0.

Komorbiditäten und Labor

- NIDDM: HbA1C = 6.7%
- Chronische Niereninsuffizienz
 - GFR 25.27 ml/min/1,73m²
- proBNP: 10703 pg/ml
- Hyperlipidämie
- Hypothyreose (substituiert)

Herzinsuffizienzanamnese

- Herzinfarkt 2009
 - PCI + Stent LAD
 - Erstdiagnose Herzinsuffizienz
- Z.n. ICD Implantation 2010
- Z.n. 2x Mitra Clip Implantation 2011 bei hohgradiger MI
- HTX Evaluierung, fix. PH + prärenal Nierenversagen

Rechtsherzkatheter

Vasodynamischer RHK – fix. PH

- CI 2L/min/m²
- sPAP 72mmHg
- dPAP 38mmHg
- mPAP 49mmHg
- PCWP 37mmHg
- PVR 246 dynsec/cm⁵
- PVR 3.1 Wood Units

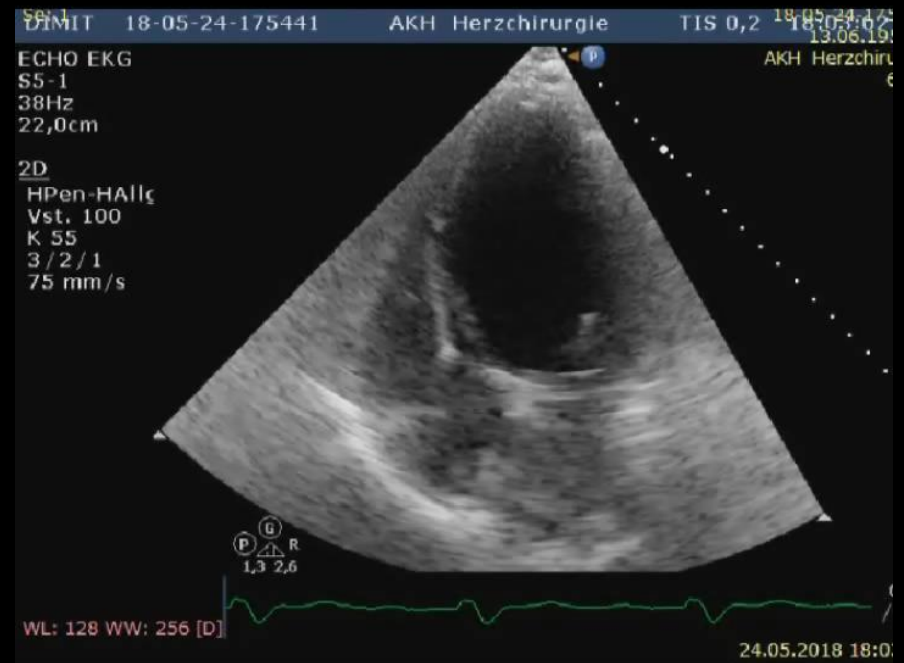


Table 13.3 Patients potentially eligible for implantation of a left ventricular assist device

Patients with >2 months of severe symptoms despite optimal medical and device therapy and more than one of the following:

LVEF <25% and, if measured, peak VO_2 <12 mL/kg/min.

≥3 HF hospitalizations in previous 12 months without an obvious precipitating cause.

Dependence on i.v. inotropic therapy.

Progressive end-organ dysfunction (worsening renal and/or hepatic function) due to reduced perfusion and not to inadequate ventricular filling pressure (PCWP ≥20 mmHg and SBP ≤80–90 mmHg or CI ≤2 L/min/m²).

Absence of severe right ventricular dysfunction together with severe tricuspid regurgitation.

CI = cardiac index; HF = heart failure; i.v. = intravenous; LVEF = left ventricular ejection fraction; PCWP = pulmonary capillary wedge pressure; SBP = systolic blood pressure; VO_2 = oxygen consumption.

2016 ESC Guidelines

Operatives Konzept

- LVAD Implantation als Bridge to Candidacy
- Device HeartMate 3
- OP Zugang: laterale Thorakotomie + obere Hemisternotomie
- Zusätzliche Prozeduren: keine geplant