TAVI optimisation with the Edwards SAPIEN 3 Valve – "7 Cases in a day" - Recorded cases

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Potential conflicts of interest

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☑️ We do not have any potential conflict of interest
Assembly line

Cardiology / thoracic surgery ward
- Patient preparation

Coronary care unit
- Routine check up
- Rehabilitation
- discharge
- Check haemodynamic function

Recovery room
- Check respiratory function

Cathlab
- Intubation
- TAVI

Shortstay
- IV lines
- Artery line
Assembly line

Cardiology / thoracic surgery ward
- Patient preparation
- Routine check up
- Rehabilitation
- discharge
7 patients

Coronary care unit
- Check haemodynamic function
2-3 patients

Recovery room
- Check respiratory function
2-3 patients

Cathlab
- Intubation
- TAVI
1 patient

Shortstay
- IV lines
- Artery line
1 patient
Assembly line

- Routine check up
- Rehabilitation
- discharge
- Cardiology / thoracic surgery ward
  7 patients
- Shortstay
  1 patient
- Cathlab
  1 patient
- Recovery room
  2-3 patients
- Coronary care unit
  2-3 patients
- Team
- IV lines
  - Artery line
- Check haemodynamic function
- Check respiratory function
- Routine check up
- Intubation
- TAVI
- Rehabilitation
- discharge
Assembly line
Cardiology / thoracic surgery ward
7 patients
Shortstay
1 patient
Cathlab
1 patient
Recovery room
2 - 3 patients
Coronary care unit
2 - 3 patients
- IV lines
- Artery line
- Intubation
- TAVI
- Patient preparation
- Check respiratory function
- Check haemodynamic function
- Routine checkup
- Rehabilitation - discharge
Team
Follow up patient 1

- Female 83 yrs
- History: AoS, NSTEMI, endometrium carcinoma, Whipple operation, anemia, portal vein hypertension
- Euroscore: 9.52%
- Procedure: 08.47 - 09.10 TF23mm
- Routing: ward(thorax)-cathlab-recovery-CCU-ward
- Discharge: day 4 referring hospital
- No complications
Follow up patient 2

- Female 79 yrs
- History: AoS, Recent stroke, HT
- Euroscore 15.76%
- Procedure: 09.51 - 10.19  TF 23mm
- Routing: ward-shortstay-cathlab-recovery-CCU-ward
- Discharge: day 2 Home
- No complications
Follow up patient 3

• Male 79 yrs (hospitalised)
• History: AoS, HT, 2x bowel carcinoma, neuropathy
• Euroscore: 5.48%
• Procedure: 10.55 – 11.12  TF 26mm
  Pacemaker in situ (pre-existent RBBB)
• Routing: ward-shortstay-cathlab-recovery-CCU-ward
• Discharge: day 3  Home
• Complications: paroxysmal atrial fibrillation
Follow up patient 4

- Female 78 yrs
- History: AoS, paroxysmal atrial fibrillation, coronary artery disease, PCI (3VD), TIA, hypothyroidism, hypertension
- Euroscore: 7.01%
- Procedure: 11.49 - 12.06 TF 26mm
- Routing: ward-shortstay-cathlab-recovery-CCU-ward (thorax)
- Discharge: day 10 rehabilitation centre
- Complications: atrial fibrillation with hypoperfusion and cerebral hypoperfusion
Follow up patient 5

- Female 81 yrs (hospitalised)
- History: AoS, chronic atrial fibrillation, coronary artery disease, rheumatoid arthritis, hyperthyroidism, ischemic colitis, sigmoid resection, total knee replacement
- Euroscore: 8.44%
- Procedure: 12.57 - 13.19 TF 26mm, temporary pacemaker in situ (bradycardia 35bpm)
- Routing: ward-shortstay-cathlab-recovery-CCU-ward
- Discharge: day 2 referring hospital
- No complications
Follow up patient 6

- Female 83 yrs (hospitalised)
- History: AoS, rheumatoid arthritis, hemistrumectomy
- Euroscore: 9.52%
- Procedure: 14.09 - 14.29 TF 26mm, temporary pacemaker in situ (total AV block)
- Routing: MC-shortstay-cathlab-MC(1 day)-ward
- Discharge: day 4 Home
- Complications: total AV block, Pacemaker implantation (04-09-2017)
Follow up patient 7

- Male 78 yrs
- History: AoS, peripheral artery disease EVAR, stroke, diabetes mellitus, hypertension, longcarcinoma, renal failure (clearance 13ml/min/1.73m2)
- Euroscore: 16.7%
- Procedure: 15.15 - 15.43 TF 29mm
- Routing: ward-shortstay-cathlab-recovery-CCU-ward
- Discharge: day 3 Home
- No complications