

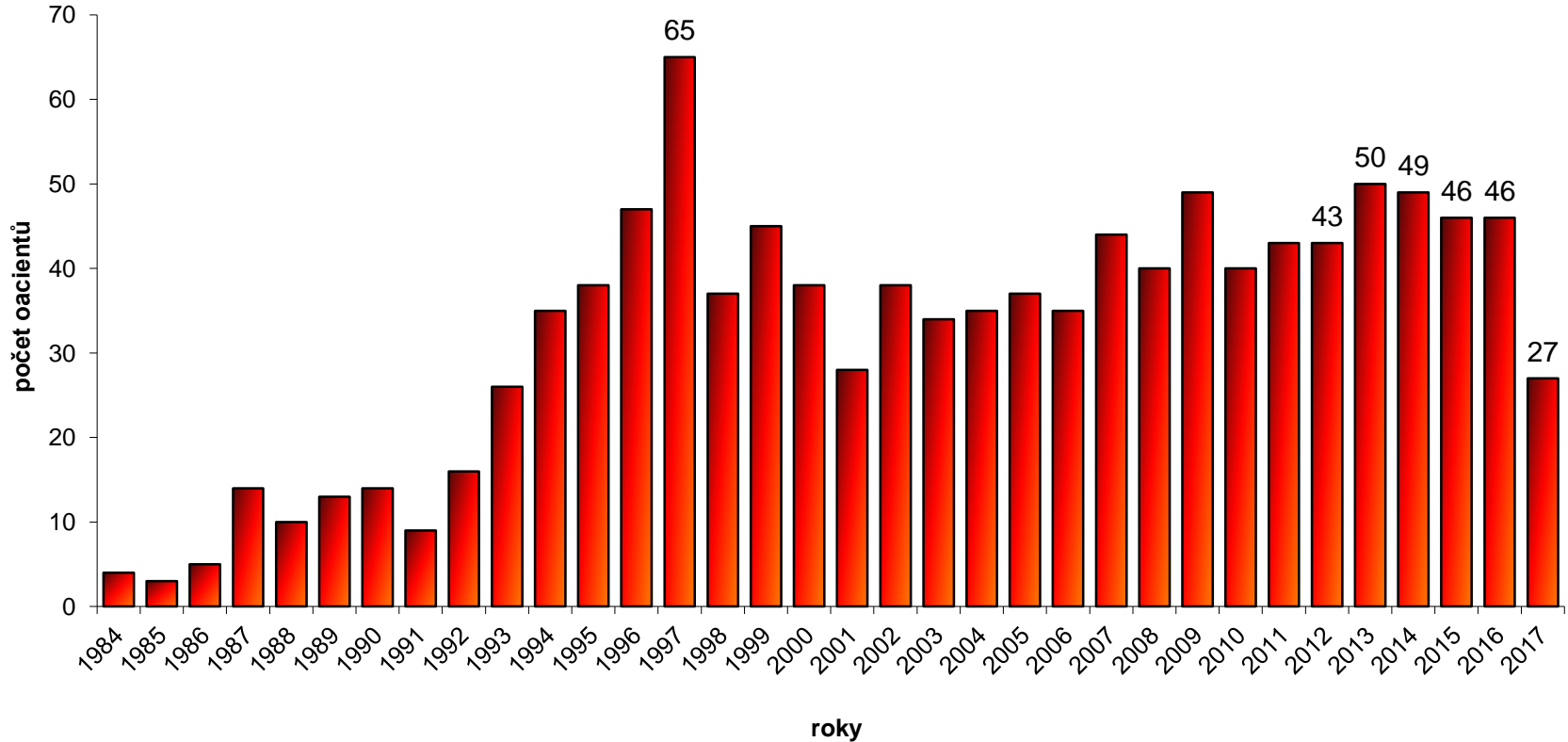
# Transplantace srdce v éře mechanických srdečních podpor



**J. Pirk**

# Number of heart transplants at IKEM by year: 31.1.1984–31.7.2017)

n= 1103

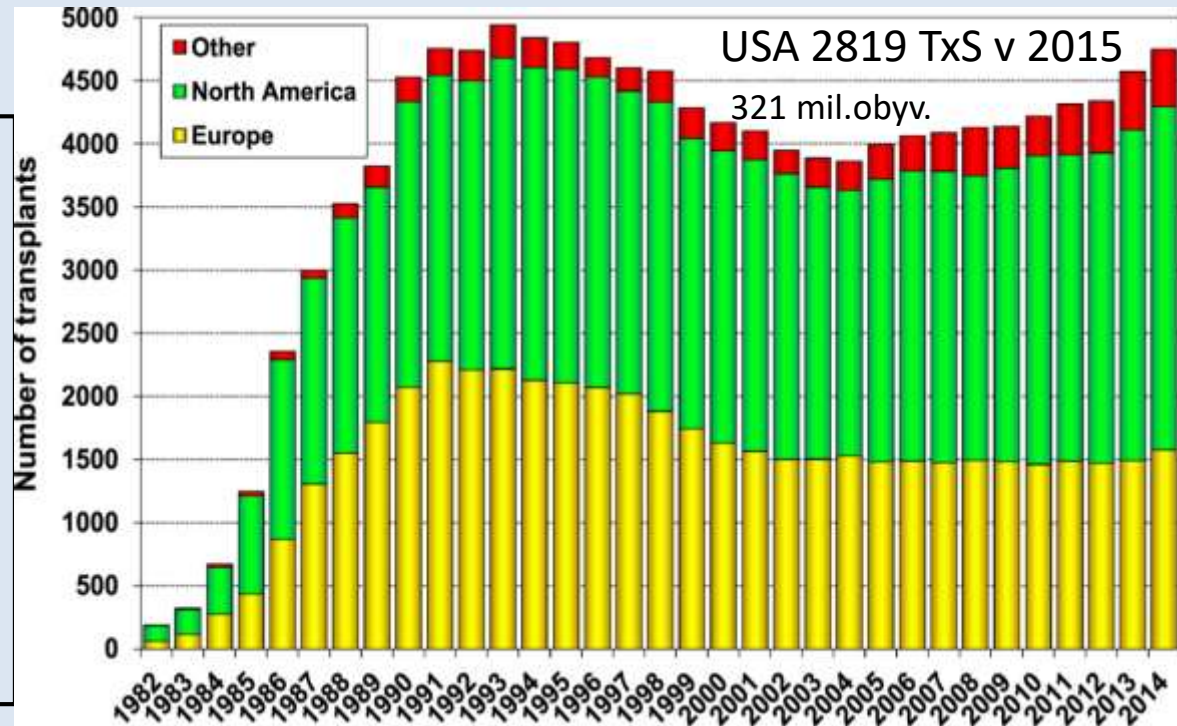


# HTx: ISHLT

Total: **126 905** (through 6/2015)

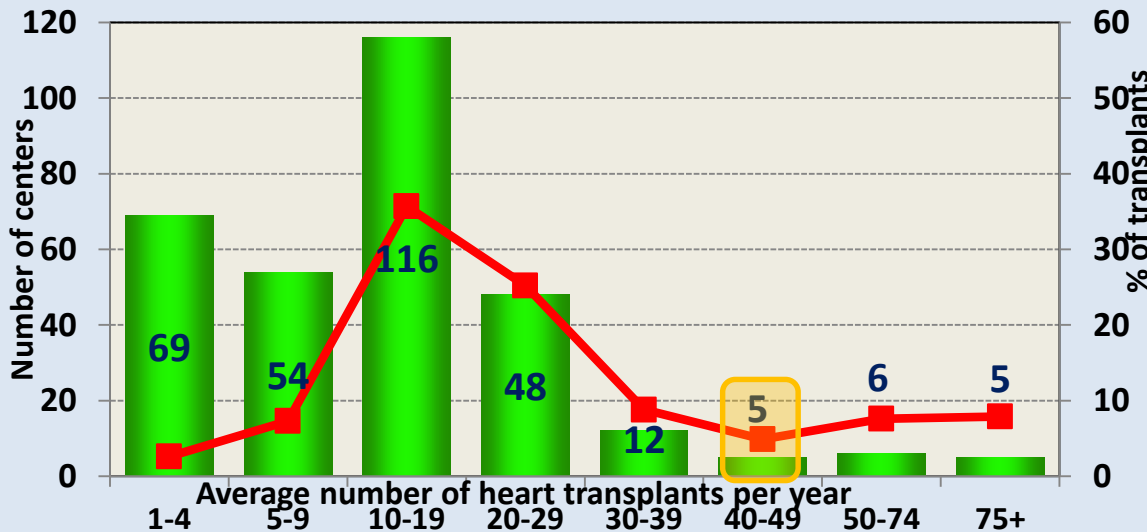
6/2014-6/2015 : **3711** HTx adult  
**623** HTx children  
**4334 per year** (ISHLT)

acc GODT 2014: 6542 HTx/year



Number of centers (green bar) Percentage of transplants (red line)

457 centers



Registry ISHLT J Heart and Lung Transplant 2016; 35: 1158 - 1169



# *The oldest living man – 33 years after heart Tx in IKEM*



700.Htx symposium 2008

1000.Htx symposium 2015

now : 81 years old man



2008



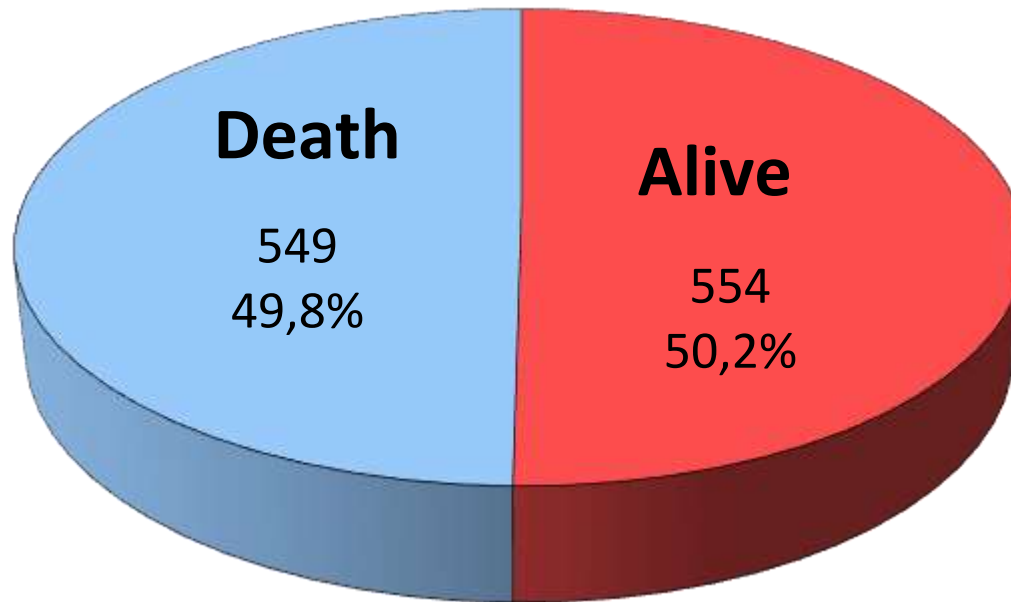
**HTx was 23.10.1984 (IKEM)**



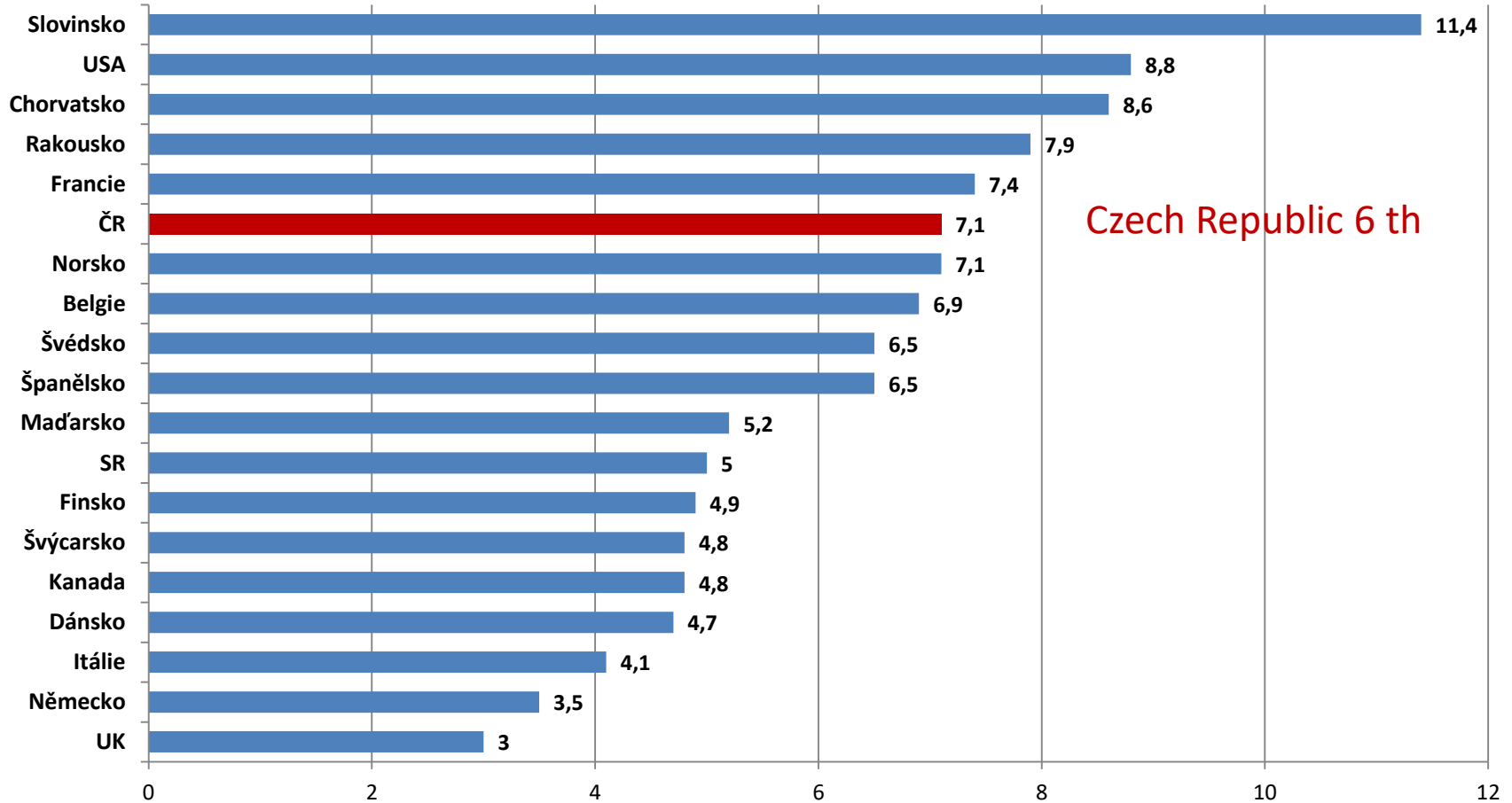
# Outcome after HTX - IKEM to 8.8.2017 (all recipients, n=1103)

Status: follow-up of all patient

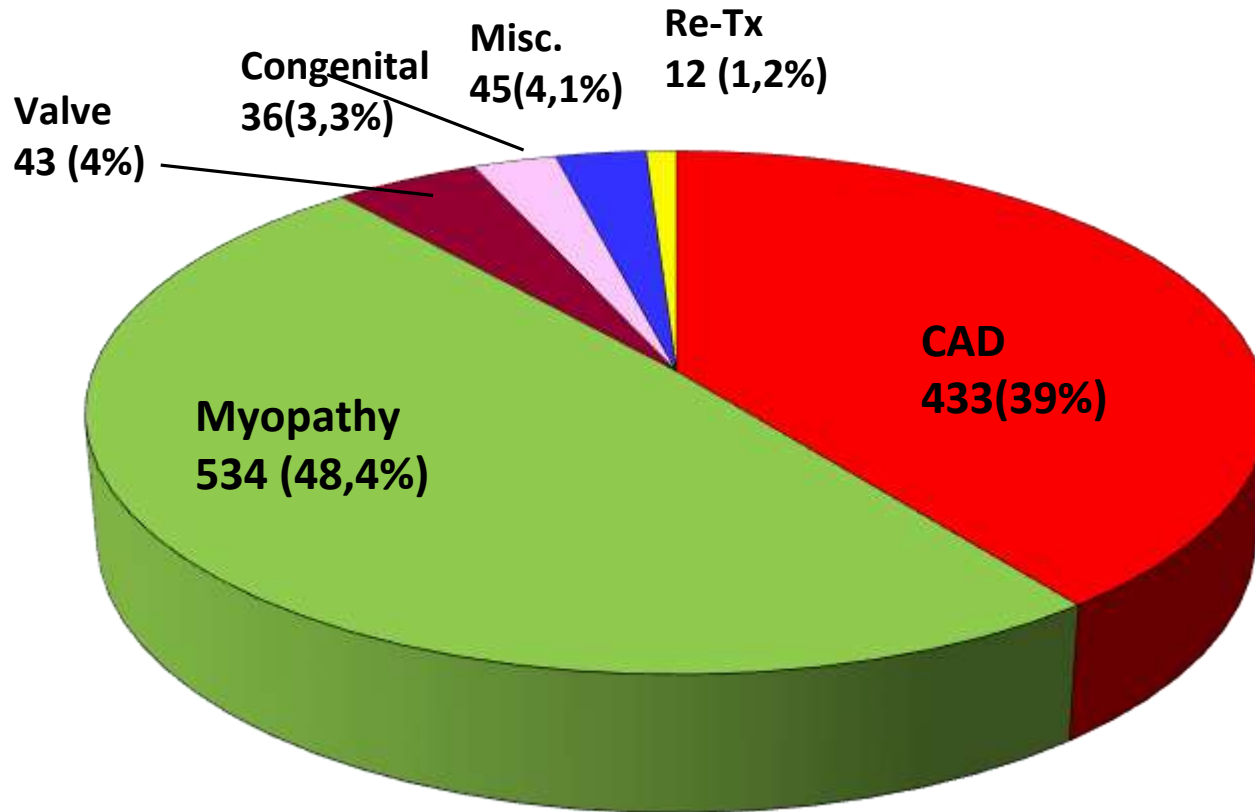
(907 M, 194 F)



# Number of HTx/ pmp in 2015 worldwide



# Recipient diagnosis

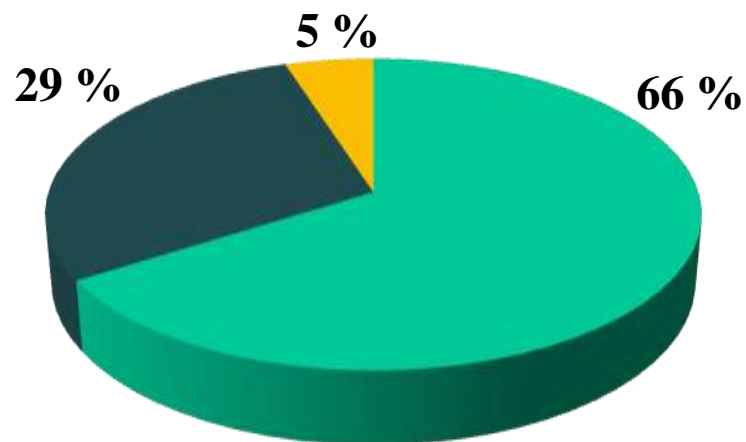


# Transplantace srdce IKEM

## Osud nemocných na čekací listině

1984-1994

n = 215



■ transplantace

■ zemřelo v čekací době

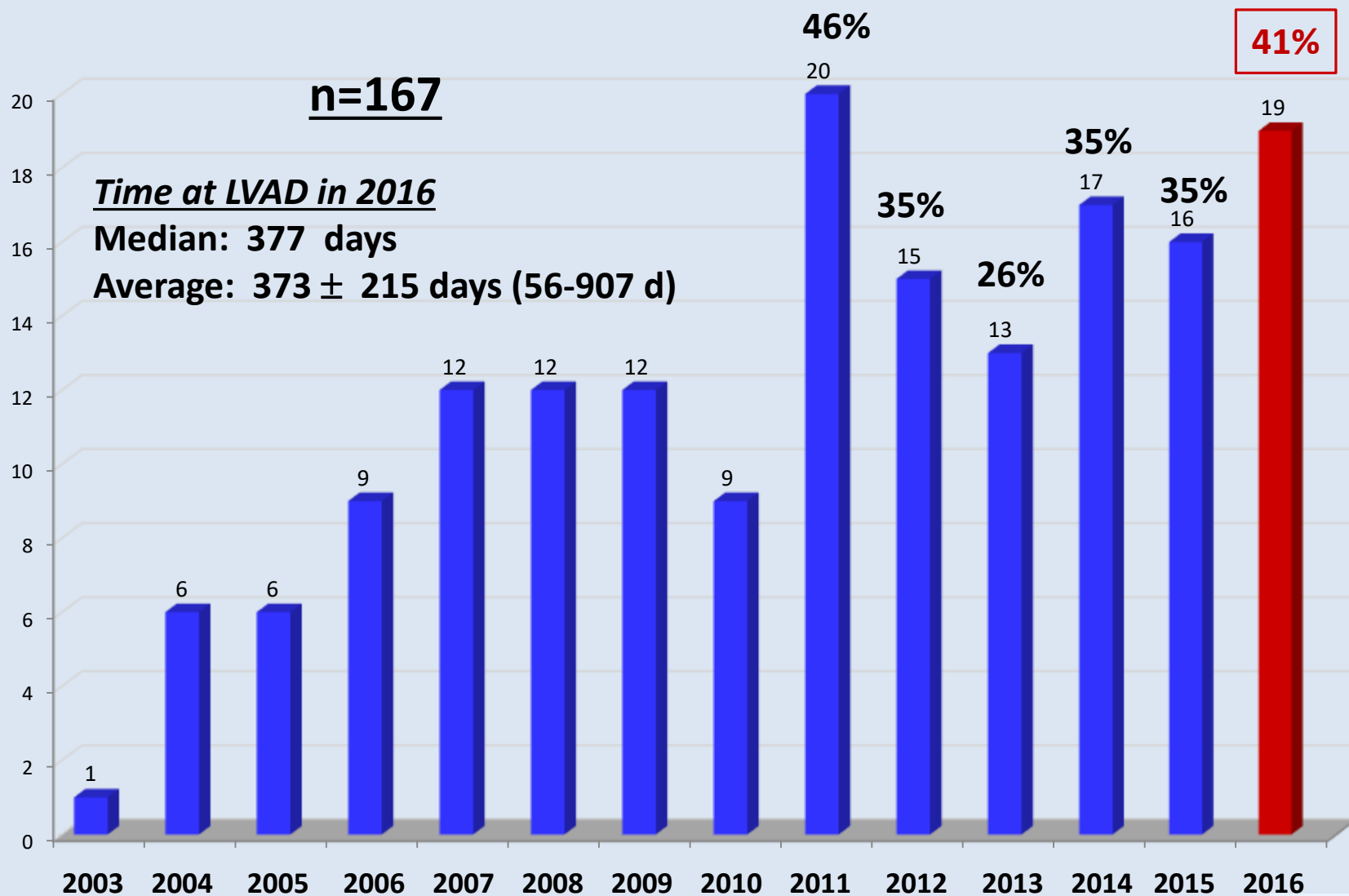
■ žijí



# MCS Program

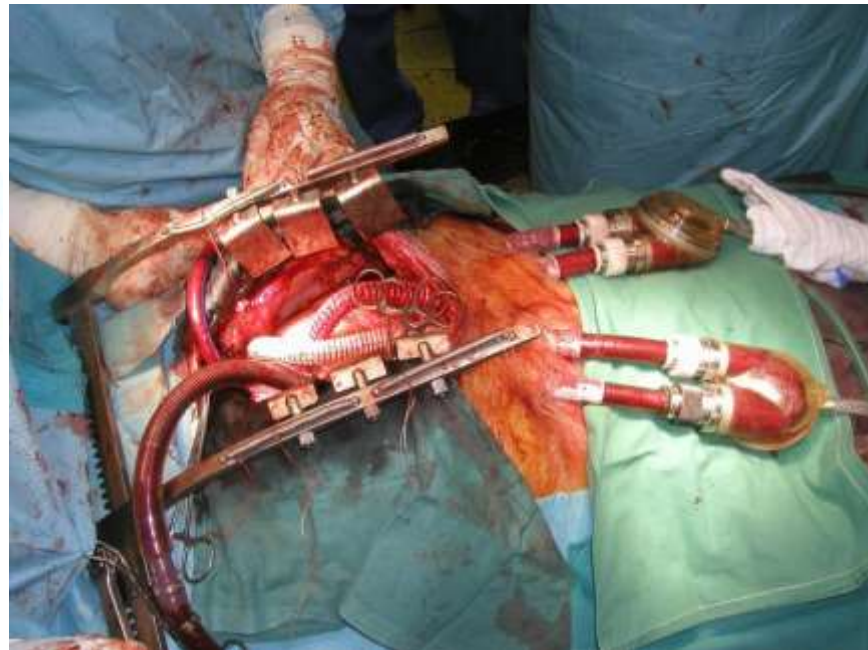
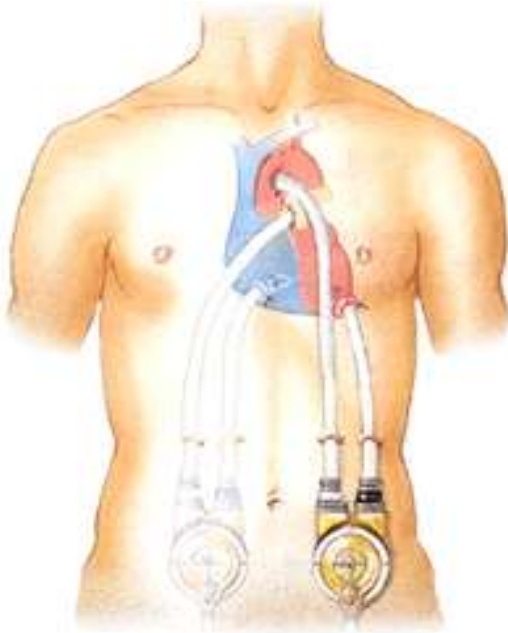
- 1. Implant 3. 4. 2003
- Devices Used:
- Thoratec                      54
- HM II                              216
- HM 3                                71
- Jarvik                                2

# Use of mechanical circulatory support at time of heart transplant by year of transplant/IKEM (2003 – 2016)



# Thoratec

- BIVAD 52
- LVAD 2
- HTx 37
- † 17



# HM II + HM 3 = 287

- Longest support 2636 days
- HTx 125
- Recovery 6
- Ongoing 77
- † 79

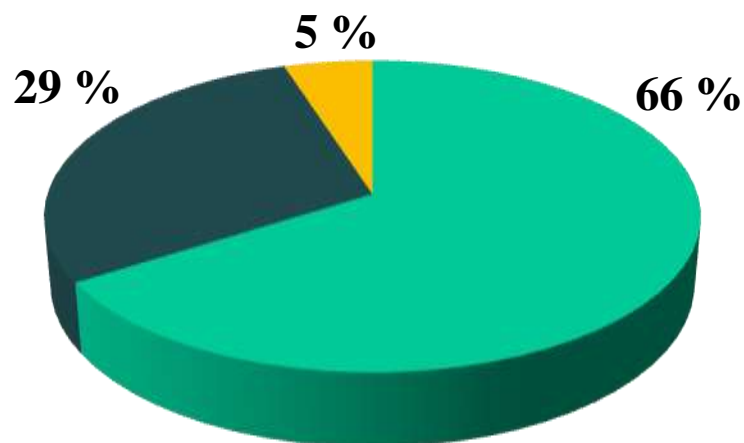


# Transplantace srdce IKEM

## Osud nemocných na čekací listině

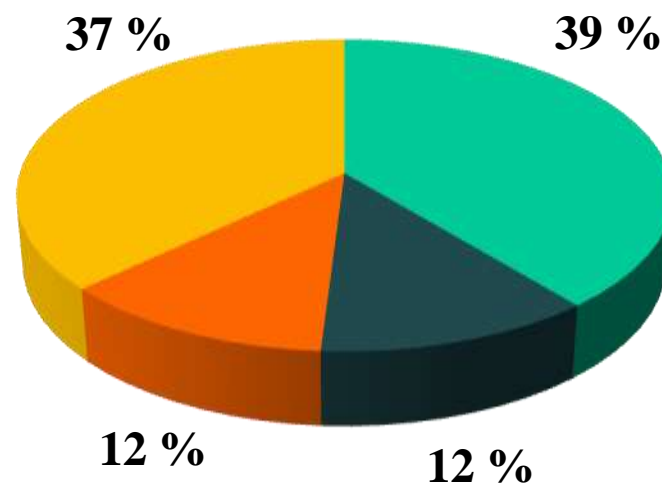
1984-1994

n = 215



2005

n = 51

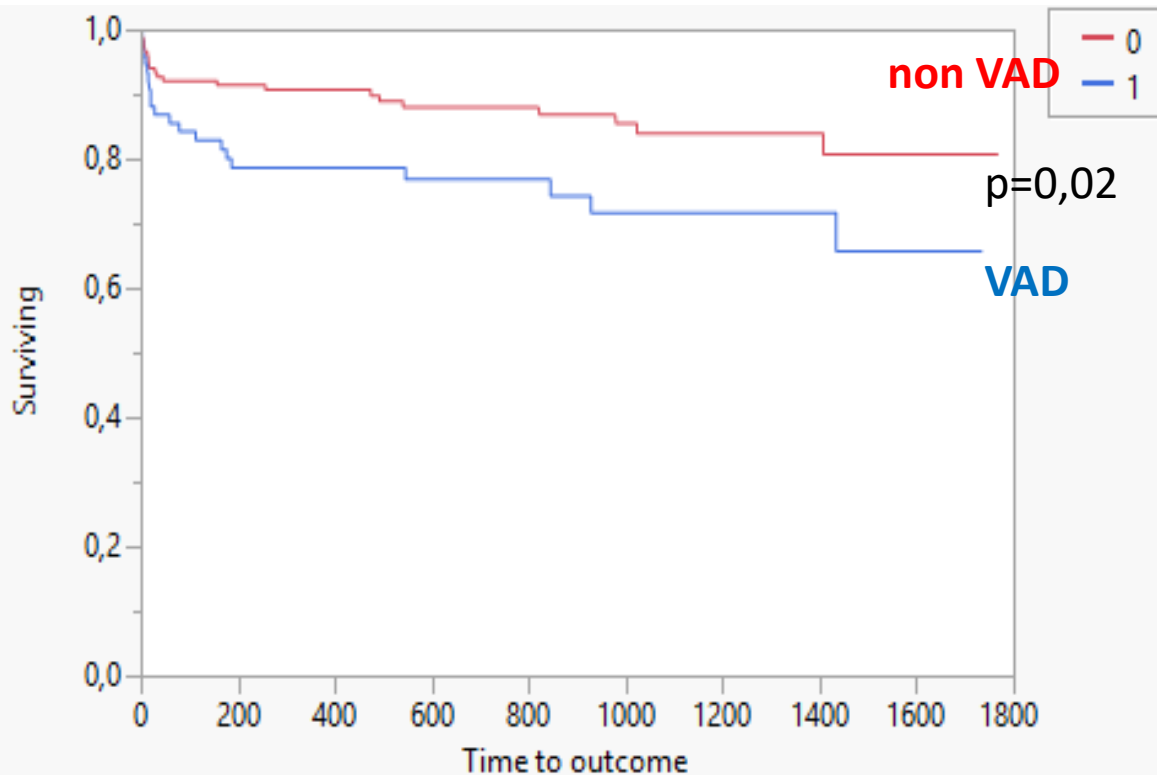


- transplantace
- zemřelo v čekací době
- VAD
- žijí

Mortalita na WL v roce 2016: 2,7%

# Přežívání po OTS z VAD vs non VAD

OTS	2012-2016	
celkem	234	
VAD	80	34%
non	154	66%



0= pac.po OTS bez mech.podpory  
1= pacienti po OTS z VAD (HM)

# TxS u dětí

- 31. 8. 1988 – 18. 4. 2017  
(od r. 2000 s FN Motol)
- No 28 (21 m, 7 f)
- Věk 5 měsíců až 18 let
- 30 denní mortalita 3
- Pozdní mortalita 4

# TxS pro VVV

- 4. 5. 1999 – 18. 4. 2017
- n=35 – 25 mužů a 10 žen
- 1x retransplantace za 12 let
- Věk 16 – 55 let
- 30 denní mortalita 3
- Pozdní mortalita 5
- Z toho 2x srdce + plíce († 10 a 8 let)