Nordic Thoracic Transplant Study Group

Participating Centres

Aarhus
Copenhagen
Gothenburg
Helsinki
Lund
Oslo
Stockholm
Nordic Thoracic Transplant Study Group

Aims for the Study Group

• Create a Nordic Database hosted by Scandiatransplant  Working
• Transferring data to ISHLT registry  Working
• Retrospective clinical studies and reports  Ongoing
• Prospective clinical studies  Ongoing
  (Two studies finished and published – NOCTURNE and NOCTET)
• Preparing Guidelines  Ongoing
  Pregnancy after transplantation
Number of transplants reported

Total 3928

Heart tx 2324
Lung tx 1478 (724 BL, 754 SL)
Heart-lung tx 126

31-dec-2009
Diagnosis - Heart transplantation

- IHD: 35%
- DCM: 46%
- Cong HD: 7%
- Valv HD: 3%
- Retx: 2%
- HCM: 2%
- RCM: 2%
- Misc: 3%

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Age/Gender distribution Heart (n=2324)

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Diagnosis Lung transplantation

SL tx

SL tx

BL tx

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Age/Gender distribution  SL and BL

SL  (n=754)

BL  (n=724)

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Diagnosis - Heart-Lung transplantation

Age/Gender distribution HL (n=126)

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Lung transplant procedure over time

Number of patients

- BL
- SL
- HL

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Survival after heart transplantation

5 years 72%
10 years 60%
20 years 30%

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Jan 2002 - Dec 2009
n=897
5 years 80%

Jan 1995 - Dec 2001
n=715

Nov 1983 - Dec 1994
n=713

p < 0.001

Years
Cumulative Survival
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Younger patients with better survival after heart transplantation

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Best survival after heart transplantation among patients with DCM

![Graph showing cumulative survival over years for different causes: DCM (n=937), Other (n=607), IHD (n=781). The graph indicates that patients with DCM have the highest survival rate at 15 years with 55%, followed by Other with 35%, and IHD with 30%. There is a significant statistical difference (p < 0.0001) between the groups.]
Gender differences after heart transplantation

- Female: n = 516
- Male: n = 1809

p = 0.27
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Survival after BL and SL transplantation

**Bilateral lung transplantation**
- Jan 2005 - Dec 2009
  - n = 355
- Jan 1998 - Dec 2004
  - n = 204
- Jan 1990 - Dec 1997
  - n = 165
- 10 years 57%
- 10 years 43%
- p = 0.003

**Single lung transplantation**
- Jan 2005 - Dec 2009
  - n = 184
- Jan 1998 - Dec 2004
  - n = 376
- Jan 1990 - Dec 1997
  - n = 193
- 10 years 40%
- p = 0.039

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Survival after lung transplantation: younger patients have better survival

![Graph showing survival rates by age group.](image)

- **< 47 yrs**, n = 504: 10 years 55%
- **48 - 56 yrs**, n = 509: 10 years 55%
- **> 57 yrs**, n = 164: 10 years 40%

p < 0.0001

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Gender differences after lung transplantation

![Graph showing cumulative survival rates for males and females after lung transplantation. The graph indicates no significant difference (p = 0.89) between the two groups. Male: n = 693, Female: n = 784.](image)

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Acknowledgement

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Transplant Coordinators
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Diagnosis - SL tx

- COPD: 53%
- Alpha-1: 22%
- Fibrosis: 13%
- Retx: 6%
- Misc.: 4%
- Sarcoidosis: 2%

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Diagnosis - BLtx

CF 22%
Sarcoidosis 4%
PPH 9%
COPD 22%
Fibrosis 12%
Misc. 12%
Alpha-1 18%
Retx 1%

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Lung transplant procedure over time

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