The Management of Breast Cancer in Elderly Patients; a Local Audit

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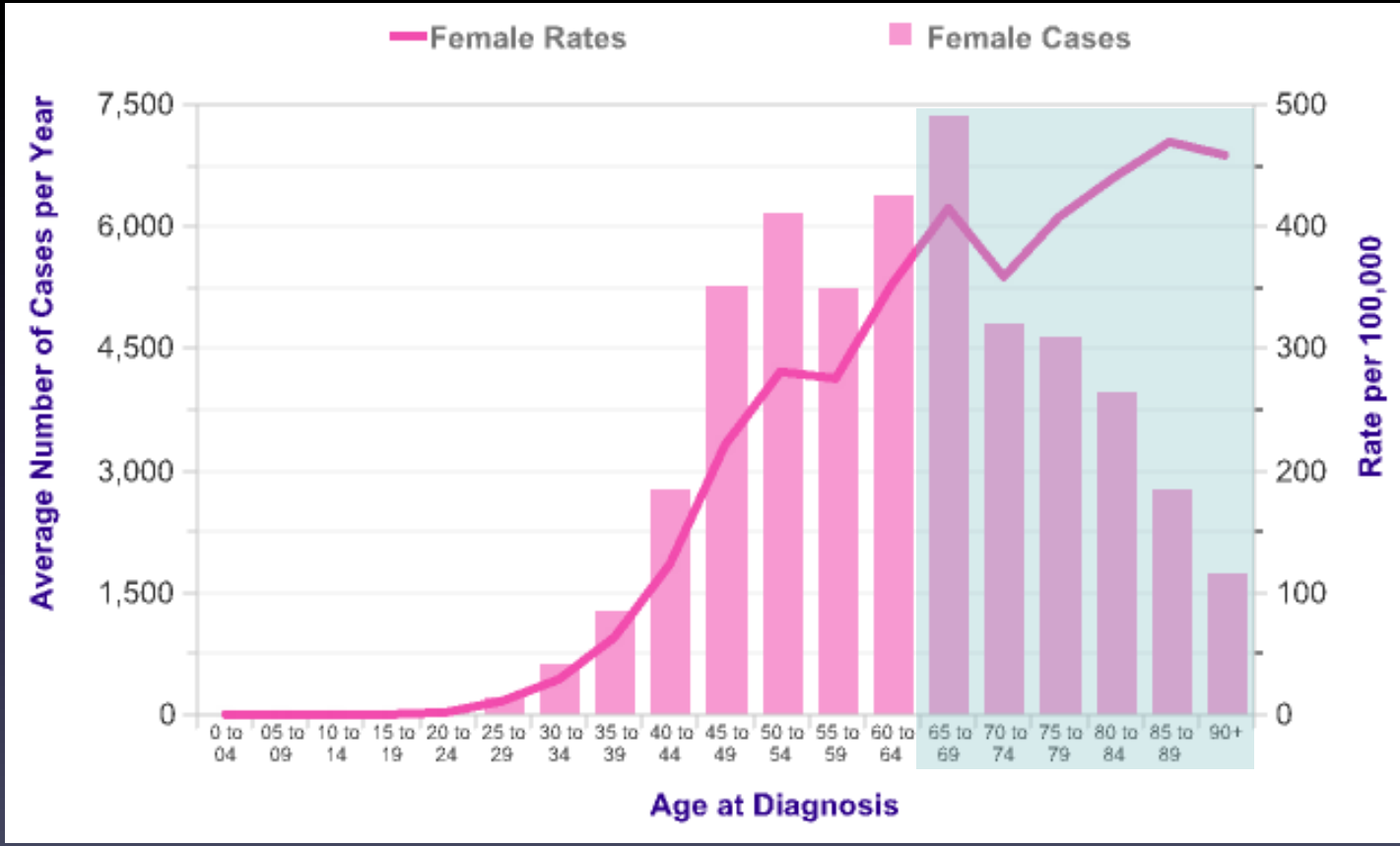
Peterborough and Stamford Hospitals NHS
NHS Foundation Trust

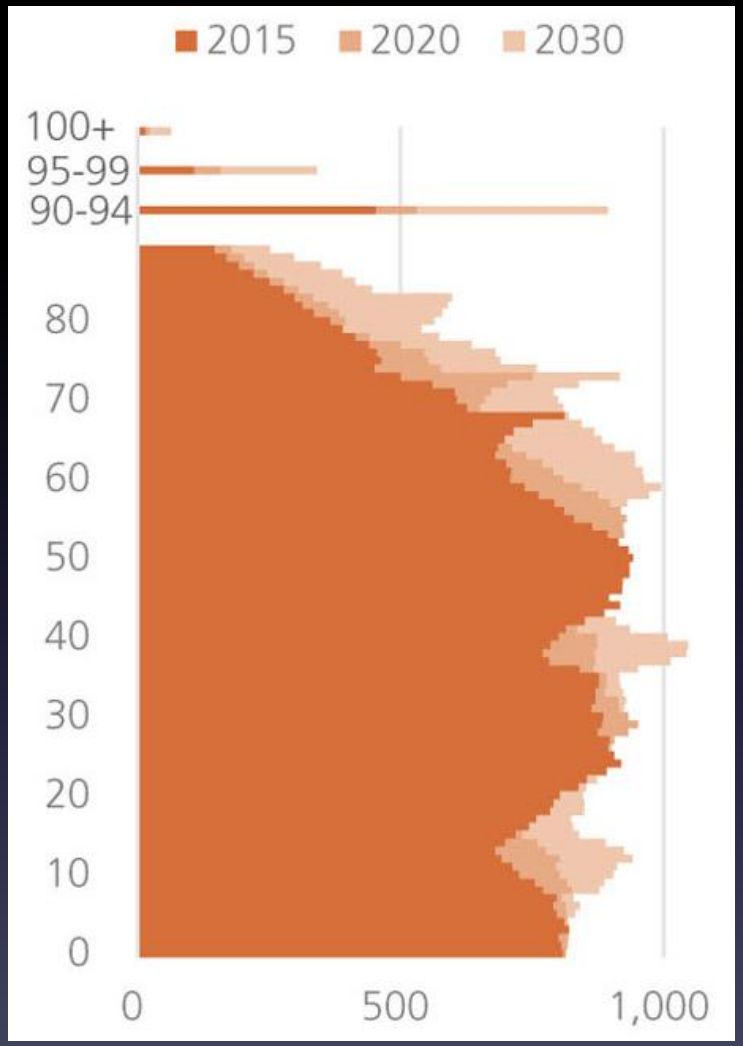
Introduction

Breast Cancer Incidence



Cancer Research UK, 2014

Projected Population Growth



Parliament UK, 2015

Primary Endocrine Therapy (ET)

- > 70 — 42% (Wyld 2004)
- > 80 — 55% (Monypenny 2003)

- No documentation of co-morbidity (Wyld 2004)

Methods

- Source data:
  - Newly Diagnosed Breast Cancer
  - Period: 2011 – 2015
- Inclusion criteria:
  - Age: >75

Methods

- Sources reviewed:
  - Clinic Letters
    - Surgical
    - Anaesthetic
    - Oncology
  - Histology Reports
  - Patient tracking system
  - Operation notes

Methods

- Data collected:
  - Patient Demographics
  - Pathology
  - Co-morbidities

Methods

- Data Collected:
  - Treatment
    - Surgery
    - Endocrine
    - Radiotherapy
    - Chemotherapy
  - Follow up
    - Complications
    - Mortality

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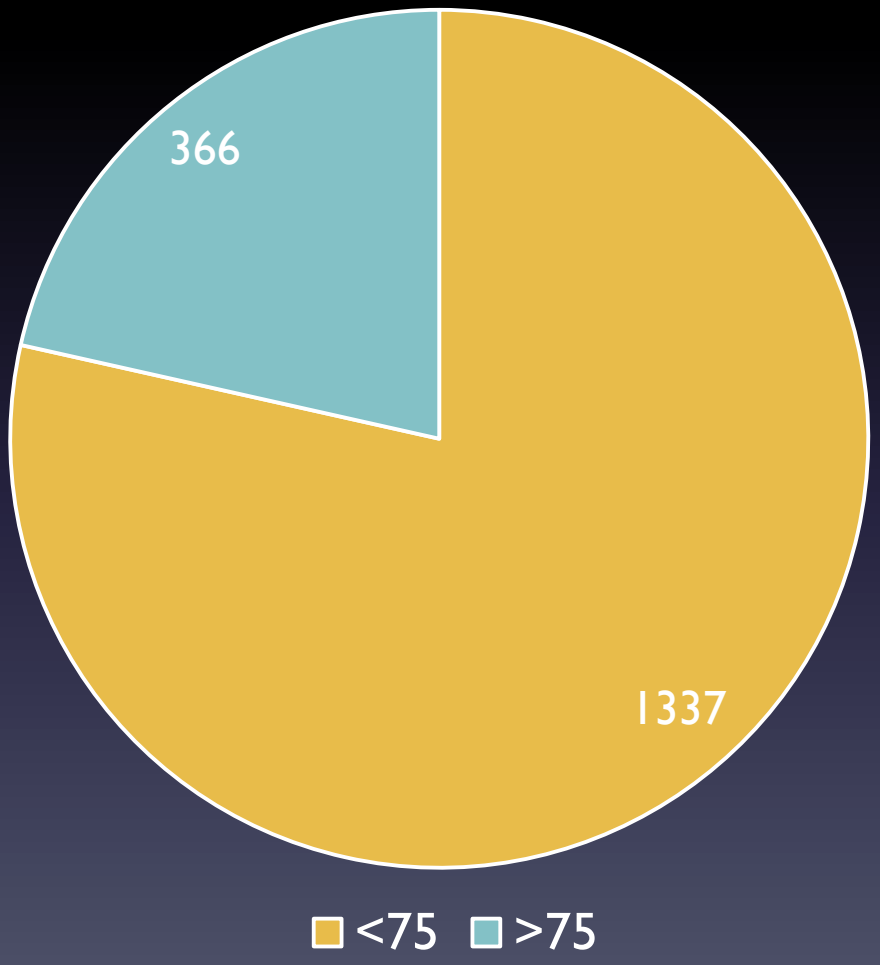
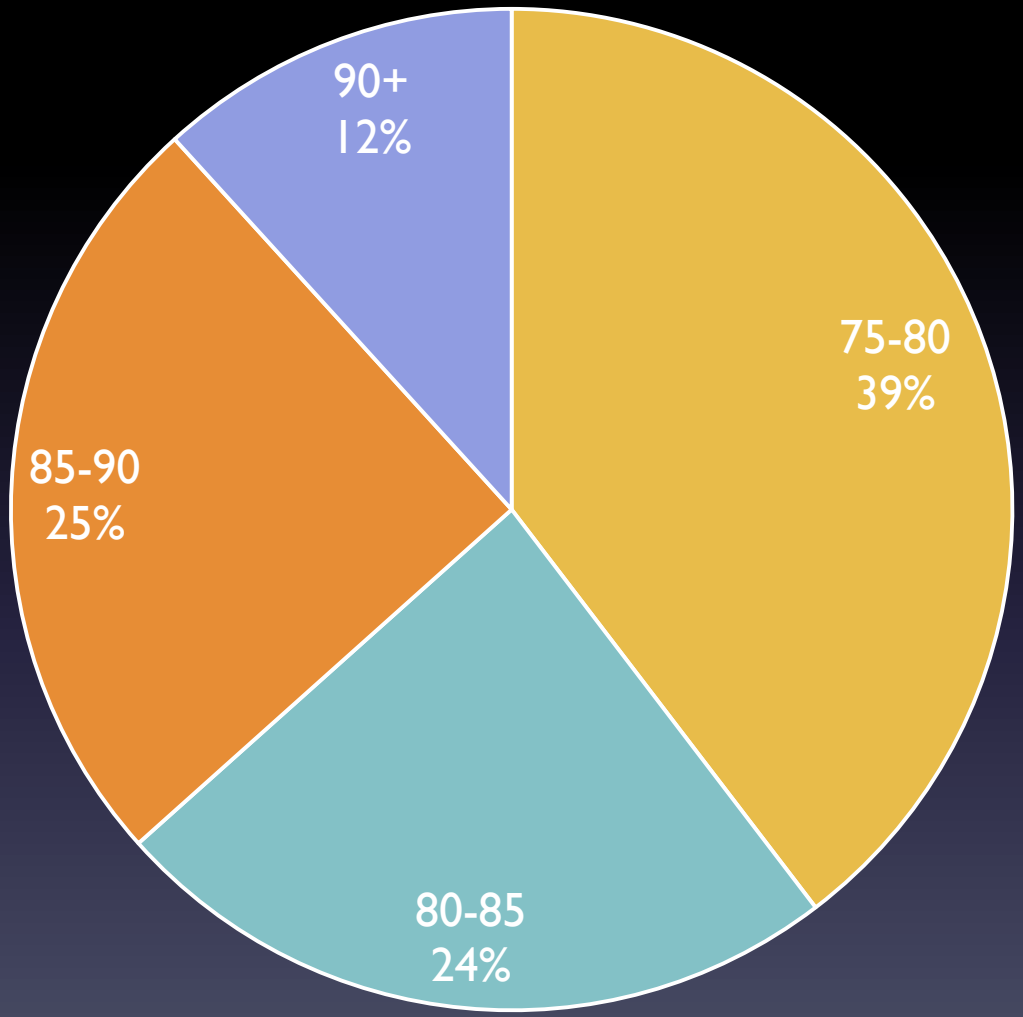
Newly Diagnosed Breast Cancers
2011 - 2015

Total 1703



Age Distribution

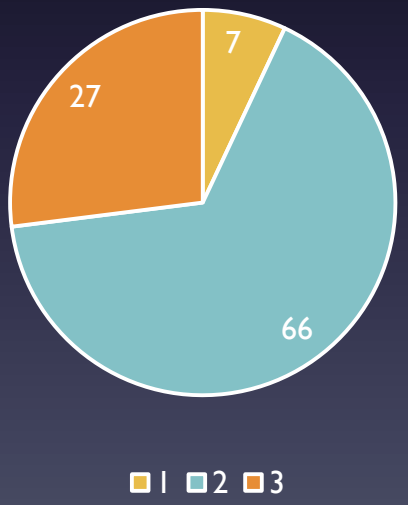


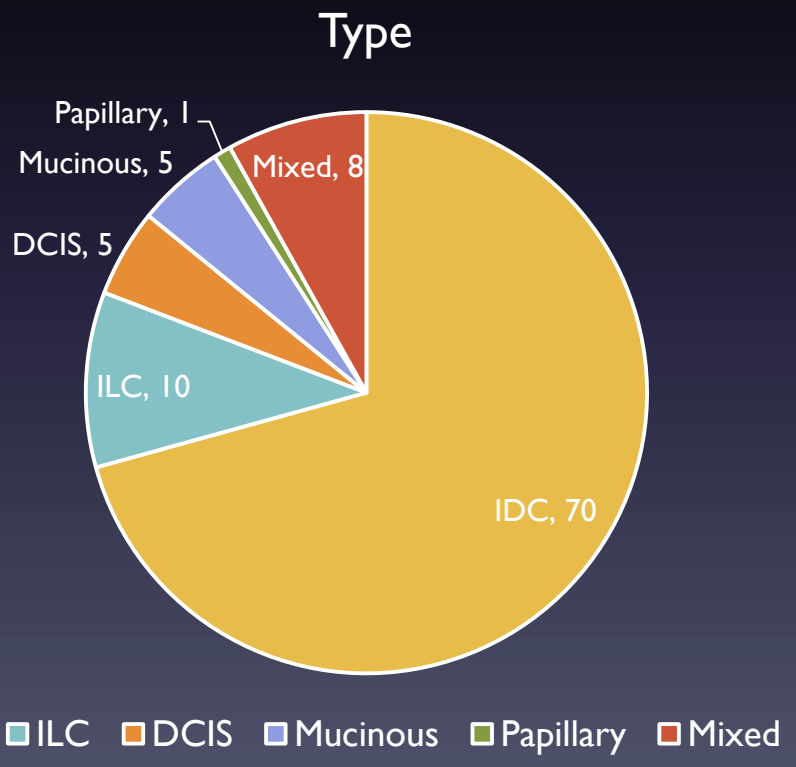
Results

- Demographics
  - Cohort: 366 (4 M)
  - Mean age: 83 (75-102)
  - Median follow up: 32 months (0-70)
  - Median co-morbidities: 1 (0-9)
  - Symptomatic presentation: 93%

Results

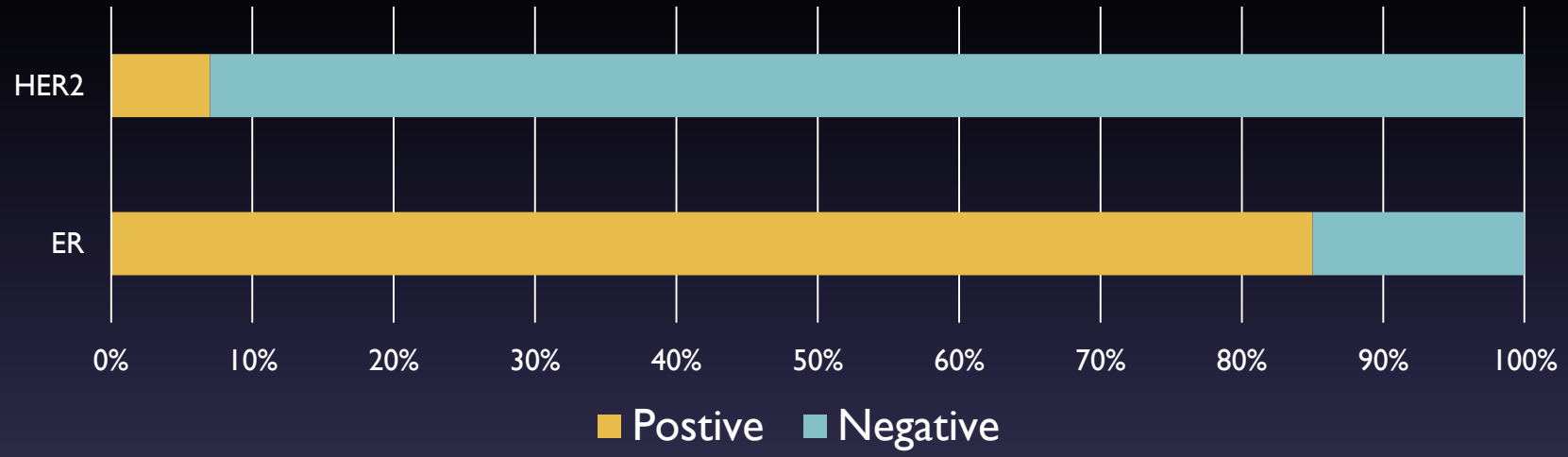
- Histology
  - Mean size: 29mm (1-160mm)
  - Laterality: L : R 49% : 48%; 3% BL





Results

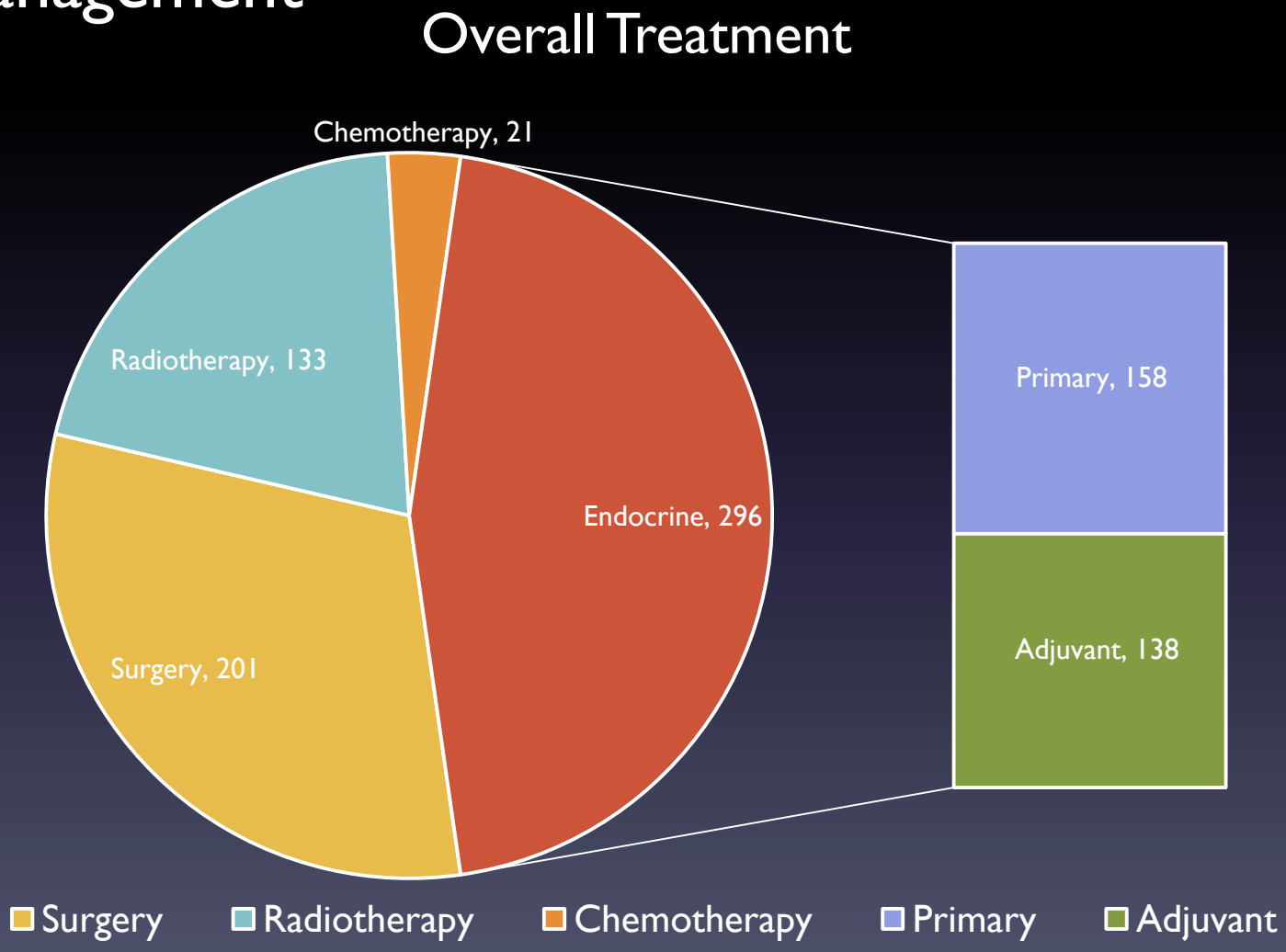
- Endocrine status



- Nodal status
  - 40% positive

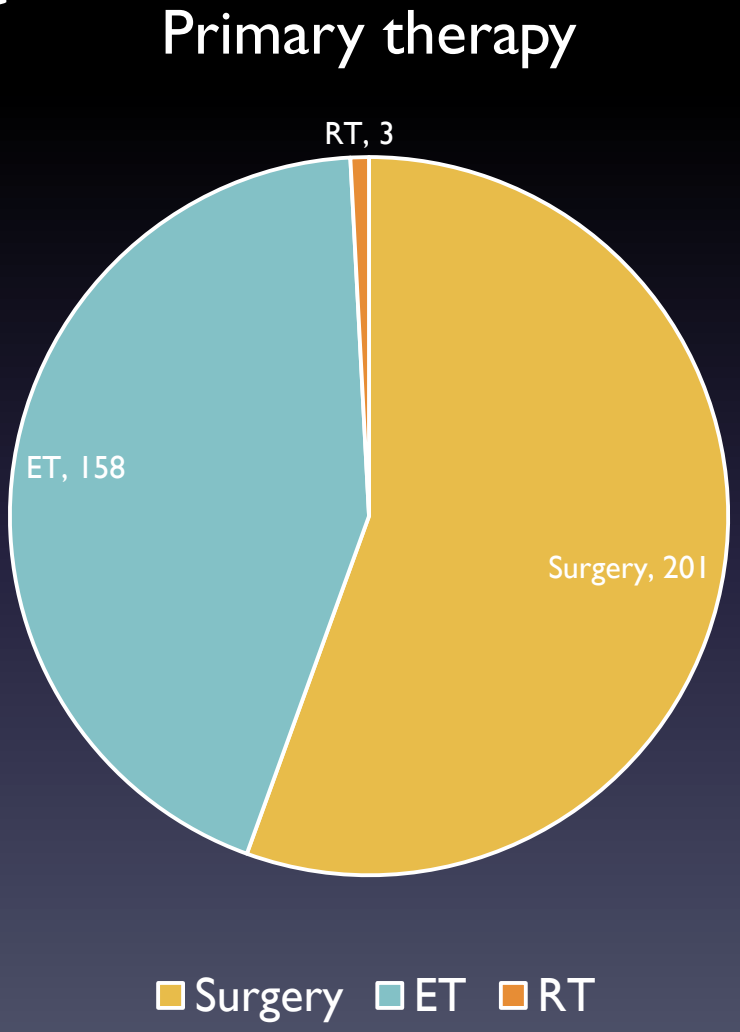
Results

- Management



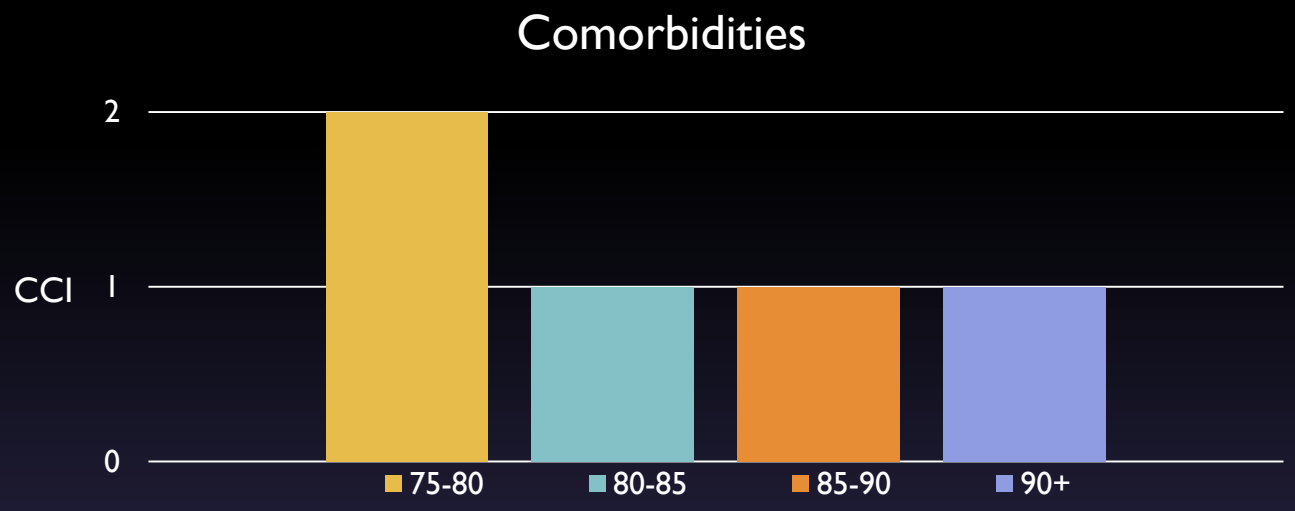
Results

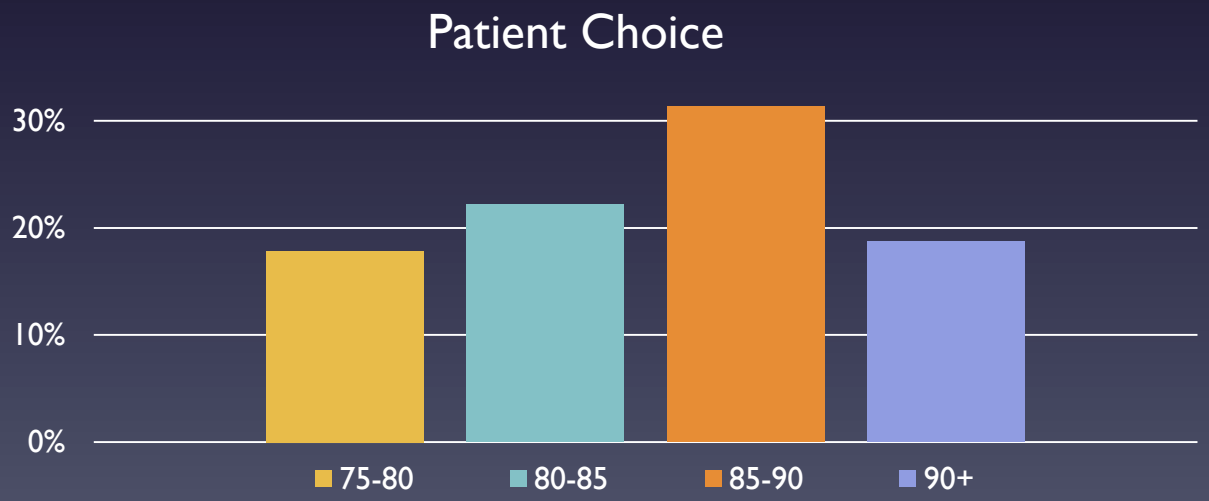
- Management



Management

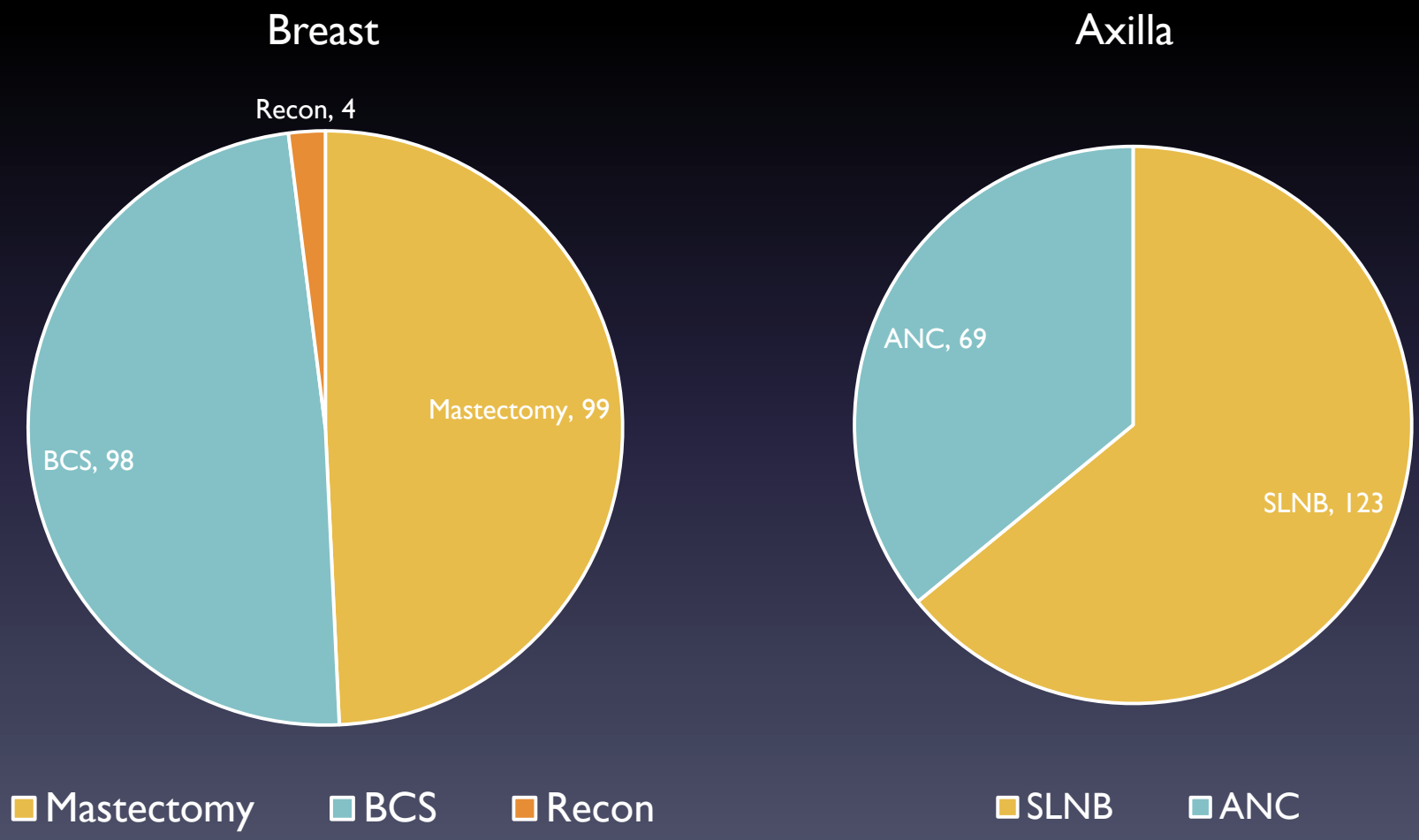
- ET





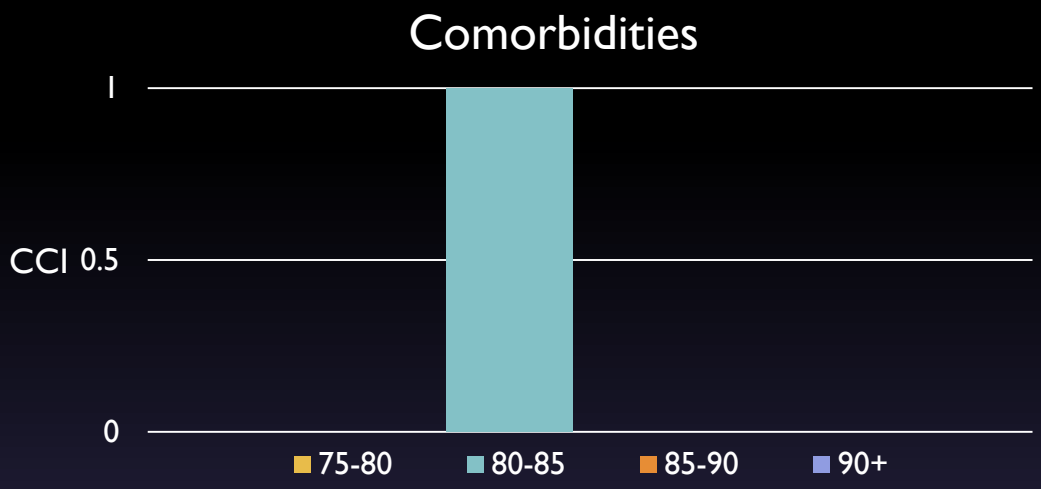
Management

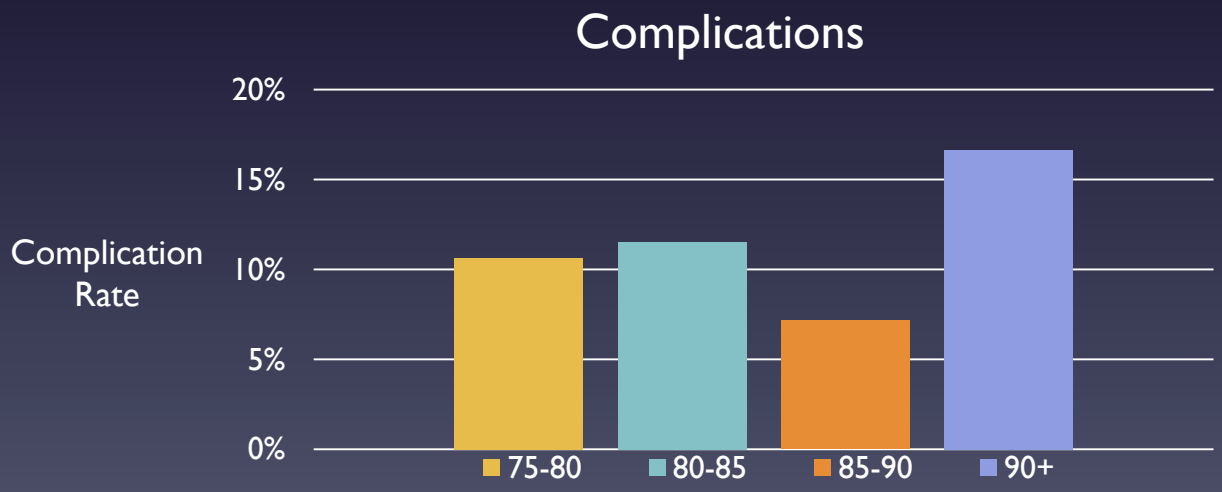
- Surgery



Management

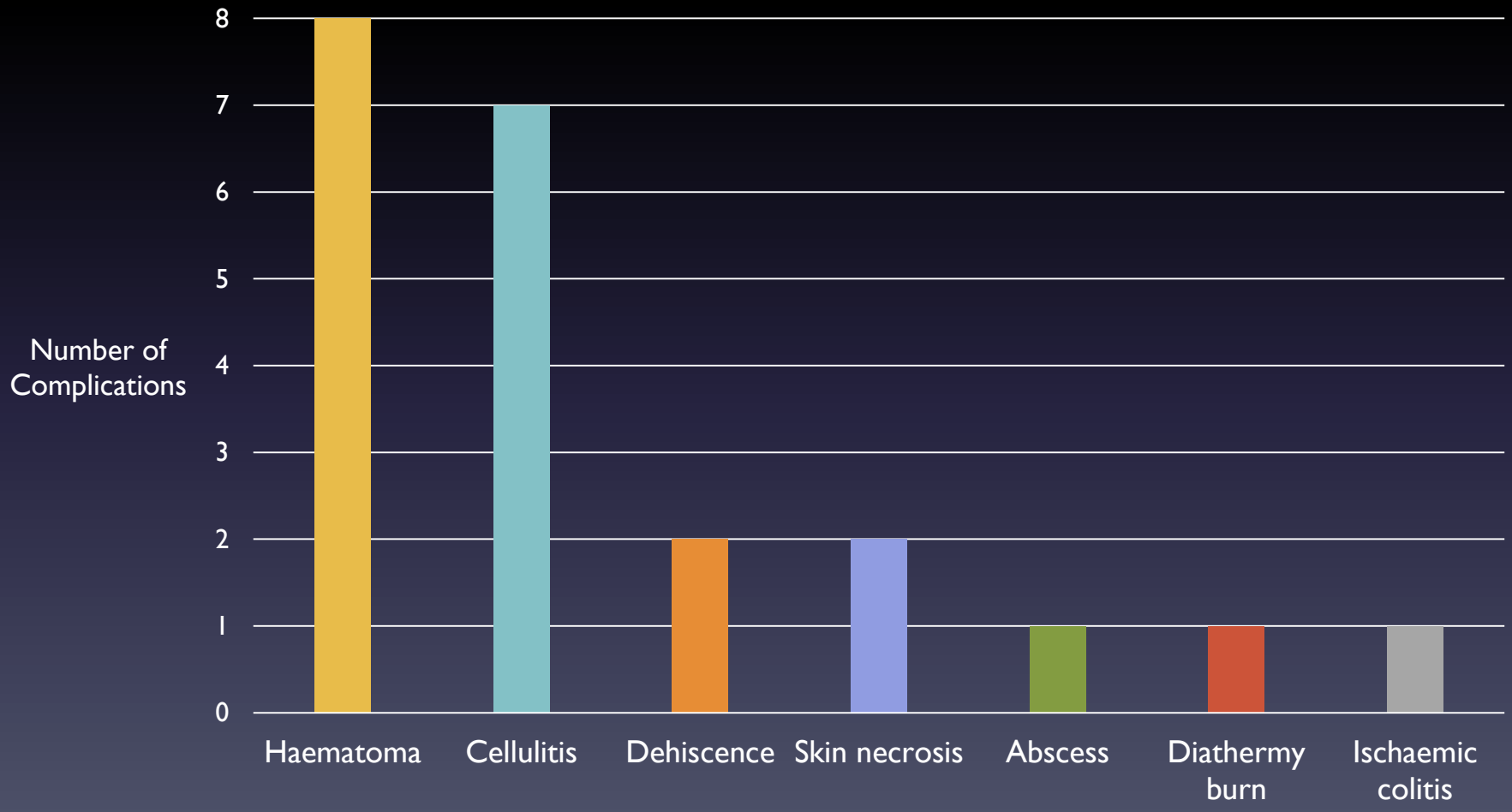
- Surgery





Management

- Surgical Complications



Reconstruction

- 4 patients
- 75 - 80
- Implant
- Median comorbidities: 0
- Complications: 0

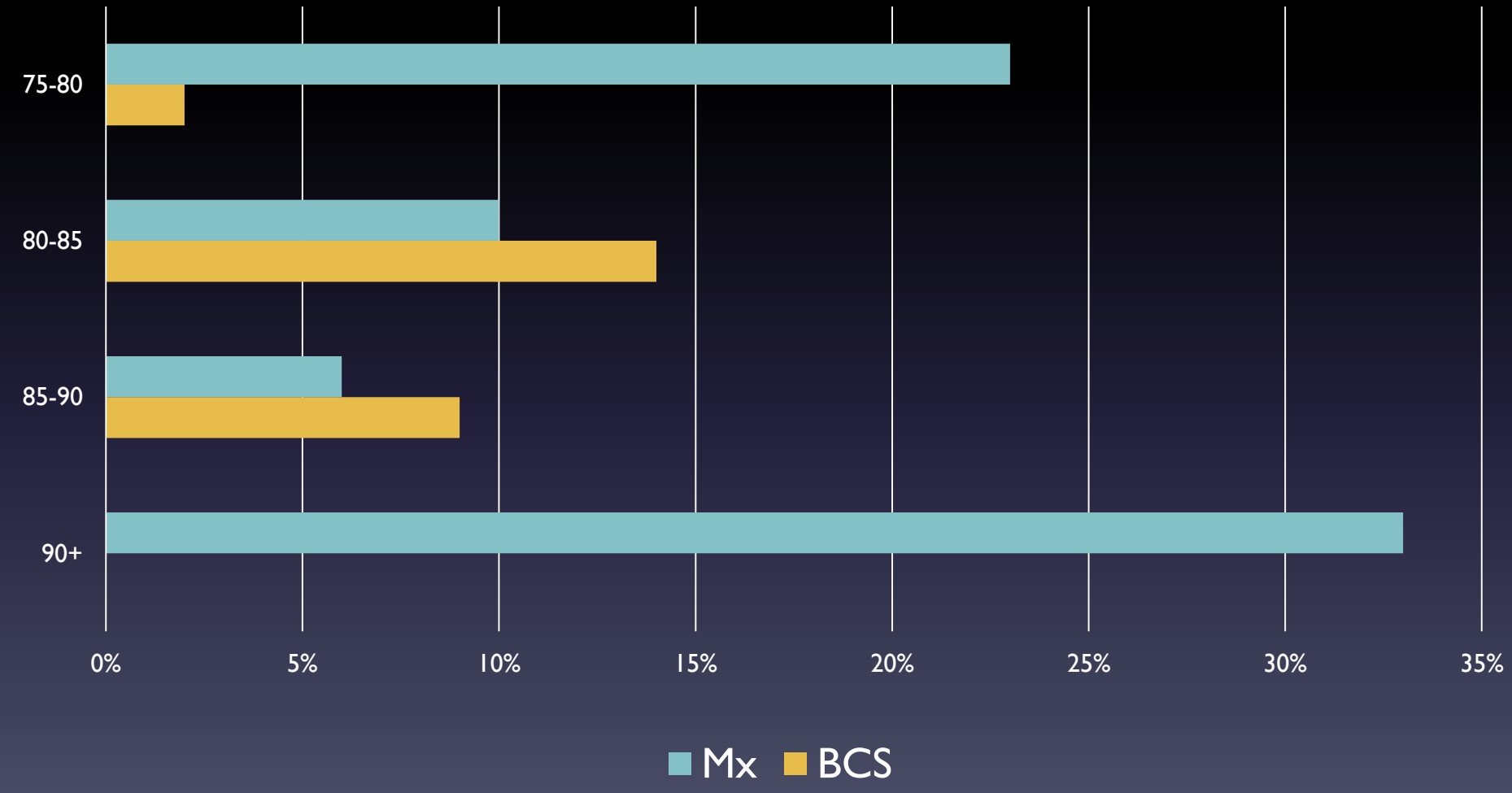
Prognosis

- Local Recurrence: 1
- Failed endocrine treatment: 1
- Median survival: 35 months (0-70)
- Mortality rate: 21%
  - Surgical 8%
  - Endocrine 13%

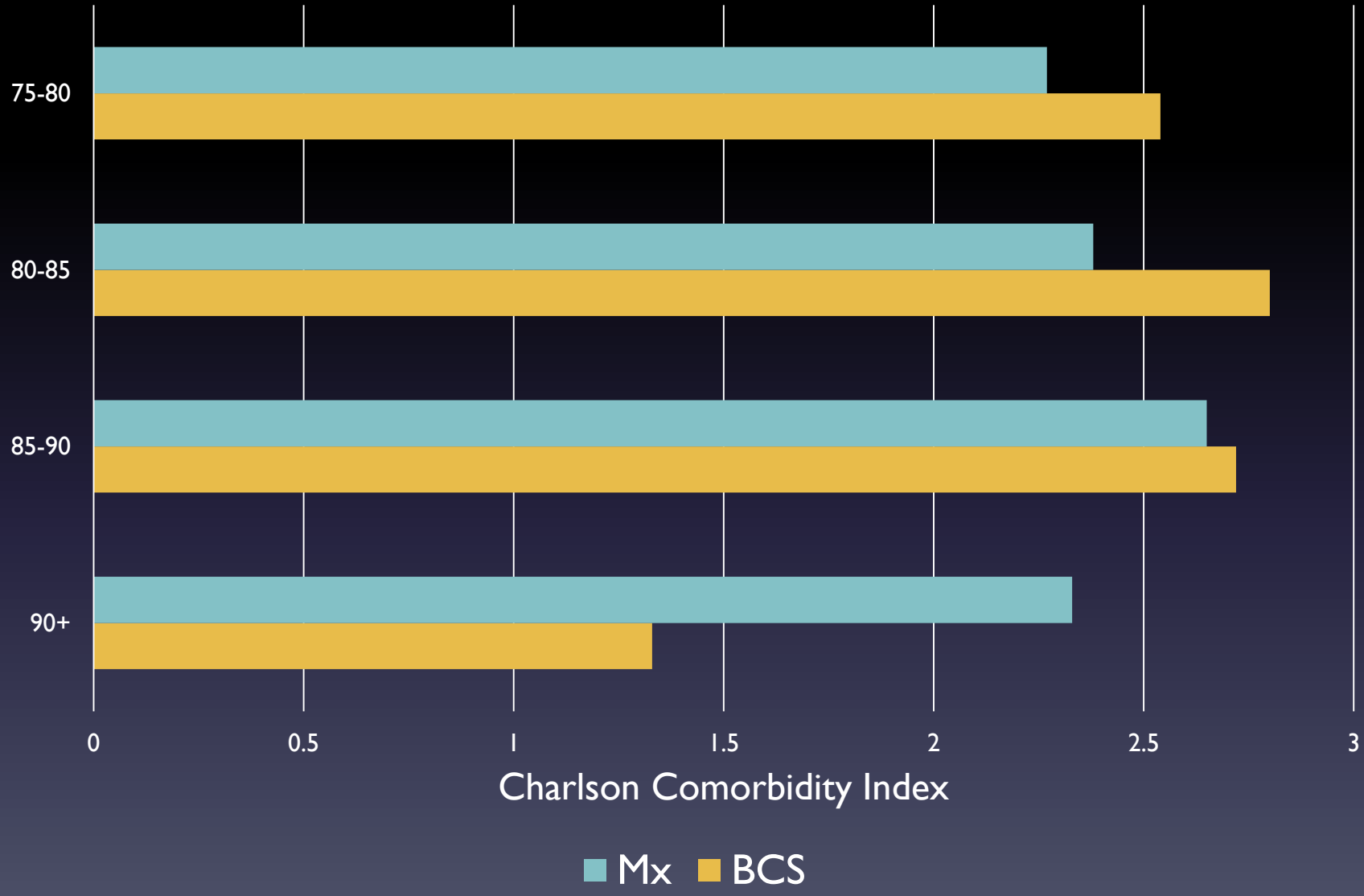
Subanalysis

BCS vs Mx

Complication Rate



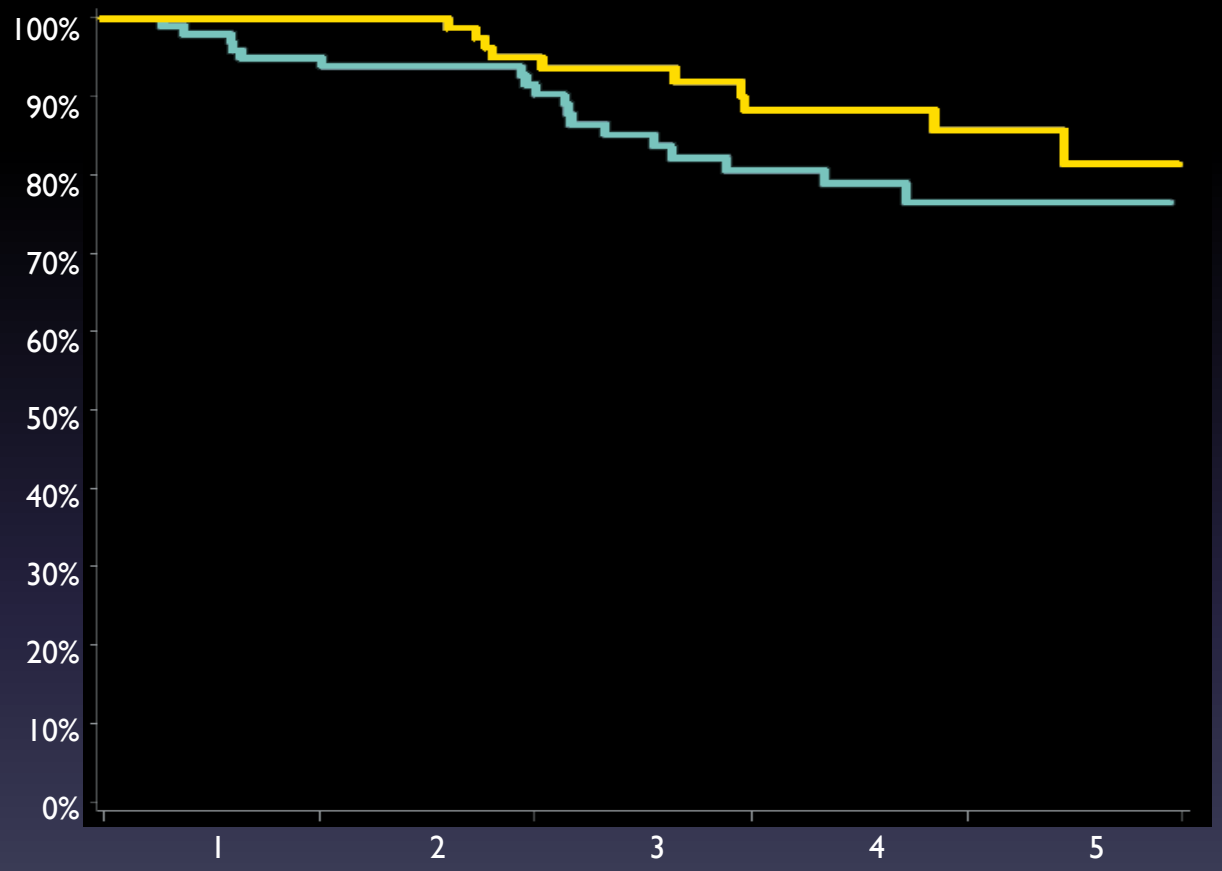
Comorbidities



Kaplan Meier Survival Curve

All Cause Mortality

BCS vs Mx



5 year survival
BCS: 81%
Mx: 77%

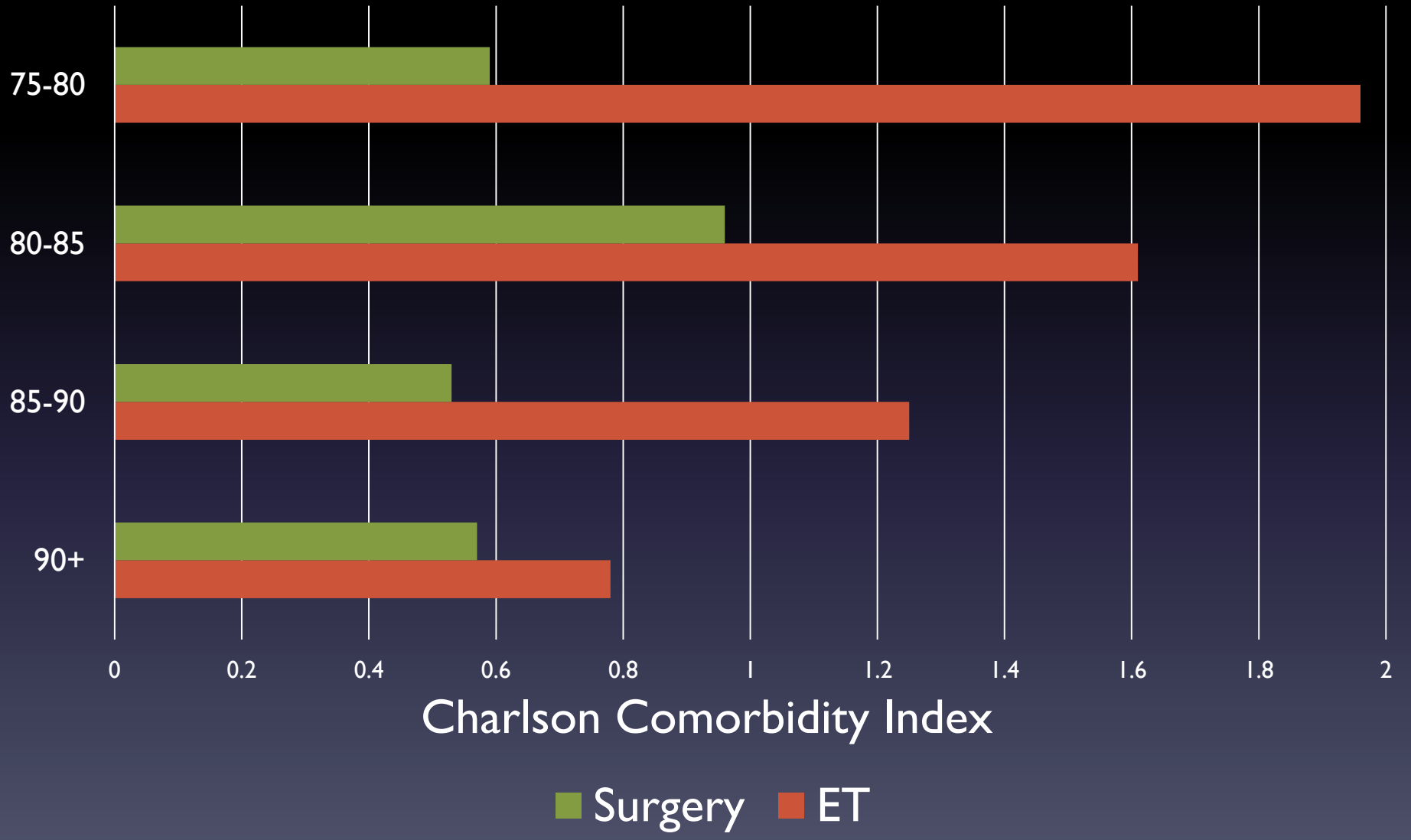
P=0.14

Subanalysis

Surgery vs ET

Comorbidities

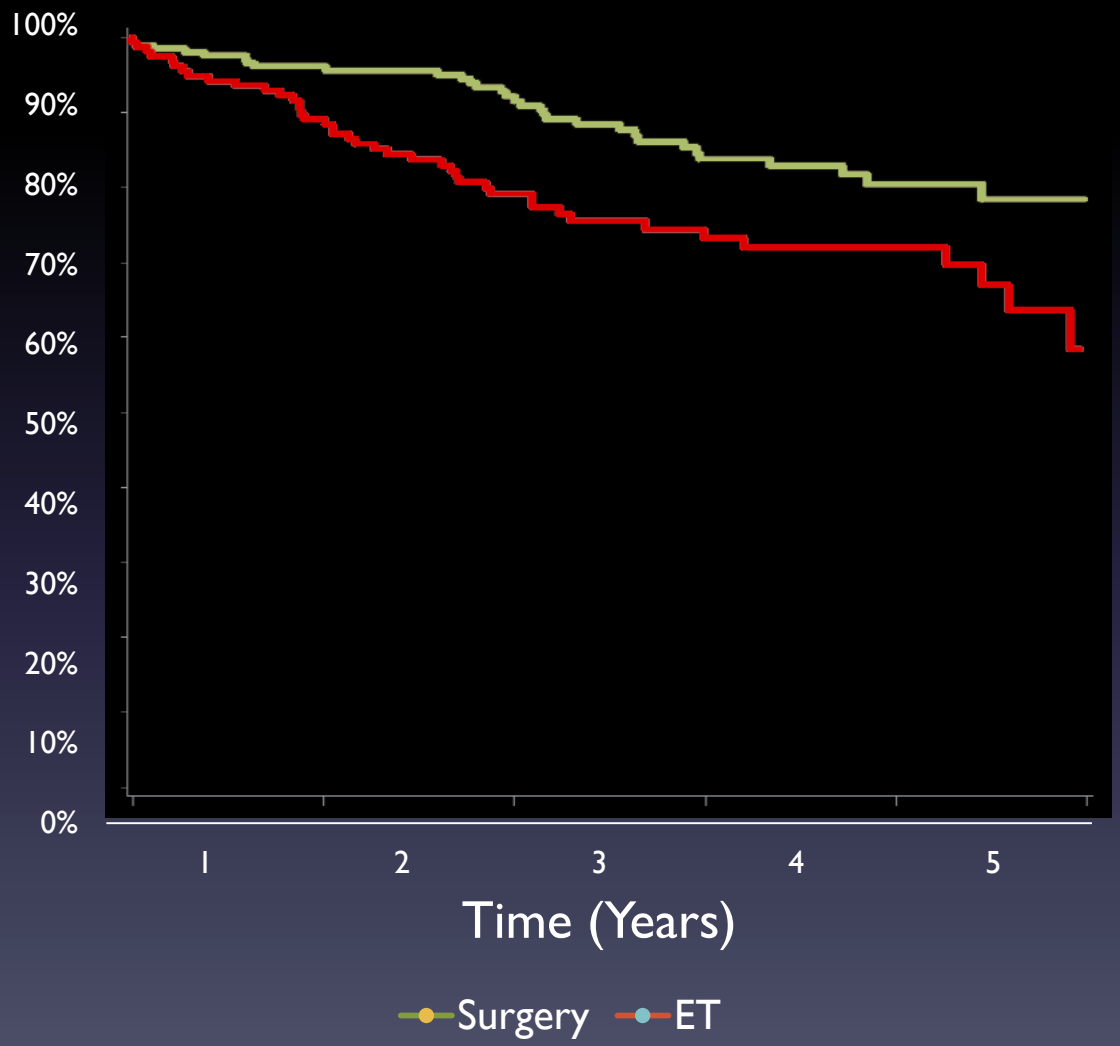
Surgery vs ET



Kaplan Meier Survival Curve

All Cause Mortality

Surgery vs ET



5 year survival
ET: 58%
Surgery: 78%

P=0.002

Conclusions

- Surgery vs ET
  - Fitter
  - Increased complications >90
  - Survival Benefit
- Mx vs BCS
  - More complications
- MDT approach