

Background on CLTI

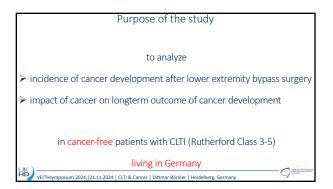
Treatment endpoint in the Tx of CTLI is amputation free survival ¹

Leading cause of mortality in pat. with CLTI is cardiovascular death ²

Population based studies report cancer incidence of 16% ³

PAOD patients are more frequently smokers > potentially higher risk for cancer

Cancer incidence after revascularization is unknown

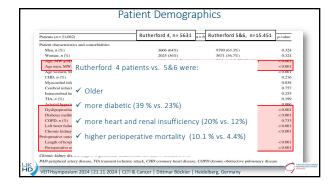


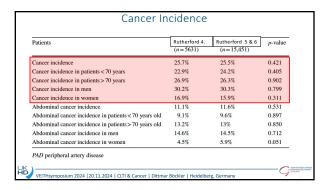
Material & Methods

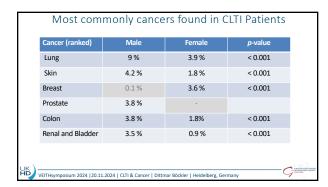
- Retrospective secondary analysis based on anonymized data from the largest health- insurance company in Germany (AOK, market share 37%).
- 21.082 patients with CLTI underwent infrainguinal bypass surgery
- Enrollment between January 2010 and December 2015
- All patients were initially cancer free
- · Endpoints: malignancy incidence after BP surgery and survival
- Comparison between Rutherford Category 4 and Category 5 & 6

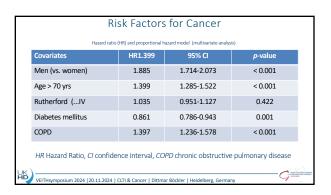


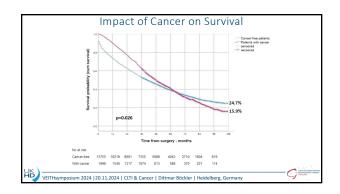
Limitations of this study National study (Germany) - not transferrable to other countries Results not necessarily representative for entire Germany because data reflect patient characteristics of one health insurance company (social structure) Completeness of data sets depends on coding quality Causes of death, amputation rates and cancer stages could not be determined No data on endovascular preocedures available

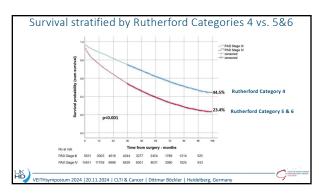












Summary of Results

- 26 % developed cancer after a FU period of 9 years
- Significant higher incidence in male (30 %) compared to female (16 %)
- Rutherford 4: No difference between cancer & cancer-free survival @ 32 mths.
- Better survival of Rutherford 4 compared to Rutherford 5&6 (45 % vs 23.4%)
- Cancer-free Rutherford 4 pat. showed better survival than with cancer (47 vs.30%)
- Rutherford 5&6 showed no difference in survival between cancer and cancer

VEITHsymposium 2024 | 21.11.2024 | CLTI & Cancer | Dittmar Böckler | Heidelberg, Germany

Conclusions

- Cancer incidence after BP Surgery for CLTI is 26%
- Gender matters: men have higher cancer incidence than women
- Most common is lung cancer potential relationship to smoking
- Cancer affects longterm outcome with significant lower survival rate in Rutherford 5 & 6 patients

