

1 Introduction

Lung cancer is one of the leading medical problems worldwide with approximately 1.4 million deaths per year [1]. Surgery is usually the first choice in treating localized non-small cell lung cancer (NSCLC). However, in recent years stereotactic body-radiation therapy with photons (SBRT) showed very promising results, with high local control-rates of NSCLC [1].

Cancer is one of the leading world cause of death, with 1.4 million deaths each year. Lung cancer has the highest death rate, where just in Germany 1.8 Million died in 2015. Leading course of treatment used to be surgery, however radiotherapy shows promising results.

References

- [1] H. Alasti, Y. B. Cho, A. D. Vandermeer, A. Abbas, B. Norrlinger, S. Shubbar, and A. Bezjak. A novel four-dimensional radiotherapy method for lung cancer: imaging, treatment planning and delivery. *Physics in Medicine and Biology*, 51(12):3251–3267, Jun 2006. DA - 20060607 IS - 0031-9155 (Print) IS - 0031-9155 (Linking) LA - eng PT - Evaluation Studies PT - Journal Article PT - Research Support, Non-U.S. Gov't SB - IM.