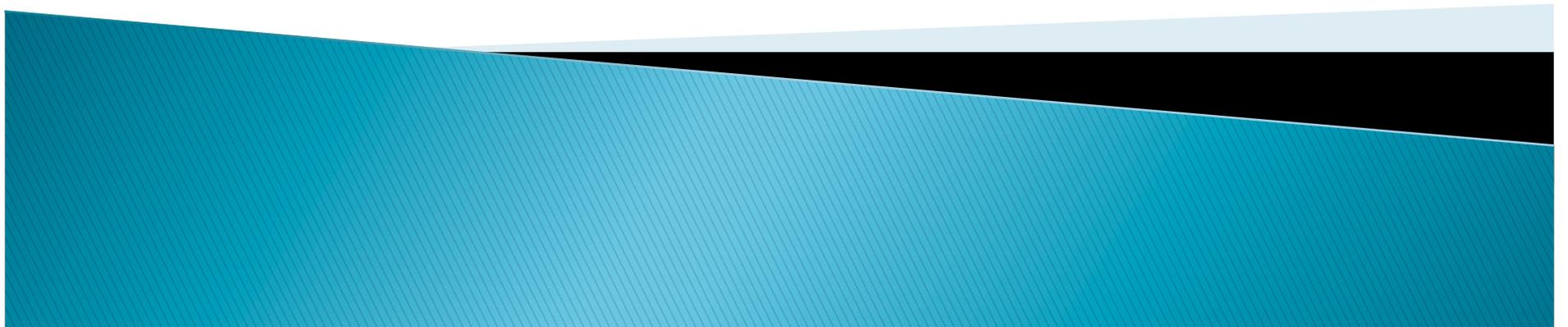


A Review of Non-Small Cell Lung Cancer Post-Treatment Follow-up Imaging Procedures with PET/CT Scans Versus CT Scans and the Effect on Patient Survival

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EXCEPTIONAL HEALTHCARE. EXCEPTIONAL PEOPLE.

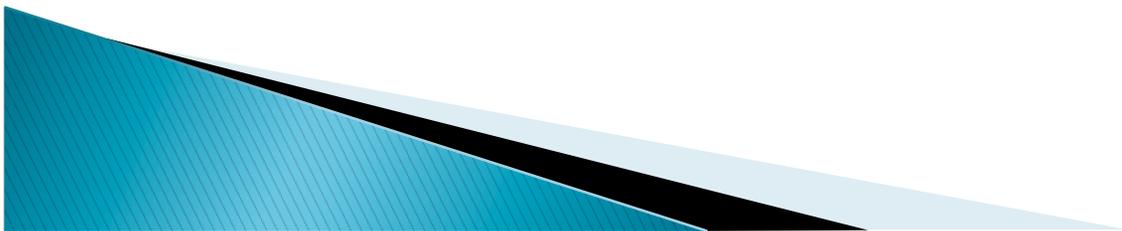


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Background

- ▶ NCCN guidelines do not recommend PET/CT scans in routine follow-up
- ▶ Costs vary depending on location
 - In the Washington D.C. region a PET/CT ranges in cost from \$1500 to \$3900. A CT scan ranges from \$500 to \$1300
- ▶ PET scans more effective in detecting recurrences
- ▶ Unclear if PET scans in follow-up improve patient survival



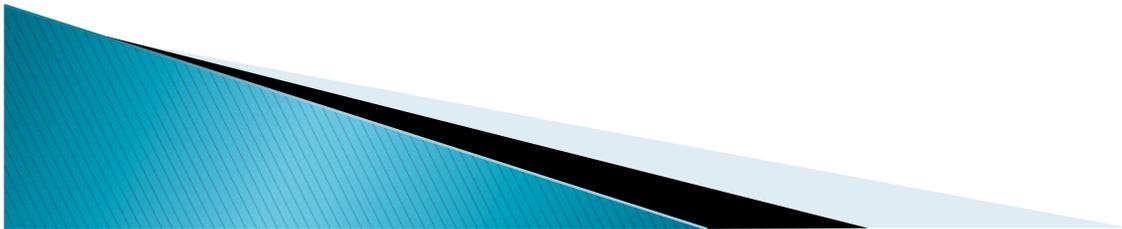
Objectives

- ▶ Primary goal: Determining if the use of PET scans in follow-up affects patient survival compared to CT scan only imaging.
- ▶ Secondary goals:
 - Compare and Contrast PET scan and CT scan effects on:
 - Local Control rates
 - Progression Free survival
 - Cancer Specific survival
 - Time to recurrence
 - Evaluate practice differences in ordering surveillance imaging



Challenges

- ▶ Learning the medical terminology
- ▶ Understanding the anatomy
- ▶ First time working through the process
- ▶ Currently learning to understand PET and CT scan results



Classroom Experience

- ▶ Statistics courses provided the most help
- ▶ Utilized knowledge from a variety of courses
 - English
 - Writing
 - Communication
 - Biology/Anatomy



Moving Forward

- ▶ Gathering data
- ▶ Statistical Analysis
 - Survival Curves
 - Local Control
 - Progression Free Survival
 - Cancer Specific Survival
 - Hazard Ratios



Experience Gained

- ▶ Developing the protocol
- ▶ Understanding the process of conducting research
- ▶ Submitting to a review board
- ▶ Discovered an appreciation for research



Any Questions?



Resources

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- ▶ 12. Key Statistics about Lung Cancer. Atlanta, Georgia: American Cancer Society; 2015.
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