

# PROTON THERAPY

A BETTER OPTION FOR CANCER PATIENTS

## WHY OKLAHOMA PROTON CENTER?

Proton therapy is the treatment of choice for many solid cancers at the country's top cancer centers. Protons reduce radiation to healthy tissue which decreases the risk of side effects compared to other types of radiation treatment. (Clinical Data provided on the back.)

Oklahoma Proton Center is one of just two proton centers in Oklahoma. It has an experienced clinical team having treated over 5,000 patients since opening. The clinicians at the center provide a comprehensive approach to care, working collaboratively with different specialists to optimize treatment regimens for patients.



OKLAHOMA  
PROTON • CENTER

## ALL STUDIES COMPARE PROTON THERAPY TO PHOTON BASED RADIATION (E.G. IMRT)

### PROSTATE <sup>1</sup>

91% Reduction in second cancer rates at 10+ years (10.9% vs. 1.0%)

12% increase in overall survival rate at 10 years (80.2% vs. 71.3%)

ok

### HEAD & NECK <sup>5,6,7</sup>

58% reduction in 2nd cancers

59 - 83% reduction in rate of feeding tubes (various sites)

ok

### LUNG <sup>2,3</sup>

75% reduction in Grade 3+ pneumonitis (Stage III)-

37% increase in 5-year survival (Stage II and III)

ok

### ESOPHAGEAL <sup>9,10</sup>

56% reduction in total toxicity burden (multiple side effects)

79% reduction in post-op mortality

ok

### BREAST <sup>5</sup>

38% reduction in 2nd cancers at 5+ years

Significant (up to 95%) reduction in radiation to the heart

ok

### MULTIPLE CANCERS <sup>4,5</sup>

69% reduction in Grade 3+ adverse events with concurrent chemo

69% reduction in 2nd cancers (450k patients; 5.1 yr. median follow up)

ok