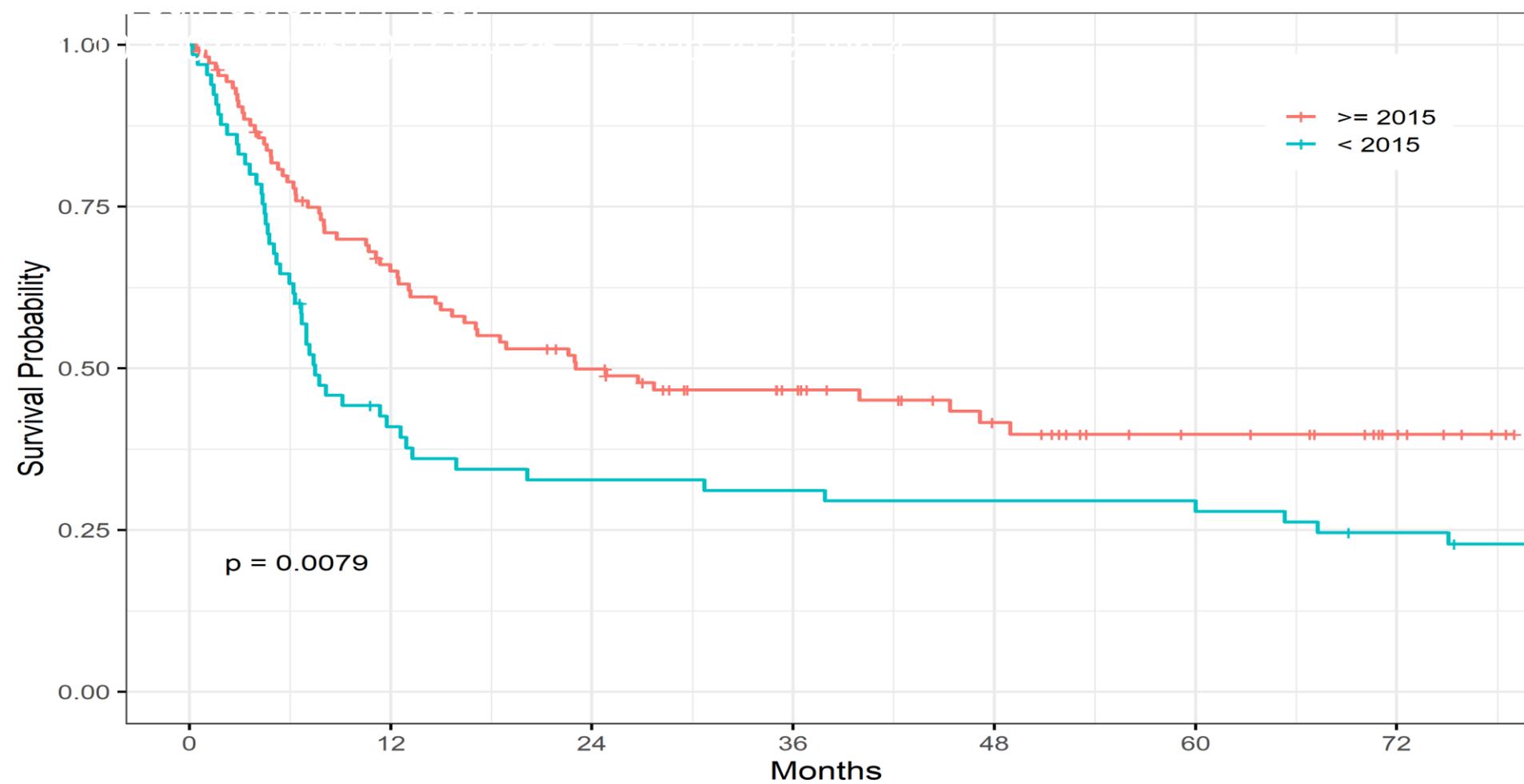


# BRAIN METS MANAGEMENT: REGISTRIES AND AUTOMATION FOR LONGITUDINAL ASSESSMENT

**Presentation Title:** Brain Metastases Outcome Data for Patients with Significant Survival Improvements



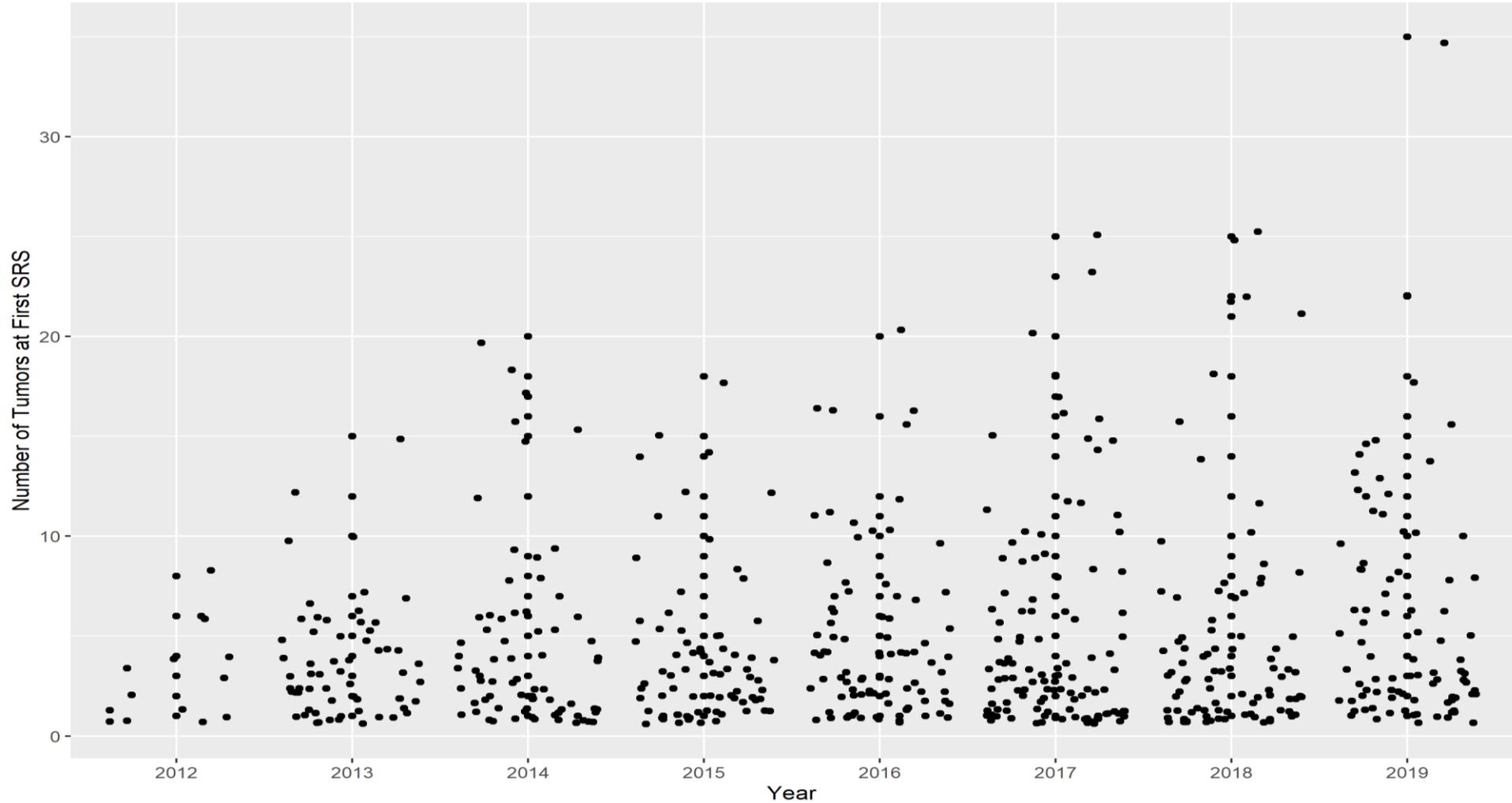


# INCREASED SURVIVAL AFTER THE WIDE SPREAD ADAPTION OF TARGETED THERAPIES IN MELANOMA PATIENTS.

[Reference: Significant survival improvements for patients with melanoma brain metastases: can we reach cure in the current era?](#)

A Berger, K Bernstein, JD Alzate, R Mullen, JS Silverman, EP Sulman, ...

Journal of Neuro-Oncology, 1-10



**NSCLC PATIENTS TREATED AT NYU LANGONE WITH SRS. WITH TIME, PATIENTS WITH INCREASING WORSE DISEASE CHOOSE SRS INSTEAD OF WBRT OR HOSPICE.**

# OUTCOMES

- 1) SURVIVAL
- 2) LOCAL CONTROL
- 3) DISTANT BRAIN FAILURE OR BRAIN MET VELOCITY
- 4) LEPTOMENINGEAL DISEASE
- 5) QUALITY OF LIFE METRICS

# LEARNING OBJECTIVES:

1. UNDERSTAND THE CLINICAL LANDSCAPE OF RADIATION THERAPY WITH REGARD TO LONGITUDINAL MANAGEMENT OF BRAIN METASTASIS: WHAT ARE PHYSICIANS CONCERNED ABOUT? *WENYIN SHI, MD, PHD – THOMAS JEFFERSON*

2. LEARN ABOUT THE DEVELOPMENT, DESIGN, FUNCTIONALITY, AND ORGANIZATION OF A NATIONAL, PROSPECTIVE STEREOTACTIC RADIOSURGERY REGISTRY. *DAVID SCHLESINGER, PHD – UVA*

3. UNDERSTAND TECHNIQUES AND ISSUES REGARDING THE INTEGRATION OF THE HOSPITAL EMR WITH OTHER INFORMATION SYSTEMS AND TECHNIQUES FOR CLINICAL RECORD DATA MINING FOR CROSS-DEPARTMENTAL BRAIN METASTASIS MANAGEMENT. *HUI LIN, PHD – UCSF*

4. UNDERSTAND AI-ENABLED TOOLS THAT CAN AUTOMATED BMS DELINEATION AND DOSIMETRY TRACKING. *XUEJUN GU, PHD - STANFORD*

5. DETAIL PARTICULAR CONCERNS IN TREATMENT PLANNING FOR MULTI-COURSE BRAIN METASTASIS TREATMENT, AS WELL AS IMPORTANT UNCERTAINTY PARAMETERS. *TAORAN LI, PHD - UPENN*