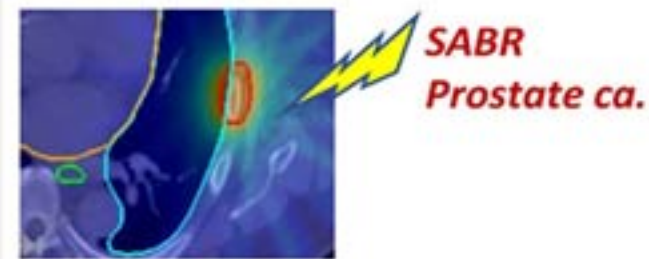


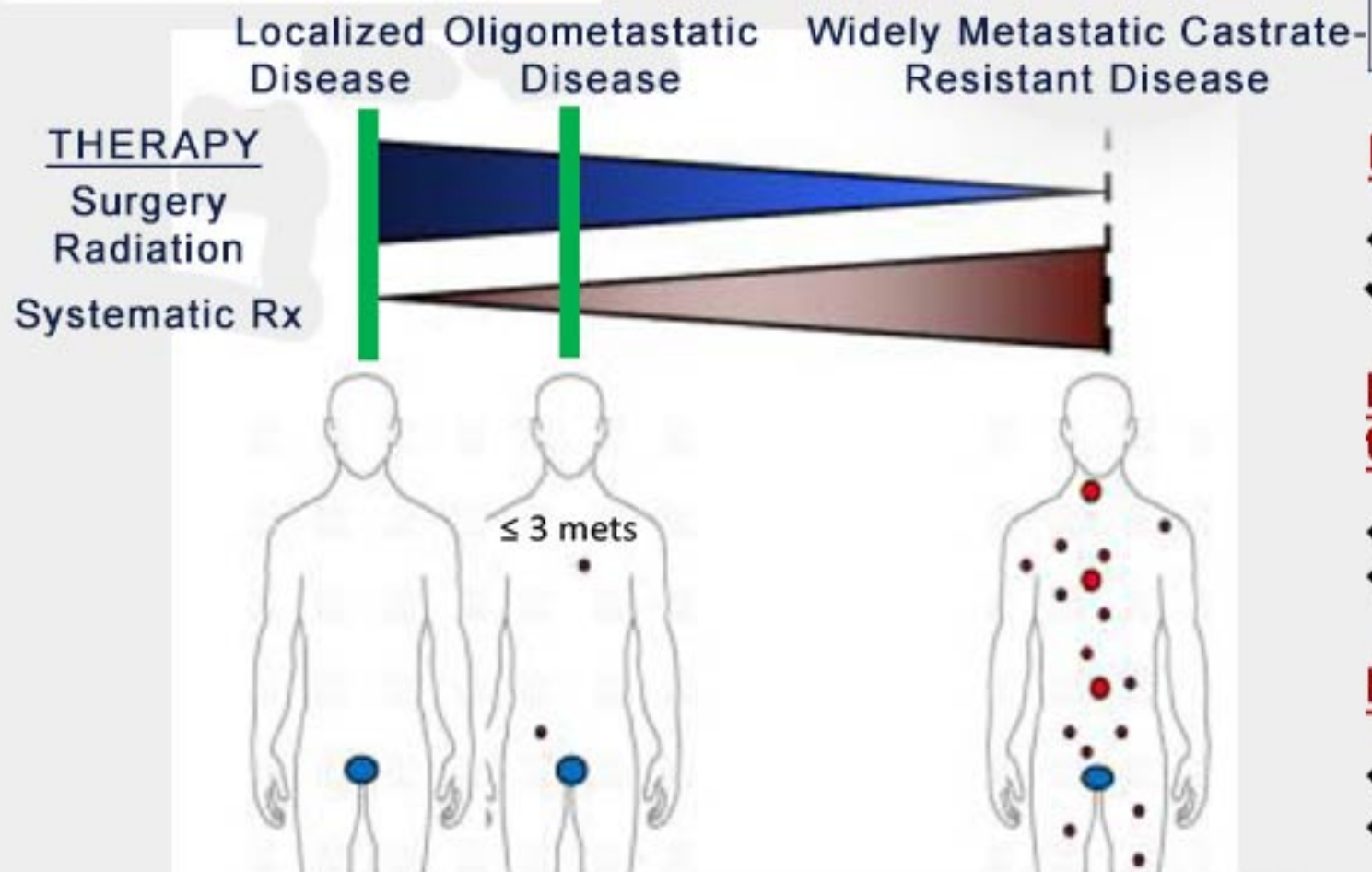
U54 CA274220:

Radiation Oncology-Biology Integration Network on Oligometastasis (ROBIN OligoMET Center)



Interplay between primary macro- and micro-metastatic disease in response to consolidation stereotactic ablative radiation (SABR)

Prioritize mechanism/targets for functional validation; predict benefit



Molecular Characterization Trial

- ✓ Leverages randomized Phase 2 trial of oligo-met prostate - SABR
- ✓ Genomics, Radiomics, CTC liquid biopsies, plasma proteomics, radiomics and metabolomics

P1: Identity intrinsic and TME plasticity mechanisms modulated by SABR that affect metastatic proclivities

- ✓ Epithelial-Mesenchymal Plasticity (EMP) programs
- ✓ Biological basis of oligo-niche v widespread dissemination- in respt. to SABR

P2: Determine how ethnic background affects immunity-metabolism in RT response

- ✓ Lipidomics, TCR immuno-profiling, GI microbiome
- ✓ Cancer disparities research