



# **Cancer Breakthroughs - Takeaways from the Major Oncology Meetings of 2019**

*A preview of Wednesday's presentations*

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# Cancer Breakthroughs

## Takeaways from 2019's Major Oncology Meetings

- Wednesday, 9:15-11:00 a.m., General Session room (W375)
- Scientific reviews of research highlights from major oncology associations
  - ASCO: American Society of Clinical Oncology
  - AACR: American Association for Cancer Research
  - AAPM: The American Association of Physicists in Medicine
  - RRS (RADRES): Radiation Research Society

# Research Highlights from ASCO

Phase III MONALEESA-7 trial of premenopausal patients with HR+/HER2- advanced breast cancer (ABC) treated with endocrine therapy ? ribociclib: Overall survival (OS) results

Phase 3 international trial of adjuvant whole brain radiotherapy (WBRT) or observation following local treatment of 1-3 melanoma brain metastases (MBMs)

**To be presented by Lori Pierce, MD, ASCO President-elect**

# Research Highlights from AACR

A dose escalation trial of the wee1 inhibitor AZD1775, in combination with gemcitabine and radiation for patients with locally advanced pancreatic cancer

Identifying molecular determinants of response to apalutamide in patients with nonmetastatic castration-resistant prostate cancer in the SPARTAN study

**To be presented by Robert Den, MD**

# Research Highlights from AAPM

Multiparametric breast MRI  
radiomics in distinguishing  
between benign and malignant  
breast lesions

First human imaging studies  
with the EXPLORER total-body  
PET scanner

**To be presented by Kristy Brock, PhD**

# Research Highlights from RRS

Flash-radiation therapy (ultra-high dose rate) protects normal tissue without compromising tumor control: Mechanisms and clinical perspectives

Dissecting mechanisms of response and resistance to radiation and immunotherapy

**To be presented by David Kirsch, MD, PhD, FASTRO**