

# Quality Research in Radiation Oncology (QRRO)

*J. Frank Wilson, M.D., PI*

*Jean B. Owen, Ph.D., Project Director*

*Supported by NCI CA65435*

# QRRO – History and Key Players

- QRRO evolved from Patterns of Care Study (PCS)
- **Key QRRO Committees for ATC**
  - **eData Committee**
    - **Chair – Christopher Rose, M.D. (also QRRO Vice Chair)**
    - **Vice Chair – Phillip Devlin, M.D.**
  - **GU Committee**
    - **Chair – Michael Zelefsky, M.D.**
    - **Vice Chair – Anthony Zietman, M.D.**

# QRRO is Different from Clinical Trials!

- Retrospective survey based on patient records
- Goals
  - Quality indicators and process measures for radiation oncology
  - Measure quality for emerging advanced technologies
- HIPAA
  - IRB review, but no informed consent or patient authorization
  - De-identified data – no Protected Health Information (PHI)
- All types of practice
  - Not just those who can meet defined standards!

# Electronic Data Collection

---

- **Goals for Current Survey and for Future Surveys**
  - **Electronic Health Record – direct transfer**
    - **From many institutions and systems**
    - **Demographics, diagnosis, staging, treatment (RT, chemotherapy, surgery, etc.), outcome**
  - **Web based data collection**
  - **Image data collection**

# Image Collection – First Study

---

- **Prostate Brachytherapy – would like to collect**
  - **Diagnostic images, i.e. post-implant CT scans**
  - **Treatment planning data, including DVH**
- **Data from whole spectrum of RT facilities**
  - **All possible systems**

# Questions

---

- Can ATC transfer de-identified images and treatment planning data?
- What does the data cleanup process at ATC include?
  - Technical compatibility
  - Meeting standards
- Does ATC have room for QRRO?
  - Suppose CT files for 600 patients from 70 facilities with a range of systems