

Memorial Sloan Kettering Cancer Center

## Four Years and Beyond: Progress with the Committee on Radiation

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### Background

- The Protocol Review Core (PRC) ulletwithin Memorial Sloan Kettering Cancer Center's (MSK) Clinical Research Administration (CRA) was established in 2018 to provide centralized oversight of protocol review committees, including the Committee on Radiation (COR).
- COR has jurisdiction over all ionizing radiation use in accordance with applicable regulations and MSK's broad scope license, which includes reviewing protocols where participants receive any investigational radiation exposure.
- PRC and COR leadership identified challenges with protocol reviews at COR such as ambiguity of review criteria, increased submission volume, and PRC operating outside of scope since COR is a unique committee reviewing clinical and non-clinical research activities subject to regulatory oversight.

### Goals

- Streamline COR's review process while ensuring regulatory compliance
- Improve access to COR resources
- Align responsibilities for COR administration
- Facilitate review at future committee meetings (i.e., IRB)



B.11	Are any of the ionizing radiation scans in the include X-ray, CT, PET, image guided biopsid	es,
	non-standard of care scans and timepoints. number of time points are subject to change	
B.12	Will the patient receive radioactive materials for a non-FDA approved indication?	th
B.13	Does the protocol include radiation therapy or used for a non-approved indication, or is per	
	If RPSF B.11 is YES, protocol will be assigned for expedited review	

### Outcome

Increase in COR protocol reviews (2017-2021) as a result 325% of clear review criteria

> % protocols reviewed via expedited process (2020) compared to 0% prior to PRC management

Median days for COR approval, which remained consistent despite significant increase in volume (2020)

document implemented

internal workflows and to separate clinical research from radiation safety responsibilities

COR Chair	COR members
C/I	I
	I
С	I
I	I
C/I	I
I	I
R	R
I	I
	Chair C/I I C/I I R



79%

83%

Increase in protocols 'approved as is' after CR portal redesign, including comprehensive resources, led to improved quality of submissions (2021)

### **Lessons Learned**

- Establishing clear review criteria in the initial stage of protocol submissions was effective for ensuring regulatory compliance
- Incorporating RACI tool was critical for realigning administrative responsibilities

### **Future Directions**

- Leverage technology to improve committee management such as:
  - Automate amendment submissions and reviews in **Protocol Information** Management System (PIMS)
- Continue to increase efficiencies within the review process