



HOME OF SIDNEY KIMMEL MEDICAL COLLEGE



Introduction

- Therapeutic radiation is given over (fractions), requiring patients to daily.
- Cancer patients are at increased from COVID19 (Liang W. Lancet Or
- We implemented evidence-based 3/16/20 to minimize patient expo delaying, and shortening patient
- We analyzed the effectiveness of comparing the number of new pat treatments before and after imple

Methods

- Radiation prescriptions at Bodine implementation of COVID19 guide compared to volume 4 weeks prio
- Descriptive analysis of number of of fractions (treatments) per pati fractions was performed.
- Data was binned into each week a fractionation groups of $\leq 5, 6-15$, prescription.

Conclusion

Our department successfully decreased reducing new prescription starts, rat courses, and overall number of treat evidence-based approach.

Avoid, Delay, Shorten. Results of Radiation Oncology's COVID19 Patient **Exposure Risk Mitigation Guidelines**

Alex Kubli MS, Lilya Babinski BS, Angelia Landers PhD, Christian Fernandez MD, Amy Harrison PhD Department of Radiation Oncology, Thomas Jefferson University

	Res
er multiple treatments come into the department	35 - 30 - Sec 25 -
risk of infection and death ncol 2020).	Brescripti 15 –
COVID19 guidelines on osure risks by avoiding, treatments when possible.	້ອ 10 # 5 0
our COVID guidelines by tient starts and number of ementation.	80 70 60 50
Cancer Center since elines were reviewed and or.	Sevential and a sevential and
new prescriptions, number ient, and overall number of	0 –
and separated into and ≥16 fractions per	35 30 25 20 15 10
used patient exposure risk by ates of longer treatment atment encounters in an	5 0 1





10 8 9 11 12 Week



Fig 1. New prescriptions per week by prescribed number of treatments (fractionation, fx). New starts decreased by ~40%.

Fig 2. Linear regressions of each fractionation group. Longer treatments course have decreased. Shorter treatment courses have increased.

Fig 3. Total number of fractions overall, by prescription, and by fractionation group. **Overall number of** treatments have decreased.

---≤5 fx ---6-15 fx ---≥16 fx