

**Nicole Simone MD** is a radiation oncologist at Thomas Jefferson University Hospital's Sidney Kimmel Cancer Center. She is also an Associate Professor, who has been studying the effect of diet on standard therapies such as radiation and chemotherapy to see whether what you eat can make a difference.

**For Dr. Simone's Most Recent Publications See:**

<http://hospitals.jefferson.edu/find-a-doctor/s/simone-nicole-l.html>

**Relating to Dr. Simon's Research and Clinical Interests:**

Dr. Nicole Simon is a board-certified radiation oncologist, who has a particular interest in using technological advances in radiation oncology to minimize side effects of treatment while still optimally treating the area of disease. She treats a variety of malignancies but has concentrated on breast cancer and has conducted several clinical trials. She works closely with a multidisciplinary team of radiologists, pathologists, surgeons and medical oncologists to ensure that optimal treatment is chosen for each individual patient.

In the laboratory, Simone studies the effect of combining a healthy diet with standard therapies to try and optimize cancer outcomes. There is a focus on how caloric restriction, or a reduction in overall calories can augment the response of radiation in hormonally responsive cancers such as breast and prostate cancer. It has been shown that caloric restriction, combined with radiation, inhibits both tumor growth and metastases in two aggressive models of breast cancer, and they are also looking at advanced prostate cancer.

For More Information See:

[http://www.jefferson.edu/university/jmc/departments/radiation\\_oncology/faculty/simone.html](http://www.jefferson.edu/university/jmc/departments/radiation_oncology/faculty/simone.html)

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