RAD-IMMUNE

"RETHINKING RADIATION THE IMMUNE WAY"

An Online Continuing Medical Education (CME) Program by GHA

COURSE OVERVIEW

Synchronised permutations and combinations of radiation usage with immunotherapy for cutting edge bench to bedside research adoption for Oncologists (Radiation Oncology, Medical Oncology, Surgical oncology, onco-radiologists, onco-pathologists), translational Researchers in immunology, cancer biology, genetics, and undergraduate medical students.

The ability of radiotherapy to enhance antigenicity and adjuvanticity of an irradiated tumour has stimulated the interest for its combination with immuno-oncology agents. However, radiotherapy often generates multiple layers of host responses which likely depends on the tumour biology, the immune cell infiltration, and the induction of immunosuppressive signals post radiotherapy. Consequently, translation of preclinical findings to the clinic is more convoluted than anticipated which underscore the need to decipher molecular and cellular mechanisms elicited by radiotherapy. Here we review pro-inflammatory and immunosuppressive mechanisms triggered by radiotherapy that impact the outcome of antigen specific T cell killing and discuss how radiation-induced immunostimulatory mechanisms can be exploited to reactivate the host's immune system, especially in the context of immunotherapy and hence catapulting into a new age of **"Immuno-Radiotherapy"**.

COURSE MENTORS

DR. B.S AJAIKUMAR
EXECUTIVE CHAIRMAN
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DR. SHEKAR PATIL
SENIOR MEDICAL ONCOLOGIST
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COURSE DIRECTORS

DR. LOHITH REDDY
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COURSE FACULTY

	TOPIC	FACULTY
1	CLINICAL EXPERIENCE ON ABSCOPAL AND RADSCOPAL EFFECTS	SILVIA FORMENTI
2	MITOCHONDRIAL DNA AND IT'S IMPACT ON IMMUNO-RADIO THERAPY	LORENZO GALLUZZI
3	FLASH RADIOTHERAPY	MARIE-CATHERINE VOZENIN
4	IMMUNE INTERACTIONS WITH RADIATION-THE BASICS	KRITHIKAA SEKAR
5	RADIATION THERAPY INDUCED REMODELING OF TME	SANDRA DEMARIA
6	COMBINATION OF HIGH DOSE WITH LOW DOSE RADIOTHERAPY TO SENSITIZE IMMUNOTHERAPY	JAMES WELSH
7	TIME-SYNCHRONIZED IMMUNE-GUIDED SBRT PARTIAL BULKY TUMOR IRRADIATION TARGETING HYPOXIC SEGMENT WHILE SPARING THE PERITUMORAL IMMUNE MICROENVIRONMENT	SLAVISA TUBIN
8	PREGNANCY AND HOW IT PARALLELLS WITH CANCER *(RECORDED VIDEO)*	KENNETH BEAMAN
9	STRATEGIES TO ENHANCE IMMUNOTHERAPY RESPONSE IN CONTEXT TO TUMOR STROMA	ANNA WILKINS
10	IMAGING FOR IMMUNE RESPONSE	SHIVKUMAR SWAMY
11	RADIATION SENSITIVITY INDEX AND GENOMIC ASSISTED RADIATION DOSING	JAVIER TORRES-ROCA
12	TARGETING THE RESISTENT TUMOUR STROMA	LOHITH REDDY
13	AGEING AND HOW IT PARALLELLS WITH CANCER	JOAO PEDRO DE MAGALHAES

COURSE HIGHLIGHTS

Learning Objective:
The understanding of the immune system is changing the way we treat different types of cancer, and Focused Radiotherapy is an effective immuno-sensitizer that can potentiate the ability to fight cancer with technology. Using the techniques of leading cancer researchers and oncologists, this unique online course teaches professionals about cutting-edge immunotherapies combined with radiation treatment.

LEARNING METHODOLOGY:

01 Online interactive sessions.

02 2-week course – 1 hour each including the Q&A session (7-8 pm Indian standard time)

03 Expert commentary on videos.

04 Renowned oncologists with expertise in Immuno-Rad.

05 Shared knowledge of translational research from the best labs working on Immuno-Rad concepts.

LEARNING OUTCOMES:

- Ground-breaking original research conception gluing bench to bedside.
- An Unlearn-Relearn approach to the applications of current era Radiotherapy.
- Access to the best and latest research in Immuno radiotherapy combine.

WHO SHOULD ATTEND?

Radiation Oncologist, Medical Oncologist, Surgical oncologist, Onco-radiologists, Onco-pathologists, Translational Researchers in immunology, Cancer biologist, Genetics, Medical students, Radiation therapist, Physicists, Scientists, BSc Biotech, MSc Biotech, Phd's.

Course Begins on

April, 2024

HURRY!! LIMITED SEATS ONLY

BLOCK YOUR SLOT NOW!!!

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