

ADVANCED COURSE ON RADIOTHERAPY

GU MODULE



Organizer:



Academic partner:



Radiotherapy Department of
Bologna University, Italy

Scientific partner:



ORGANIZER



Oncology Club

a platform for all, fighting cancer

ACADEMIC PARTNER



Radiotherapy Department of
Bologna University, Italy

STAKE HOLDERS

SCIENTIFIC PARTNER

varian

A Siemens Healthineers Company

ONCOLOGY CLUB

Oncology Club Bangladesh is a platform for all cancer fighters, including doctors, survivors, social workers, philanthropists, journalists, media workers, drug manufacturers, researchers, hospitals, and diagnostic laboratories. This organisation was created under the leadership of Late Emeritus Prof. ABMF Karim in 1996 and was registered by the Ministry of Social Welfare. The Oncology Club aims to enhance oncologist education, promote communication among cancer-related medical subspecialties, advocate for quality cancer care policies, and support clinical trial programs and patient-oriented research, fostering a wide range of cancer-related ideas. The Oncology Club, as the architect of SFO, is significantly contributing to the improvement of the oncology arena in this region, focusing on public awareness and cancer prevention, but lacks the initiative to collaborate with local specialists for better care quality and survival of patients. Bangladesh has participated in and organized several SFO Conferences, including Bangladesh (2001), Nepal (2003), India (2005), Pakistan (2007), Sri Lanka (2009), Bhutan (2011), Bangladesh (2012), Nepal (2013), India (2014), Pakistan (2015), and Bangladesh (2016), providing an opportunity to meet global experts and foreign galaxies in oncology.



UNIVERSITY OF BOLOGNA

The University of Bologna (Italian: Alma mater studiorum - Università di Bologna, UNIBO) is a research university in Bologna, Italy. Founded in 1088 by an organized guild of students (hence the Studiorum), it is the oldest continuously operating university in the world, and the first university in the sense of an institute of higher education and degree-granting, where the word universitas is coined in its founding.

Since its foundation, it has attracted many scholars, thinkers and students from all over Italy and the world, making it one of the major international centers of learning.

The University of Bologna saw the first woman to earn a university degree and teach at a university, Bettisia Gozzadini, and the first woman to earn a Doctor of Science degree and a salaried position as a university professor, Laura Bassi. The 2021 QS World University Rankings ranked the University of Bologna 160th in the world, as well as 69th (first in Italy) with reference to academic reputation. In the 2021 Times Higher Education World University Rankings, it was ranked 167th globally. In the impact rankings for the same year, which measures universities' commitment to sustainable development in accordance with the United Nations 2030 Agenda, Bologna ranked first in Europe and sixth in the world.

Nationally, in 2020 Bologna topped Italy's leading ranking of large public universities (>40,000 students) for the eleventh consecutive year



ABOUT VARIAN



Varian Medical Systems is an American radiation oncology treatments and software maker based in Palo Alto, California. Their medical devices include linear accelerators (LINACs) and software for treating cancer and other medical conditions with radiotherapy, radiosurgery, proton therapy, and brachytherapy. The company supplies software for managing cancer clinics, radiotherapy centers, and medical oncology practices. Varian Medical Systems employs more than 7,100 people at manufacturing sites in North America, Europe, and China and approximately 70 sites globally.

In April 15, 2021, Siemens Healthineers acquired Varian. After the merger it continues to operate independently and retains its headquarters along with its 10,000 employees.

Varian has long been on a mission to help create a world without fear of cancer. Now, as a Siemens Healthineers company, Varian is working, based on a more expansive perspective of the patient's journey than ever before. As a result, their vision for the future and what they can achieve on behalf of patients has expanded and become much more comprehensive.

Given the broad portfolio of imaging and cancer care technologies and services that Varian offers as one unified company, they are working to create an oncology ecosystem that enables us to support care providers along the entire cancer care continuum.

BACKGROUND

Radiotherapy is the most important component of cancer care where 60% of the cancer patients take radiotherapy in their life time either in palliative or curative intent.

Bangladesh struggles for lack of infrastructure and trained manpower in the field of cancer care. This is considered as the key factor for very low penetration of radiotherapy treatment of our country. It is sometimes challenging to ensure hands on training to the post graduate students on precision oncology due to lack of resources. It is observed that fresh post graduate radiation oncologist sometimes struggles to offer treatment with precision oncology to their patients due to lack of adequate exposure and training. There is always a need for upscaling of the Radiation oncologists and supporting staffs engaged in the department of Radiation oncology of our country so that they can easily handle the newer technology and offer optimum quality treatment by using precision radiation therapy techniques.

Oncology Club, Bangladesh has been working to develop trained manpower in the field of cancer care. Arrangement of “Advance Course of Radiotherapy” a module-based hands-on training program is an addition to our earlier initiatives.

University of Bologna is the academic partner of this program. They will oversee the program design, provide majority of the faculties and also take part in the course evaluation and certification process.

Varian Medical System is the scientific partner for this program where they are providing the financial and technical support with their Academic Hub training database.





ABOUT THE COURSE



COMMENCING DATE

1ST FEBRUARY 2024

SERVER ACCESS

EACH INDIVIDUAL WILL GET ACCESS TO ECLIPSE SERVER (ACADEMIC HUB) PLANNING FROM OWN LAPTOP



DURATION

FOUR MONTHS

TYPES OF CLASSES

ONLINE & ONSITE CLASSES



COMPONENTS OF TRAINING

HANDS ON TRAINING ON PLANNING, CONTOURING AND ALLIGED SUBJECT

EVALUATION

PERIODICAL EVALUATION



ACHIEVEMENT

SKILL DEVELOPMENT
COMPLETION CERTIFICATE



ACADEMIC HUB

THE UNIQUE FEATURE OF THE COURSE



Radiotherapy relies heavily on the ability to use the treatment planning systems for effective contouring and planning. This is often not possible on clinical systems, and as such access to non-clinical systems is critical for the success of these training programs.

The Varian Medical Affairs Clinical Development (MACD) Program has made access to the Varian Academic Hub available to the Oncology Club Bangladesh (OCB) to assist with Eclipse based practical training.

The Academic Hub is a non-clinical instance of Eclipse that will allow participants access to Eclipse to develop contouring and planning skills under the guidance of the OCB faculty. Access is gained via a Citrix portal URL and does not require any special computer hardware. It can be run from participant computers or laptops from their own departments, or at the OCB training facility. A technical assistant appointed by the OCB will guide all participants through the process of access prior to training.

Cases will be prepared by the OCB faculty, to ensure training is relevant to the disease profiles in the region.

COURSE CONTENT

The course will have unique design to cover A-Z of radiotherapy treatment of GU system mainly focusing in Prostate and Bladder cancer.

The module is designed in hybrid format where faculties from Italy supported by some local ones will take physical class and offer hands on training along with some remote online teaching.

Practical independent assignment like contouring, plan evaluation will be given to all the participants for online submission

Regular assessment of the performance of the participants during the course will be done along with a final evaluation exam at the end of the course.

MAJOR COMPONENTS OF THE TRAINING MODULES

Patient counseling and general evaluation (performance status, comorbidities), anatomy and radiology of each site as per module above

OAR Contouring, GTV, CTV,PTV AND Nodal station delineation

Staging workup and documentation

Treatment Planning, IGRT, Plan evaluation and documentation

Treatment protocols with respect to staging

Follow-up protocols and toxicity assessment and management

Patient setup, immobilization and simulation

Re-Irradiation and palliation protocols

Principles of Radiobiology

ENROLLMENT CRITERIA

1

A candidate who has a qualification in Radiotherapy i.e. MD, FCPS or M-Phil

2

A candidate who is attached to a center with a precision Radiation Oncology facility



COMMITMENT FEE

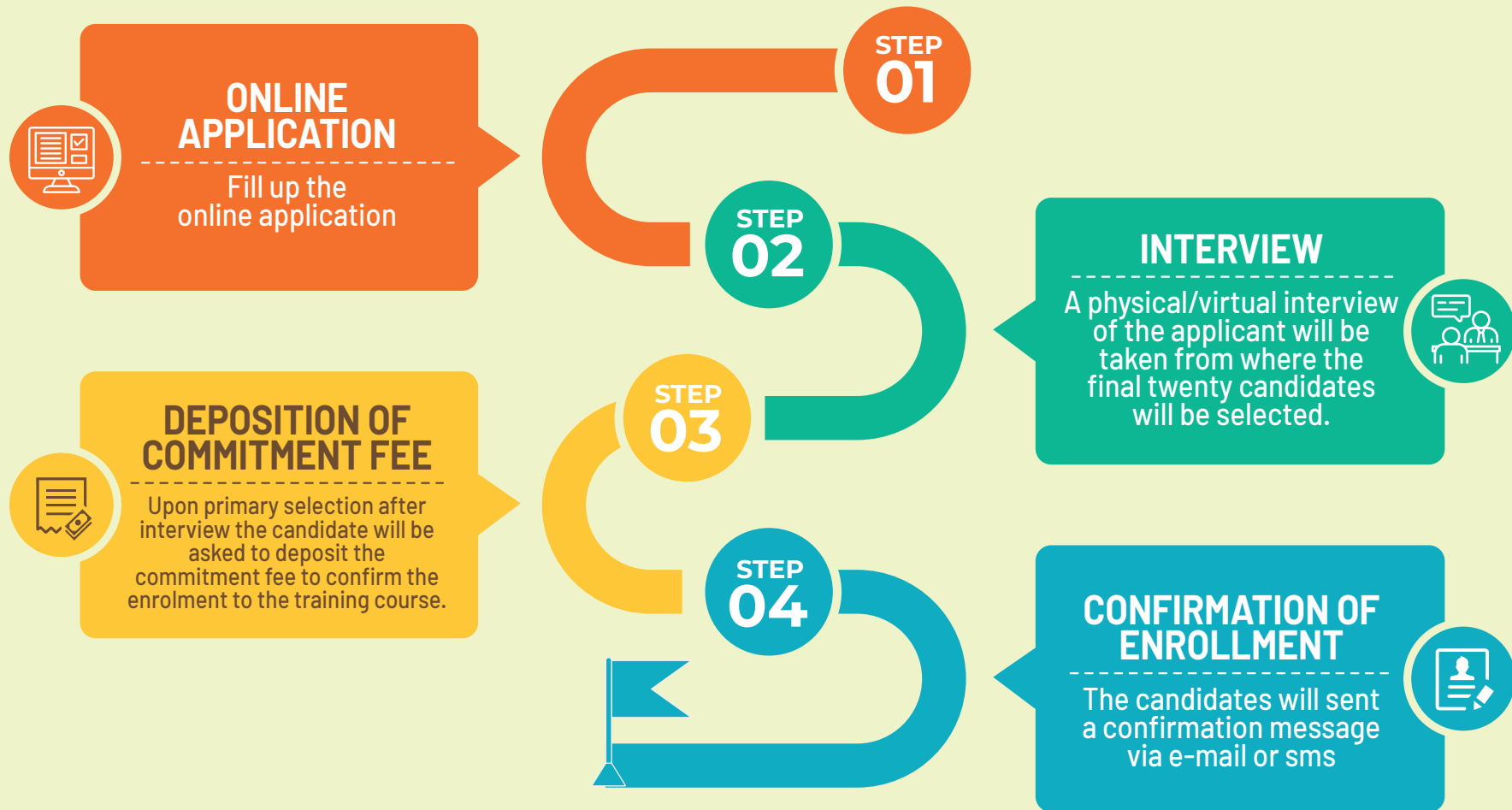
Commitment fee of BD TK 20,000 will be required to be deposited to ensure enrolment in the course by the selected candidate after the interview.

Once a candidate ensures 85% attendance/compliance to course work then he/she will get the total reimbursement of the deposited commitment fee BD TK 20,000.

If any candidate fails to achieve the given target of attendance/compliance to course work and also fails to achieve the target marks (60%) of course evaluation then he/she will not get the reimbursement of the commitment fee.



SELECTION PROCESS



FOR REGISTRATION

[CLICK HERE](#)

MEET THE FACULTY

COURSE DIRECTOR



Prof. Alessio G. Morganti

Professor of Radiotherapy;
Chair of Radiotherapy Department of
Bologna University, Italy

Adjunct Professor of Radiotherapy,
Università Cattolica of Rome, Italy

COURSE CO-ORDINATOR



A.F.M. Kamal Uddin

Associate Professor (CC) at
National Institute of ENT

Senior Consultant, Clinical Oncology,
Labaid Cancer Hospital & Super Speciality Centre &
Labaid Specialized Hospital

FACULTIES



Prof. Evis Sala

Professor of Radiology,
Università Cattolica del Sacro Cuore, Rome, Italy

Chair, Department of Diagnostic Imaging,
Radiotherapy and Haematology,
Fondazione Policlinico Universitario Agostino
Gemelli IRCCS, Rome, Italy

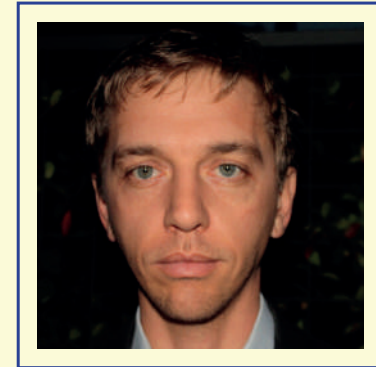


Prof. Michelangelo Fiorentino

Associate Professor of Pathology,
Bologna University, Italy

Adjunct Associate Professor of Epidemiology,
Harvard University, Boston, USA

Director Pathology Service,
Maggiore Hospital, Bologna, Italy



Prof. Stefano Arcangeli

Associate Professor of Radiation Oncology,
Università degli Studi di Milano-Bicocca, Italy

Head of Radiotherapy Department,
Fondazione IRCCS San Gerardo, Monza, Italy

President-elect AIRB
(Italian Association of Radiobiology)

FACULTIES



Prof. Savino Cilla

Head-Chief of Medical Physics Unit at
Gemelli Molise Hospital, Campobasso, Italy

Adjunct Professor,
Università Cattolica of Rome, Italy



Dr. Mostafa Aziz Sumon

Assistant Professor and
Head of the Department
Radiation Oncology
Kurmitola General Hospital Bangladesh



Dr. Karthick Raj Mani

PhD
Medical Physics Specialist
Genesis Care
Flinders Private Hospital
Bedford Park SA, Australia

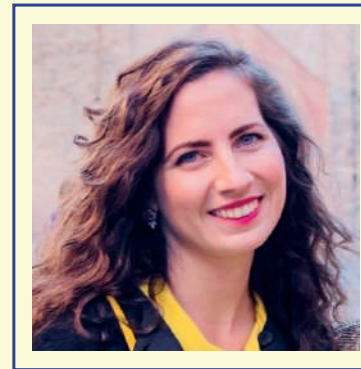
FACULTIES



Dr. Maria Ntreta

Radiation Oncologist, responsible for the treatment of urological tumors at Radiotherapy, Bologna University

Investigator in trials on prostate tumors, responsible for quality assurance and responsible for continuing education at Radiotherapy, Bologna University.



Dr. Letizia Cavallini

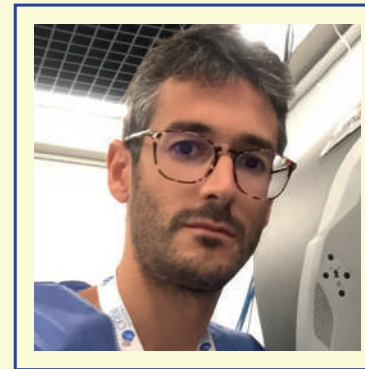
Radiation Oncologist, research fellow, involved in clinical trials on prostate and breast cancer.

FACULTIES



Prof. Romina Rossi

Assistant Professor of Radiation
Oncology, Bologna University



Prof. Lorenzo Bianchi

Associate Professor at Bologna University
FEBU (Fellow European Board of Urology)



CERTIFICATION

Participants who will successfully complete the course and will score the pass mark in the evaluation exam will be issued with certificate of completion.





SOME IMPORTANT DEADLINES

01

Last date of registration: 5th January

02

Interview: 6th – 11th January

03

Last date of course fee deposition: 19th January

04

Academic Hub training: 21st – 25th January

05

Course commencement date: 1st February