

# 医学物理国际暑期学校

## Report of Contributions

Contribution ID: 0

Type: **not specified**

## Opening Remark

*Monday, 9 August 2021 08:30 (1h 30m)*

**Presenter:** Prof. HUANG, Yingqiang (Duke Kunshan University)

**Session Classification:** Opening Remark

Contribution ID: 1

Type: **not specified**

## **Modern Imaging (MR) MR-Linac: A system designed for adaptive radiotherapy**

*Monday, 9 August 2021 10:30 (1h 30m)*

**Presenter:** Dr CHEN, Yan (Elekta Beijing Medical Systems Co., Ltd.)

**Session Classification:** Modern Imaging (MR) MR-Linac: A system designed for adaptive radiotherapy

Contribution ID: 2

Type: **not specified**

## **Modern Imaging (PET) The rising role of PET/CT in the era of precision medicine**

*Monday, 9 August 2021 14:00 (1h 30m)*

**Presenter:** Dr JIANG, Cathy (Shanghai United Imaging Healthcare Co., Ltd.)

**Session Classification:** Modern Imaging (PET) The rising role of PET/CT in the era of precision medicine

Contribution ID: 3

Type: **not specified**

## **Brachytherapy 近距离治疗的物理学和生物学基础及最新进展**

*Monday, 9 August 2021 16:00 (1h 30m)*

**Presenter:** Dr DAI, Zhitao (Cancer Hospital Chinese Academy of Medical Sciences)

**Session Classification:** Brachytherapy 近距离治疗的物理学和生物学基础及最新进展

Contribution ID: 4

Type: **not specified**

## **Radiotherapy: Teletherapy Principles and Techniques**

*Tuesday, 10 August 2021 10:30 (1h 30m)*

**Presenter:** Dr XU, Shouping (Chinese PLA General Hospital)

**Session Classification:** Radiotherapy: Teletherapy Principles and Techniques

Contribution ID: 5

Type: **not specified**

## TPS: 放射治疗计划系统的原理和临床应用

*Tuesday, 10 August 2021 14:00 (1h 30m)*

**Presenter:** Mr WU, Jinhong (Peking Union Medical College Hospital)

**Session Classification:** TPS: 放射治疗计划系统的原理和临床应用

Contribution ID: 6

Type: **not specified**

## **TPS: Artificial intelligence-based automatic treatment planning**

*Tuesday, 10 August 2021 16:00 (1h 30m)*

**Presenter:** Prof. ZHAO, Wei (Beihang University)

**Session Classification:** TPS: Artificial intelligence-based automatic treatment planning



Contribution ID: 7

Type: **not specified**

## **Particle Therapy: Introduction to proton therapy and clinical application of pencil scanning beam proton therapy**

*Wednesday, 11 August 2021 08:30 (1h 30m)*

**Presenter:** Prof. LIN, Haibo (New York Proton Center)

**Session Classification:** Particle Therapy: Introduction to proton therapy and clinical application of pencil scanning beam proton therapy

Contribution ID: 8

Type: **not specified**

## **Particle Therapy: Acceptance Test, Commissioning and QA of Varian ProBeam proton therapy system**

*Wednesday, 11 August 2021 10:30 (1h 30m)*

**Presenter:** Prof. LIN, Haibo (New York Proton Center)

**Session Classification:** Particle Therapy: Acceptance Test, Commissioning and QA of Varian ProBeam proton therapy system

Contribution ID: 9

Type: **not specified**

## **Field Trip for Radiotherapy Varian Teaching & Training Center in Beijing**

*Wednesday, 11 August 2021 14:00 (3h 30m)*

**Presenter:** Ms WU, Zhufeng (Varian Medical Systems China Co., Ltd.)

**Session Classification:** Field Trip for Radiotherapy Varian Teaching & Training Center in Beijing

Contribution ID: 10

Type: **not specified**

## **Routine QA: Introduction of quality assurance in modern radiotherapy.**

*Thursday, 12 August 2021 08:30 (1h 30m)*

**Presenter:** Mr KO, Steven (IBA Dosimetry)

**Session Classification:** Routine QA: Introduction of quality assurance in modern radiotherapy

Contribution ID: 11

Type: **not specified**

## **Radiation Safety Radiation accidents & Radiation Protection**

*Thursday, 12 August 2021 10:30 (1h 30m)*

**Presenter:** Prof. HUANG, Yingqiang (Duke Kunshan University)

**Session Classification:** Radiation Safety Radiation Accidents & Radiation Protection

Contribution ID: 12

Type: **not specified**

## **Field Trip for Particle Therapy (Hebei Yizhou Tumor Hospital)**

*Thursday, 12 August 2021 14:00 (3h 30m)*

**Presenter:** Mr ZOU, Yue (Hebei Yizhou Tumor Hospital)

**Session Classification:** Field Trip for Particle Therapy (Hebei Yizhou Tumor Hospital)

Contribution ID: 13

Type: **not specified**

## Clinical Topic: 放射生物

*Friday, 13 August 2021 08:30 (1h 30m)*

**Presenter:** Prof. LIN, Qin (The First Affiliated Hospital of Xiamen University)

**Session Classification:** Clinical Topic: 放射生物

Contribution ID: 14

Type: **not specified**

## **Clinical Topic: 人体解剖生理与放射免疫——临床应用 视角**

*Friday, 13 August 2021 10:30 (1h 30m)*

**Presenter:** Prof. ZHOU, Xin (Fudan University Shanghai Cancer Center)

**Session Classification:** Clinical Topic: 人体解剖生理与放射免疫——临床应用视角



Contribution ID: 15

Type: **not specified**

## **AI: AI 在雷泰 VenusX 加速器中的应用**

*Friday, 13 August 2021 14:00 (1h 30m)*

**Presenter:** Dr YAO, Yi (LinaTech Medical Technology Co., Ltd.)

**Session Classification:** AI: AI 在雷泰 VenusX 加速器中的应用

Contribution ID: 16

Type: **not specified**

## **MP Topic: Future Development, Professional and Education for MP**

*Friday, 13 August 2021 16:00 (1h 30m)*

**Presenter:** Prof. HUANG, Yingqiang (Duke Kunshan University)

**Session Classification:** MP Topic: Future Development, Professional and Education for MP

Contribution ID: 17

Type: **not specified**

## Radiotherapy: 高能光子束的绝对剂量刻度

*Tuesday, 10 August 2021 08:30 (1h 30m)*

**Presenter:** Mr PANG, Tingtian (Peking Union Medical College Hospital)

**Session Classification:** Radiotherapy: 高能光子束的绝对剂量刻度