

CURRICULUM VITAE Michele Avanzo

INFORMAZIONI PERSONALI

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Luogo di nascita [REDACTED]

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Nazionalità ITALIANA

EDUCAZIONE

Data 2004

Istituzione Scuola di Specializzazione in Fisica Medica, Università di Milano

Qualifica Specialista in Fisica Medica

Date 2000

Istituzione Università di Ferrara

Qualifica Laurea Magistrale in Fisica

ESPERIENZE LAVORATIVE

Date 2006 – oggi

Istituzione Centro di Riferimento Oncologico - IRCCS, Via F. Gallini 2, 33081 Aviano (PN)

Posizione Dirigente Fisico Sanitario – Struttura Operativa Complessa di Fisica Sanitaria

Esperto di Radioprotezione (III Grado) - Radioterapia e Fisica Sanitaria

Attività principali Dosimetria e pianificazione in radioterapia. Radioterapia Intraoperatoria.

Assicurazione della qualità in radiodiagnostica e radiologia interventistica.

Attività di ricerca in radiomica, intelligenza artificiale, radiobiologia e modelli predittivi in radioterapia. Esperto di Radioprotezione Oncologia Radioterapica.

ESPERIENZE DIDATTICHE

Date 2014 – oggi

Istituzione International Center Medical Physics – Università di Trieste

Posizione Professore a contratto del corso "algoritmi di calcolo della dose e introduzione all'intelligenza artificiale"

ULTERIORI ESPERIENZE

- Editore Associato Senior di Physica Medica (Elsevier)
- Editore Associato di Medical Physics (Wiley)
- Membro Comitato Scientifico dell'Ass. Italiana di Fisica Medica (AIFM)
- Membro Comitato Scientifico Federazione Europea di Fisica

	<p>Medica (EFOMP)</p> <ul style="list-style-type: none"> - Membro del gruppo di lavoro of ASTRO/AAPM: "Pediatric Normal Tissue Effects in the Clinic (PENTEC)" - Coordinatore del gruppo Dosiomica di Alleanza contro il Cancro - Co-coordinatore gruppo di lavoro AIFM sull'Intelligenza Artificiale "AI4MP" - Coautore pubblicazione International Agency of Atomic Energy (IAEA) "IAEA Training Course Series 83: Artificial Intelligence in Medical Physics"
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PUBBLICAZIONI

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- [3] Ajithkumar T, Avanzo M, Yorke E, Tsang DS, Milano MT, Olch AJ, et al. Brain and Brain Stem Necrosis After Reirradiation for Recurrent Childhood Primary Central Nervous System Tumors: A PENTEC Comprehensive Review. *Int J Radiat Oncol* 2024;119:655–68. <https://doi.org/10.1016/j.ijrobp.2023.12.043>.
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time-to-event analysis with PET, CT and joint PET/CT for head and neck cancer prognosis. *Comput Methods Programs Biomed* 2022;222. <https://doi.org/10.1016/j.cmpb.2022.106948>.

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Autorizzo il trattamento dei dati personali nelle modalità previste dal Regolamento UE 2016/679

Data

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17/05/2024

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