

Dott.ssa Viviana Vitolo

Medico Radioterapista

ATTIVITÀ DI RICERCA

- Definizione di protocolli di radioterapia preoperatoria mediante ioni carbonio.
- Analisi delle variazioni anatomiche nei trattamenti di target in movimento mediante imaging 4D (TC e RM 4D).
- Definizione di studi di associazione tra ioni carbonio ed immunoterapia.

PUBBLICAZIONI

- BA Jerezek Fossa, A. Kowalczyk A D'Onofrio, G Catalano, C. Garibaldi, G. Boboc, **V Vitolo**, MC Leonardi, R.Cambria and R. Orecchia. *Three Dimensional-Conformal or Stereotactic Reirradiation of Recurrent, Metastatic or New Primary Tumors. Analysis of 108 patients.* StrahlentherOnkol. 2008 Jan; 184 (1): 36-40.
- Jerezek-Fossa BA, Vavassori A, Fodor C, Santoro L, Zerini D, Cattani F, Garibaldi C, Cambria R, Fodor A, Boboc GI, **Vitolo V**, Ivaldi GB, Musi G, de Cobelli O, Orecchia R. *Dose Escalation for Prostate Cancer Using the Three-Dimensional Conformal Dynamic Arc Technique: Analysis of 542 Consecutive Patients.* Int J Radiat Oncol Biol Phys. 2008 Jan 10.
- **Vitolo V**, Millender LE, Quivey JM, Yom SS, Schechter NR, Jerezek-Fossa BA, Milani F, Orecchia R, Xia P. *Assessment of carotid artery dose in the treatment of nasopharyngeal cancer with IMRT versus conventional radiotherapy.* Radiother Oncol. 2009 Feb;90(2):213-20.
- Alterio D, Jerezek-Fossa BA, Griseri M, D'Onofrio A, Giugliano G, Fiore MR, **Vitolo V**, Fossati P, Piperno G, Calabrese LS, Verri E, Chiesa FG, Orecchia R. *Three-dimensional conformal postoperative radiotherapy in patients with parotid tumors: 10 years' experience at the European Institute of Oncology.* Tumori. 2011 May-Jun;97(3):328-34
- Ciocca M, Cantone MC, Veronese I, Cattani F, Pedroli G, Molinelli S, **Vitolo V**, Orecchia R. *Application of failure mode and effects analysis to intraoperative radiation therapy using mobile electron linear accelerators.* Int J Radiat Oncol Biol Phys. 2012 Feb 1;82(2):e305-11.
- Orecchia R, Srivastava A, Fiore M.R., **Vitolo V.**, Fossati P, Vischioni B., Iannalfi A, Tuan J, Ciocca M, Molinelli S, Mirandola A, Vilches G, Mairani A., Tagaste B., Baroni G., Rossi S, and Krengli M. *Proton beam radiotherapy: report of the first patient treated at the Centro Nazionale di Adroterapia Oncologica (CNAO).* Tumori, 99: e34-e37, 2013
- Cantone MC, Ciocca M, Dionisi F, Fossati P, Lorentini S, Krengli M, Molinelli S, Orecchia R, Schwarz M, Veronese I, **Vitolo V.** *Application of failure mode and effects analysis to treatment planning in scanned proton beam radiotherapy.* Radiat Oncol. 2013 May 24;8(1):127.
- Orecchia R, Srivastava A, Fiore MR, **Vitolo V**, Fossati P, Vischioni B, Iannalfi A, Tuan J, Ciocca M, Molinelli S, Mirandola A, Vilches G, Mairani A, Tagaste B, Baroni G, Rossi S, Krengli M. *Proton beam radiotherapy: report of the first patient treated at the Centro Nazionale di Adroterapia Oncologica (CNAO).* Tumori. 2013 Mar-Apr; 99 (2):
- Srivastava A, Vischioni B, Fiore MR, **Vitolo V**, Fossati P, Iannalfi A, Tuan JK, Orecchia R. *Quality of life in patients with chordomas/chondrosarcomas during treatment with proton beam therapy.* J Radiat Res. 2013 Jul; 54 Suppl 1:43-48

- Tuan J, Vischioni B, Fossati P, Srivastava A, **Vitolo V**, Iannalfi A, Fiore MR, Krengli M, Mizoe JE, Orecchia R. *Initial clinical experience with scanned proton beams at the Italian National Center for Hadrontherapy (CNAO)*. J Radiat Res. 2013 Jul;54 Suppl 1:31-42
- Orecchia R, **Vitolo V**, Fiore MR, Fossati P, Iannalfi A, Vischioni B, Srivastava A, Tuan J, Ciocca M, Molinelli S, Mirandola A, Vilches G, Mairani A, Tagaste B, Riboldi M, Fontana G, Baroni G, Rossi S, Krengli M. *Proton beam radiotherapy: report of the first ten patients treated at the "Centro Nazionale di Adroterapia Oncologica (CNAO)" for skull base and spine tumours*. Radiol Med. 2013 Dec 12
- Tuan J, **Vitolo V**, Vischioni B, Iannalfi A, Fiore MR, Fossati P, Orecchia R. *Radiation therapy for retroperitoneal sarcoma*. Radiol Med. 2014 Oct;119(10):790-802.
- Schneider RA, **Vitolo V**, Albertini F, Koch T, Ares C, Lomax A, Goitein G, Hug EB. *Small bowel toxicity after high dose spot scanning-based proton beam therapy for paraspinal/retroperitoneal neoplasms*. Strahlenther Onkol. 2013 Dec;189(12):1020-5.
- Molinelli S, Magro G, Mairani A, Matsufuji N, Kanematsu N, Inaniwa T, Mirandola A, Russo S, Mastella E, Hasegawa A, Tsuji H, Yamada S, Vischioni B, **Vitolo V**, Ferrari A, Ciocca M, Kamada T, Tsujii H, Orecchia R, Fossati P. *Dose prescription in carbon ion radiotherapy: how to compare two different RBE-weighted dose calculation systems*. Radiother Oncol. 2016 Jul 6
- Cobiانchi L, Peloso A, Vischioni B, Panizza D, Fiore M R, Fossati P, **Vitolo V**, Iannalfi A, Ciocca M, Silvia B, Dominioni T, Dario B, Maestri M, Alessiani M, Valvo F, Orecchia R and Dionigi P, *Surgical spacer placement prior carbon ion radiotherapy (CIRT): an effective feasible strategy to improve the treatment for sacral chordoma*. World Journal of Surgical Oncology (2016) 14:211
- Dale JE, Molinelli S, Ciurlia E, Ciocca M, Bonora M, **Vitolo V**, Mirandola A, Russo S, Orecchia R, Dahl O, Fossati P. *Risk of carotid blowout after reirradiation with particle therapy*. Adv Radiat Oncol. 2017 Jul 6;2(3):465-474.
- Preda L, Stoppa D, Fiore MR, Fontana G, Camisa S, Sacchi R, Ghitti M, Viselner G, Fossati P, Valvo F, **Vitolo V**, Bonora M, Iannalfi A, Vischioni B, Vai A, Mastella E, Baroni G, Orecchia R. *MRI evaluation of sacral chordoma treated with carbon ion radiotherapy alone*. Radiother Oncol. 2018 Aug;128(2):203-208.
- **Vitolo V**, Fiore MR, Barcellini A, Vischioni B, Iannalfi A, Facoetti A, Fossati P, Bonora M, Ronchi S, D'Ippolito E, Petrucci R, Viselner G, Ciocca M, Preda L, Valvo F, Orecchia R. *Carbon Ion Radiotherapy in the Management of the Tumors of the Peripheral Nervous System*. Anticancer Res. 2019 Feb;39(2):909-913.
- Barcellini A, **Vitolo V**, Facoetti A, Fossati P, Preda L, Fiore MR, Vischioni B, Iannalfi A, Bonora M, Ronchi S, D'Ippolito E, Petrucci R, Viselner G, Ciocca M, Valvo F, Orecchia R. *Feasibility of Carbon Ion Radiotherapy in the Treatment of Gynecological Melanoma*. In Vivo. 2019 Mar-Apr;33(2):473-476.
- **Vitolo V**, Barcellini A, Fossati P, Fiore MR, Vischioni B, Iannalfi A, Facoetti A, Bonora M, Ronchi S, D'Ippolito E, Petrucci R, Viselner G, Preda L, Ciocca M, Valvo F, Orecchia R. *Carbon Ion Radiotherapy in the Management of Unusual Liposarcomas: A Case Report*. In Vivo. 2019 Mar-Apr;33(2):529-533