



Corrigendum: Clinical and Research Activities at the CATANA Facility of INFN-LNS: From the Conventional Hadrontherapy to the Laser-Driven Approach

Giuseppe A. P. Cirrone^{1*}, Giacomo Cuttone¹, Luigi Raffaele^{1,2}, Vincenzo Salamone^{1,2}, Teresio Avitabile², Giuseppe Privitera², Corrado Spatola², Antonio G. Amico¹, Giuseppina Larosa¹, Renata Leanza¹, Daniele Margarone³, Giuliana Milluzzo¹, Valeria Patti^{1,4}, Giada Petringa¹, Francesco Romano^{1,5}, Andrea Russo², Antonio Russo¹, Maria G. Sabini^{1,4}, Francesco Schillaci¹, Valentina Scuderi^{1,3} and Lucia M. Valastro^{1,4}

¹Laboratori Nazionali del Sud, Istituto Nazionale di Fisica Nucleare (INFN-LNS), Catania, Italy, ²Azienda Ospedaliero Universitaria Policlinico Vittorio Emanuele, Presidio Gaspare Rodolico, Catania, Italy, ³ELI-Beamlines Project, Institute of Physics ASCR, v.v.i. (FZU), Prague, Czechia, ⁴Medical Physics Section, Cannizzaro Hospital, Catania, Italy, ⁵National Physical Laboratory, Acoustic and Ionizing Radiation Division, Middlesex, United Kingdom

Keywords: proton therapy, dosimetry, clinical follow-up, Monte Carlo, laser-driven, ELIMED

OPEN ACCESS A corrigendum on

Edited and Reviewed by:

Marco Durante, Trento Institute for Fundamentals Physics Applications (TIFPA – INFN), Italy

*Correspondence:

Giuseppe A. P. Cirrone pablo.cirrone@lns.infn.it

Specialty section:

This article was submitted to Radiation Oncology, a section of the journal Frontiers in Oncology

Received: 21 September 2017 Accepted: 02 October 2017 Published: 31 October 2017

Citation:

Cirrone GAP, Cuttone G, Raffaele L, Salamone V, Avitabile T, Privitera G, Spatola C, Amico AG, Larosa G, Leanza R, Margarone D, Milluzzo G, Patti V, Petringa G, Romano F, Russo A, Russo A, Sabini MG, Schillaci F, Scuderi V and Valastro LM (2017) Corrigendum: Clinical and Research Activities at the CATANA Facility of INFN-LNS: From the Conventional Hadrontherapy to the Laser-Driven Approach. Front. Oncol. 7:247. doi: 10.3389/fonc.2017.00247

Clinical and Research Activities at the CATANA Facility of INFN-LNS: From the Conventional Hadrontherapy to the Laser-Driven Approach

by Cirrone GAP, Cuttone G, Raffaele L, Salamone V, Avitabile T, Privitera G, et al. Front Oncol (2017) 7:223. doi: 10.3389/fonc.2017.00223

Due to a mistake, Dr. A. G. Amico, Dr. G. Larosa, Dr. R. Leanza, and Dr. G. Milluzzo were not included as authors in the published article. The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way.

The corrected Author Contributions appears below.

GC is the main proposer of the CATANA activity. GAPC and DM are the main proposers of the ELIMED activity and GAPC is responsible of the CATANA proton therapy room. GAPC, GPetringa, and FR contributed on the relative dosimetry and on the Monte Carlo simulations. FR and VScuderi contributed in the experimental and dosimetric part of the paper with particular regard to the laser-driven activities. FS and AntonioR are the main responsible of the ELIMED transport beamline. VSalamone and LR contributions are on absolute dosimetry, dosimetry tests, and patients positioning. They are the medical physicists following the treatments. CS and GPrivitera are the oncologists and radiotherapist dedicated to the treatments. TA and AndreaR are the oculists who follow the patients after the treatment producing the follow-up results. VP, MS, and LV are the medical physicists involved in the use of TLD detectors in the laser-driven proton beams. GL, RL and AA contributed to the ELIMED dosimetry working on the Faraday Cup tests. GM contributed on the diagnostic and, partially, on the Monte Carlo activities of ELIMED.

The original article was also updated.

Conflict of Interest Statement: The authors declare that the research was conducted in the absence of any commercial or financial relationships that could be construed as a potential conflict of interest.

Copyright © 2017 Cirrone, Cuttone, Raffaele, Salamone, Avitabile, Privitera, Spatola, Amico, Larosa, Leanza, Margarone, Milluzzo, Patti, Petringa, Romano, Russo, Russo, Sabini, Schillaci, Scuderi and Valastro. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) or licensor are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.