

ALLEGATO D AL VERBALE N. 3

TITOLI E PUBBLICAZIONI VALUTABILI

**PROCEDURA SELETTIVA DI CHIAMATA PER N. 1 POSTO DI RICERCATORE A TEMPO DETERMINATO DI TIPOLOGIA B PER IL SETTORE CONCORSUALE 06/E3 - SETTORE SCIENTIFICO-DISCIPLINARE MED-27 - PRESSO IL DIPARTIMENTO DI NEUROSCIENZE, SALUTE MENTALE ED ORGANI DI SENSO (NESMOS) DELL'UNIVERSITÀ DEGLI STUDI DI ROMA "LA SAPIENZA" BANDITA CON D.R. N. 3801/2022 DEL 21.12.2022**

L'anno 2023 il giorno 26 del mese di aprile in Roma si è riunita nei locali del Dipartimento di Neuroscienze, Salute Mentale Ed Organi Di Senso (NESMOS) (ovvero si è riunita in modalità telematica su piattaforma Google Meet al seguente indirizzo <https://meet.google.com/esh-rzrm-mok>) la Commissione giudicatrice della procedura selettiva di chiamata per n. 1 posto di Ricercatore a tempo determinato di tipologia B per il Settore concorsuale 06/E3 – Settore scientifico-disciplinare MED-27 - presso il Dipartimento di Neuroscienze, Salute Mentale Ed Organi Di Senso (NESMOS) dell'Università degli Studi di Roma "La Sapienza", nominata con D.R. n. 3801/2022 del 21.12.2022 e composta da:

- Prof. Antonino Raco – professore ordinario presso il Dipartimento di Neuroscienze, Salute Mentale Ed Organi Di Senso (NESMOS) dell'Università degli Studi di Roma "Sapienza";
- Prof. Marco Maria Fontanella – professore ordinario presso il Dipartimento di Specialità Medico-Chirurgiche dell'Università degli Studi di Brescia
- Prof. Domenico La Torre – professore associato presso il Dipartimento di Scienze Mediche e Chirurgiche dell'Università degli Studi di Catanzaro

Il Professor Marco Maria Fontanella ed il Professor Domenico La Torre sono collegati in via telematica su piattaforma Google Meet.

La Commissione inizia i propri lavori alle ore 12.15

La Commissione prende atto dei titoli per i quali sia stata presentata idonea documentazione ai sensi dell'art. 3 del bando]

CANDIDATO: Luca Ricciardi

VERIFICA TITOLI VALUTABILI:

1 – Training e formazione

- School of Medicine and Surgery at Sapienza University of Rome, Italy: degree with laude in 2014 presenting a research study on Glioma biomolecular patterns – Supervisor Prof. Antonino Raco
- Course for excellent students at Sapienza University of Rome, Department of Scienze e Biotecnologie Mediche e Chirurgiche, Latina, Italy – Supervisor Prof.ssa Antonella Calogero
- Research Fellowship at Mayo Clinic College of Medicine, Jacksonville, FL, US – Supervisor Prof. Alfredo Quinones-Hinojosa (Chairman) and Prof Selby Chen (Director of the Spinal Division)
- Clinical Fellowship at the Catholic University of Milan, Unit of Spinal Surgery, Department of Orthopedics, Fondazione Policlinico Universitario A. Gemelli IRCCS in Rome, Italy – Supervisor Prof F.C. Tamburrelli (Chairman) and Prof Luca Proietti.
- Surgical and cadaver lab course on posterior cervical surgery for degenerative and traumatic disorders at the ICLO of Verona – Chairman Dr Francesco De Iure
- Surgical and Cadaver Lab course on Minimally Disruptive Posterior Solutions Training in Amsterdam – Chairman Mr Stuart James

- Residency in Neurosurgery and Neurotraumatology at the Catholic University of Milan, Fondazione Policlinico Universitario A. Gemelli IRCCS in Rome, Italy – Program Director Prof. Alessandro Olivi
- University Master – Surgery of the craniovertebral junction at the Catholic University of Milan, Fondazione Policlinico Universitario A. Gemelli IRCCS in Rome, Italy – Director Prof. Massimiliano Visocchi
- The Four-Year Training Course of the European Association of Neurosurgical Societies (EANS) – Chariman for the Educational Activities of the EANS Prof. Claudius Thomé
- Fellow of the European Board of the Neurological Surgery - Chariman for the Educational Activities of the EANS Prof. Claudius Thomé
- Course on the Treatment of degenerative conditions at L5-S1 in the lateral position in Milan, Italy – Chairman Dr Pedro Berjano and Prof Jake Timothy
- Doctor of Philosophy (PhD) in Neurosensorial Plasticity at the Department of NESMOS, Sapienza University of Rome, Italy – Director Prof. Maurizio Barbara and Supervisor Prof. Massimo Miscusi

## 2 - Esperienza Lavorativa

- January 2021 to date: Consultant Neurosurgeon at AOU Sant'Andrea – Rome, Italy
- January 2021 to date: Consultant Neurosurgeon at Casa di Cura Cascini S.r.l. – Belvedere Marittimo (CS), Italy
- November 2020 to date: PhD candidate in Neurosensorial Plasticity at Department of NESMOS, Sapienza University, Rome, Italy
- January 2020 to December 2020: Physician in Neurosurgery at Pia Fondazione di Culto e Religione Cardinal G. Panico – Tricase (LE), Italy
- May 2018 to November 2018: Research Fellowship at Mayo Clinic College of Medicine, Jacksonville, FL, US
- December 2016 to October 2017: Clinical Fellowship in Spine Surgery at the Unit of Spinal Surgery, Department of Orthopedics, Catholic University of Milan, Fondazione Policlinico Universitario A. Gemelli IRCCS in Rome, Italy
- December 2014 to December 2019: Resident in Neurosurgery and Neurotraumatology at Catholic University of Milan, Fondazione Policlinico Universitario A. Gemelli IRCCS in Rome, Italy

## 3 – Esperienza professionale specialistica chirurgica ed ambulatoriale

From 2014 to present: 1259 surgical procedures divided as it follows

- 602 procedures as first operator including:
  - 163 cranial procedures: brain tumors and metastases, meningioma, hydrocephalus, intracranial aneurysms, arteriovenous malformations, cranioplasty, others.
  - 403 spinal procedures: thoracolumbar instrumented elective surgery using posterior and/or anterior approaches, thoracolumbar fractures fixations w/wo decompression, scoliosis correction, revision surgeries for degenerative disorders, anterior cervical decompression and fusion, odontoid screw placement, anterior C1-C2 trans-articular screw placement, posterior cervical decompression w/wo fusion.
  - 56 peripheral nerves and functional neurosurgery: ulnar nerve release at the carpal or the cubital tunnel, peripheral nerve biopsy, spinal cord stimulation, deep brain stimulation, vagal nerve stimulation.
- 657 procedures as second surgeon or assistant.

From January 2019

- More than 1000 clinical examinations and neurosurgical consultations in public hospitals and private clinics

## 4 – Capacità e competenze organizzative

- *Italian delegate at the European Association of Neurosurgical Societies from 2021*
- *Co-Chairman at the II and III SPINE20 International Congress – event related to the G20 in Italy (2021) and in Indonesia (2022)*
- *President of the Scientific Committee of the SPINE20 in 2021*
- *Chairman at the Italian Spine Symposium of SpineArt in 2022*
- *Co-Chairman of the II (2021) and IV (2022) Neurosurgical Basics course for neurosurgical residents*
- *Tutor at the III Neurosurgical Basics course for neurosurgical resident in Naples 2022*
- *Coordinator of the Journal Club meetings for residents and physicians at the AOU Sant'Andrea Hospital in Rome in 2021*

- *Tutor in the Thesis project for students graduating in Medicine and Surgery (2 students in 2021 and 2 students in 2022)*

## 5 – Premi e riconoscimenti

- *Premio Europeo Beniamino Guidetti awarded by the Italian Society of Neurosurgery in 2021 at the Annual Congress in Milan – President Prof. Paolo Cappabianca*
- *Invited Speaker at the II edition of the European Science Slam in 2018 during the EANS annual congress in Brussels – Chairman Prof Luca Regli*
- *Invited Guest Editors for Systematic Reviews and Meta-Analyses on the Journal of Neurosurgical Sciences in 2021 – Editor in Chief Prof. Marco Maria Fontanella*
- *Honorary Recognition from the Italian Coast Guard, the Italian Military Marine and the Italian Ministry of Defense in 2016 – Voluntary Medical Doctor involved in the Search and Rescue project from the European Union*
- *Invited Professor of Behavioral Economics as part of the course of Data Protection at Guido Luiss International University – Coordinator Prof. Pierluigi Congedo*
- *Web of Science Academy Mentor from 2020*
- *Letter of recommendation signed by Dr Alfredo Quinones-Hinojosa – Full Professor and chairman of Neurosurgery at Mayo Clinic College of Medicine, United States of America*

## 6 – Attività editoriale e di peer-review

- *Editorial Board Member: Frontiers in Surgery, Medical Science Monitoring, CPQ Neurology and Psychology, Journal of Spine Research*
- *Guest Editor: Frontiers in Neurology, Frontiers in Oncology, Journal of Neurosurgical Sciences, Journal of Personalized Medicine, Journal of Clinical Medicine, Journal of Integrative Neuroscience, Life, Cells, Biomed Research International*
- *Ad hoc peer reviewer: Journal of neurosurgical sciences, World neurosurgery, Neurosurgical review, Frontiers in surgery, Frontiers in Oncology, Frontiers in Neurology, Journal of Personalized Medicine, Journal of Clinical Medicine, American Journal of Case Reports, Clinical Neurology and Neurosurgery, Global spine journal*
- *Invited Reviewer for Abstract acceptance at EANS annual Congress in 2022 and 2023*
- *Editor per il libro dal Titolo: Cerebral Circulation - Updates on Models, Diagnostics and Treatments of Related Diseases" ISBN: 978-1-80355-361-0 Print ISBN: 978-1-80355-360-3 - Editore InterchOpen*
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- *Editor per il libro dal Titolo: Spinal Cord Injury - Current Trends in Acute Management, Function Preservation and Rehabilitation Protocols" - ISBN: 978-1-80355-877-6 Print ISBN: 978-1-80355-876-9 eBook (PDF) ISBN: 978-1-80355-878-3 - InterchOpen*

## 7 – Congressi

- *Member of the scientific committee at the VII Neurorehabilitation and Reconstructive Neurosurgery symposium, in 2015 – event connected to the World Federation of Neurosurgical Societies*
- *Speaker at the Global spine annual congress in Milan in 2017*
- *Speaker at the SINCH 2017 Congress in Verona "Correzione delle deformità nel tratto lombare: mismatch tra misurazione intra operatoria e post-operatoria in ortostatismo del grado di lordosi. quali correlazioni?".*
- *Speaker at the 41° SICV&GIS congress in Cagliari - 2018. "Valutazione clinica e radiografica del grado di fusione intersomatica con approccio trans psoas mini invasivo".*
- *Invited speaker at the EUROPEAN SCIENCE SLAM during the EANS Congress 2018 in Bruxelles. Event promoted by the Department of Neurosurgery University Hospital Zurich*
- *Speaker at the SICV&GIS annual congress in Mestre (VE) – 2019*
- *Vice Chairman and President of the Scientific Committee at the Spine20 Congress in Rome – event connected to the G20 and including the major Societies for Spinal disorders (NASS, AO SPINE, SSS, ISS, Eurospine, SICV&GIS)*

- Speaker at the 71th SINCh congress in Naples in 2022
- Invited speaker at the World Federation of Neurosurgical Societies - Neurorehabilitation and reconstruction Neurosurgery committee, al Webinar intitolato "Preventing and performing rehabilitation by functional reconstruction: philosophy and techniques"- 2022
- Invited speaker at the Neurosurgical Classroom on the management of vertebral metastases, promoted by Società Italiana di Neurochirurgia (SINCH) in 2020

## 8 – Progetti di Ricerca e grants

- Member of the scientific team as investigator - PRIN2020 “Nnovative Molecular Aspects Of Degenerative Disc Disease: Relationship Between Trpc6 Channel And The Clinico-Radiological Cascade” PI: Prof. A. Raco
- Member of the scientific team as investigator - PRIN2020 Additive Manufacturing di polimeri biocompatibili e leghe metalliche per la ricostruzione maxillo-facciale PI: Prof. F. Trovalusci
- Member of the scientific team as investigator and co-responsible of the investigational unit – PRIN 2022 PNRR (under evaluation “Creation of a standardized tool for the evaluation of fine movements of the hand in neurological and neurosurgical diseases.” PI: Prof. M. Fontanella

## 9 – Studi di collaborazione in Corso

- Investigator and responsible for the Italian contributing centers:The European Robotic Spinal Instrumentation (EURO- SPIN) study Coordinator: Dr V. Starjeetes – Zurich
- Investigator in the neurosurgical unit contributing to the study on “the role of TPRC receptors in the intervertebral disc degeneration and pain genesis: perspectives for the targeted therapy” In collaboration with the University of Rome 3 – Prof. M. Colasanti

## 10 – Ruoli di insegnamento

- Responsible for the course of neurosurgery for physiotherapists at the San Camillo Forlanini Hospital - Sapienza University
- Responsible for the course of neurosurgery for physiotherapists at the San Filippo Neri Hospital – Sapienza University
- Invited Professor of Behavioral Economics as part of the course of Data Protection at Guido Luiss International University – Coordinator Prof. Pierluigi Congedo
- Tutor in the Thesis project for students graduating in Medicine and Surgery (2 students in 2021 and 2 students in 2022)
- Invited Professor of Surgical Anatomy of the spine and the craniovertebral junction at Catholic University of Rome
- Web of Science Academy mentor for training young researchers in the peer-review process for international journals

## 11 – Contributi a libri o capitoli di libro

- Ruolo: Editor; Titolo: Cerebral Circulation - Updates on Models, Diagnostics and Treatments of Related Diseases" ISBN: 978-1-80355-361-0Print ISBN: 978-1-80355-360-3 - Editore InterchOpen
- Ruolo: Editor; Titolo: Spinal Cord Injury - Current Trends in Acute Management, Function Preservation and Rehabilitation Protocols" - ISBN: 978-1-80355-877-6 Print ISBN: 978-1-80355-876-9 eBook (PDF) ISBN: 978-1-80355-878-3 - InterchOpen
- Autore capitolo di libro: Brain swelling in traumatic brain injury - January 2022 DOI: 10.1016/B978-0-12-823347-4.00041-5 In book: Diagnosis and Treatment of Traumatic Brain Injury
- Autore capitol di libro: Fusion Rate after LLIF procedure in lumbar adult deformities: The state of art November 2020

## 12 – Indici bibliometrici

*Author of 91 publications on Scopus and 89 on Web of Science*

*First author: 34 out of 91 papers, 37% (Scopus) - 34% (Official Web of Science Data) Second Author: 9 out of 91 papers*

*Last author: 1 out of 91 papers*

*Corresponding author: 24% (Official Web of Science Data)*

*Total number of citations: 604 (Scopus) and 544 (WoS) Mean number of citations: 6,64 (Scopus)*

*Hirsh index: 13 (Scopus and WoS)*

*Verified Peer-reviews: 150 (Official Web of Science Data) Verified Editor Records: 13 (Official Web of Science Data)*

*Author impact factor: 2.49 (Scopus)*

*Mean impact factor: 2,66 (Scopus) Global impact factor: 241,726 (Scopus)*

## VERIFICA PUBBLICAZIONI VALUTABILI

*1 - Ricciardi, L., Stifano, V., Proietti, L., Perna, A., Della Pepa, G.M., La Rocca, G., Olivi, A., Polli, F.M.*

*Intraoperative and Postoperative Segmental Lordosis Mismatch: Analysis of 3 Fusion Techniques*

*(2018) World Neurosurgery.*

*Impact Factor: 1.723*

*DOI: 10.1016/j.wneu.2018.04.126*

*Primo Autore*

*2 - Ricciardi, L., Chaichana, K.L., Cardia, A., Stifano, V., Rossini, Z., Olivi, A., Sturiale, C.L.*

*The Exoscope in Neurosurgery: An Innovative “Point of View”. A Systematic Review of the Technical, Surgical, and Educational Aspects*

*(2019) World Neurosurgery.*

*Impact Factor: 1.820*

*DOI: 10.1016/j.wneu.2018.12.202*

*Primo Autore*

*3 - Ricciardi, L., Sturiale, C.L., Pucci, R., Reale, G., Stifano, V., Izzo, A., Perna, A., Proietti, L., Forcato, S., Rivera Perla, K.M., El Boustany, S., Olivi, A., Polli, F.M.*

*Patient-Oriented Aesthetic Outcome After Lumbar Spine Surgery: A 1-Year Follow-Up Prospective Observational Study Comparing Minimally Invasive and Standard Open Procedures*

*(2019) World Neurosurgery.*

*Impact Factor: 1.820*

*DOI: 10.1016/j.wneu.2018.10.208*

*Primo Autore*

*4 - Ricciardi, L., Sturiale, C.L., Izzo, A., Pucci, R., Valentini, V., Montano, N., Polli, F.M., Visocchi, M., Vivas-Buitrago, T., Chaichana, K.L., Quinones-Hinojosa, A., Olivi, A., Chen, S.*

*Submandibular Approach for Single-Stage Craniovertebral Junction Ventral Decompression and Stabilization: A Preliminary Cadaveric Study of Technical Feasibility*

*(2019) World Neurosurgery.*

*Impact Factor: 1.820*

*DOI: 10.1016/j.wneu.2019.04.038*

*Primo Autore*

*5 - Ricciardi, L., Stifano, V., D'Arrigo, S., Polli, F.M., Olivi, A., Sturiale, C.L.*

*The role of non-rigid cervical collar in pain relief and functional restoration after whiplash injury: a systematic review and a pooled analysis of randomized controlled trials*

*(2019) European Spine Journal.*

*Impact Factor: 2.44*

*DOI: 10.1007/s00586-019-06035-9*

*Primo Autore*

*6 - Ricciardi, L., Montano, N., D'Onofrio, G.F., Polli, F.M., Latini, M., Bellesi, A., Bivi, F., Olivi, A., Sturiale, C.L.*

*X-ray exposure in odontoid screwing for Anderson type II fracture: comparison between O-arm and C-arm-assisted procedures*

*(2020) Acta Neurochirurgica.*

*Impact Factor: 2.216*

*DOI: 10.1007/s00701-019-04108-8*

*Primo Autore*

*7 - Proietti, L., Perna, A., Ricciardi, L., Fumo, C., Santagada, D.A., Giannelli, I., Tamburrelli, F.C., Leone, A.*

*Radiological evaluation of fusion patterns after lateral lumbar interbody fusion: institutional case series*

(2021) *Radiologia Medica*.

*Impact Factor: 6.313*

*DOI: 10.1007/s11547-020-01252-5*

*Co-Primo Autore*

8 - Ricciardi, L., Trungu, S., Scerrati, A., De Bonis, P., Rustemi, O., Mazzetto, M., Lofrese, G., Cultrera, F., Barrey, C.Y., Di Bartolomeo, A., Piazza, A., Miscusi, M., Raco, A.

*Odontoid screw placement for Anderson type II odontoid fractures: How do duration from injury to surgery and clinical and radiological factors influence the union rate? A multicenter retrospective study*

(2021) *Journal of Neurosurgery: Spine*.

*Impact Factor: 3.602*

*DOI: 10.3171/2020.6.SPINE20318*

*Primo Autore*

9 - Ricciardi, L., Piazza, A., Capobianco, M., Della Pepa, G.M., Miscusi, M., Raco, A., Scerrati, A., Somma, T., Lofrese, G., Sturiale, C.L.

*Lumbar interbody fusion using oblique (OLIF) and lateral (LLIF) approaches for degenerative spine disorders: a meta-analysis of the comparative studies*

(2021) *European Journal of Orthopaedic Surgery and Traumatology*.

*Impact Factor: 2.04*

*DOI: 10.1007/s00590-021-03172-0*

*Primo Autore*

10 - Ricciardi, L., Pucci, R., Piazza, A., Lofrese, G., Scerrati, A., Montemurro, N., Raco, A., Miscusi, M., Ius, T., Zeppieri, M.

*Role of stem cells-based in facial nerve reanimation: A meta-analysis of histological and neurophysiological outcomes*

(2022) *World Journal of Stem Cells*.

*Impact Factor: 5.326*

*DOI: 10.4252/wjsc.v14.i6.420*

*Primo Autore*

11 - Miscusi, M., Ricciardi, L., Piazza, A., Capobianco, M., Lofrese, G., Acqui, M., Trungu, S., Raco, A.

*Referencing for anterior atlantoaxial trans-articular osteosynthesis: a radiological study and proposal of a decisional algorithm*

(2022) *European Spine Journal*.

*Impact Factor: 3.134*

*DOI: 10.1007/s00586-022-07380-y*

*Co-Primo Autore*

12 - Trungu, S., Ricciardi, L., Forcato, S., Piazza, A., D'Andrea, G., Polli, F.M., Cimatti, M., Frati, A., Miscusi, M., Raco, A.

*Percutaneous pedicle screw fixation without arthrodesis of 368 thoracolumbar fractures: long-term clinical and radiological outcomes in a single institution*

(2022) *European Spine Journal*.

*Impact Factor: 3.134*

*DOI: 10.1007/s00586-022-07339-z*

*Secondo Autore*

13 - Trungu, S., Ricciardi, L., Forcato, S., Miscusi, M., Raco, A.

*Percutaneous instrumentation with cement augmentation for traumatic hyperextension thoracic and lumbar fractures in ankylosing spondylitis: a single-institution experience*

(2021) *Neurosurgical Focus*.

*Impact Factor: 4.332*

*DOI: 10.3171/2021.7.FOCUS21308*

*Secondo Autore*

14 - Trungu, S., Ricciardi, L., Forcato, S., Scollato, A., Minniti, G., Miscusi, M., Raco, A.

*Anterior corpectomy and plating with carbon-peek instrumentation for cervical spinal metastases: Clinical and radiological outcomes*

(2021) *Journal of Clinical Medicine*.

*Impact Factor: 4.81*

DOI: 10.3390/jcm10245910

*Secondo Autore*

15 - Lofrese, G., Ricciardi, L., De Bonis, P., Cultrera, F., Cappuccio, M., Scerrati, A., Martucci, A., Musio, A., Tosatto, L., De Iure, F.

*Use of the SpineJack direct reduction for treating type A2, A3 and A4 fractures of the thoracolumbar spine: a retrospective case series*

(2022) *Journal of neurointerventional surgery*.

DOI: 10.1136/neurintsurg-2021-017682

*Impact Factor: 8.572*

*Secondo Autore*

#### CONSISTENZA COMPLESSIVA DELLA PRODUZIONE SCIENTIFICA:

Il candidato presenta una produzione complessiva pari a n. 91 pubblicazioni.

La Commissione termina i propri lavori alle ore 13.00

Letto, approvato e sottoscritto.

Firma del Commissari

Prof Antonino Raco (Presidente – in sede)