

ERIK ROMAN-POGNUZ *MD, PhD*

PERSONAL INFORMATION

★ Business Address:

- SC anestesia e rianimazione, Dipartimento di emergenza e urgenza
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Istruzione e formazione:

Settembre 2022	Abilitazione Scientifica Nazionale alle funzioni di professore universitario di Seconda Fascia nel Settore Concorsuale 06/L1 - ANESTESIOLOGIA
Ott 2021- Presente	Ricercatore tipo B MED 41 Anestesia e rianimazione Università degli Studi di Trieste
Mar 2019	PhD graduation in Neuroscience and Cognitive science (NESC) Dipartimento di Scienze della Vita Università degli Studi di Trieste Ref: Prof. Paolo Manganotti
Ago 2017- Apr 2018	Visiting Scholar. Department of Emergency Medicine, UPMC. University of Pittsburgh, PA. USA. Ref: Prof Clifton Callaway
Ott. 2004-Ott. 2008	Specializzazione in anestesia e rianimazione e terapia del dolore Università degli Studi di Trieste Ref: Prof Giorgio Berlot - Prof Umberto Lucangelo
Giu 2005	Abilitazione Professionale medica
AY 2003-2004	Laurea magistrale in Medicina e Chirurgia Università degli Studi di Trieste

Esperienza lavorativa:

Ott 2022- Presente	Responsabile terapia intensiva post operatoria (TIPO) SC anestesia e Rianimazione Azienda sanitaria universitaria Giuliano Isontina ASUGI
Gen 2021 - Feb 2022	Responsabile clinico della terapia intensiva Covid Azienda Sanitaria Universitaria Giuliano Isontina ASUGI
Nov 2014 - Ott 2021	Dirigente medico a tempo indeterminato in anestesia e rianimazione Azienda Sanitaria Universitaria Giuliano Isontina ASUGI
Nov 2016 - Jun 2018	Dirigente medico <i>convenzionato</i> Servizio regionale emergenza 118 - FVG - Udine
Nov 2012 - Nov 2014	Dirigente medico <i>a tempo indeterminato</i> UCO anestesia e rianimazione centrale Azienda Sanitaria Universitaria di Padova
Sept 2009 - Mar 2012	Dirigente medico a tempo indeterminato in anestesia e rianimazione Azienda ospedaliera universitaria di Trieste AO/US
Jan 2009 - Sept 2009	Dirigente medico <i>a tempo determinato</i> ASS1 Triestina Servizio regionale emergenza 118 - Trieste

Posizioni di ricerca

Ott 2021 - Presente	Presidente regionale della società scientifica nazionale S.I.A.A.R.T.I. per Friuli Venezia Giulia. https://www.siaarti.it/
Gen 2022 - Presente	Rete regionale delle emergenze cardiovascolari - Rete cuore Membro consiglio Responsabile Dott. Di Chiara
Gen 2020 - Gen 2022	Membro del comitato scientifico della società scientifica - Italian Resuscitation Council (IRC) https://www.ircouncil.it/irc/struttura/
Sep 2020 -Presente	Lecturer per la SC Neurologia Università degli Studi di Trieste
Apr 2020 - Dic 2020	Local Investigator - Multicenter study on the efficacy and tolerability of tocilizumab in the treatment of patients with COVID-19 pneumonia - Eu-draCT Number: 2020-001110-38 - Istituto Nazionale Tumori, IRCCS, Fondazione G. Pascale - Via M. Semmola 80131Napoli
Mag 2020 - Gen 2021	Local principal investigator. Delirium in Critically ill patients with SARS-COV-2 Infection - https://www.icudelirium.org/projects/covid-d Vanderbilt University Medical Center -Nashville, Tennessee, United States
Giu 2021- Presente	Principal Investigator - Registro regionale sull'arresto cardiaco Friuli Venezia Giulia
Nov 2014 .Present	Docente per la scuola di specializzazione in anestesia e rianimazione Università degli Studi di Trieste
May 2019 - Present	Italian principal investigator. TRansfusion Strategies in Acute Brain INjured Patients (TRAIN) study Trial - ESICM - ClinicalTrials.gov Identifier: NCT02968654
Mar 2019 - Mar 2020	Local principal investigator. Targeted Hypothermia Versus Targeted Normothermia After Out-of-hospital Cardiac Arrest (TTM-2) - ClinicalTrials.gov Identifier: NCT02908308

Ricerca, pubblicazioni e attività accademiche

The Effects of Hemoadsorption on the Kinetics of Antibacterial and Antifungal Agents. Berlot, Giorgio, Di Bella, Stefano, Tomasini, Ariella, **Roman-Pognuz, Erik** (2022). *ANTIBIOTICS*, vol. 11, p. "-", ISSN: 2079-6382, doi: 10.3390/antibiotics11020180

Effects of tocilizumab versus hemoadsorption combined with tocilizumab in patients with SARS-CoV-2 pneumonia: Preliminary results. Berlot G., Pintacuda S., Moro E., Paluzzano G., Scamperle A., Chillemi A., Longo I., Dattola R., **Roman-Pognuz E.**, Tomasini A. (2022). *INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS*, vol. 45, p. 75-80, ISSN: 0391-3988, doi: 10.1177/0391398821989334

Reactivation of Herpes Simplex Virus Type 1 (HSV-1) Detected on Bronchoalveolar Lavage Fluid (BALF) Samples in Critically Ill COVID-19 Patients Undergoing Invasive Mechanical Ventilation: Preliminary Results from Two Italian Centers. Giacobbe, Daniele Roberto, Di Bella, Stefano Di, Dettori, Silvia, Brucci, Giorgia, Zerbato, Verena, Pol, Riccardo, Segat, Ludovica, D'Agaro, Pierlanfranco, **Roman-Pognuz, Erik**, Friso, Federica, Principe, Luigi, Lucangelo, Umberto, Ball, Lorenzo, Robba, Chiara, Battaglini, Denise, De Maria, Andrea De, Brunetti, Iole, Patroniti, Nicolò, Briano, Federica, Bruzzone, Bianca, Guarana, Giulia, Magnasco, Laura, Dentone, Chiara, Icardi, Giancarlo, Pelosi, Paolo, Luzzati, Roberto, Bassetti, Matteo (2022). *MICROORGANISMS*, vol. 10, p. "-", ISSN: 2076-2607, doi: 10.3390/microorganisms10020362

Multimodal Long-Term Predictors of Outcome in Out of Hospital Cardiac Arrest Patients Treated with Targeted Temperature Management at 36 °C. **Roman-Pognuz E**, Elmer J, Guyette FX, Poillucci G, Lucangelo U, Berlot G, Manganotti P, Peratoner A, Pellis T, Taccone F, Callaway C. *J Clin Med*. 2021 Mar 23;10(6):1331. doi: 10.3390/jcm10061331. PMID: 33807041; PMCID: PMC8005130.

Hypothermia versus Normothermia after Out-of-Hospital Cardiac Arrest. Dankiewicz J, Cronberg T, Lilja G, Jakobsen JC, Levin H, Ullén S, Rylander C, Wise MP, Oddo M, Cariou A, Bělohávek J, Hovdenes J, Saxena M, Kirkegaard H, Young PJ, Pelosi P, Storm C, Taccone FS, Joannidis M, Callaway C, Eastwood GM, Morgan MPG, Nordberg P, Erlinge D, Nichol AD, Chew MS, Hollenberg J, Thomas M, Bewley J, Sweet K, Grejs AM, Christensen S, Haenggi M, Levis A, Lundin A, Düring J, Schmidbauer S, Keeble TR, Karamasis GV, Schrag C, Faessler E, Smid O, Otáhal M, Maggiorini M, Wendel Garcia PD, Jaubert P, Cole JM, Solar M, Borgquist O, Leithner C, Abed-Maillard S, Navarra L, Annborn M, Undén J, Brunetti I, Awad A, McGuigan P, Bjørkholm Olsen R, Cassina T, Vignon P, Langeland H, Lange T, Friberg H, Nielsen N; **TTM2 Trial Investigators**. *N Engl J Med*. 2021 Jun 17;384(24):2283-2294. doi: 10.1056/NEJMoa2100591. PMID: 34133859.

A Comparison of Retrobulbar, Sub-Tenon's Anesthesia and Medial Canthus Episcleral Anesthesia for 25-Gauge Posterior Vitrectomy. Roman-Pognuz D, Scarpa G, Virgili G, **Roman-Pognuz E**, Paluzzano G, Cavarzeran F. *Retina*. 2021 Jul 10. doi: 10.1097/IAE.0000000000003260. Epub ahead of print. PMID: 34267116.

Impaired Right Ventricular Longitudinal Strain Without Pulmonary Hypertension in Patients Who Have Recovered From COVID-19. Nuzzi V, Castrichini M, Collini V, **Roman-Pognuz E**, Di Bella S, Luzzati R, Berlot G, Confalonieri M, Merlo M, Stolfo D, Sinagra G. *Circ Cardiovasc Imaging*. 2021 Apr;14(4):e012166. doi: 10.1161/CIRCIMAGING.120.012166. Epub 2021 Apr 8. PMID: 33827250.

Combining perampanel and ketamine in super refractory post-traumatic status epilepticus: A case report. Manganotti P, Cheli M, Dinoto A, Biaduzzini F, Tomaselli M, Mazzon G, **Roman-Pognuz E**, Meletti S. *Seizure*. 2021 Jul;89:59-61. doi: 10.1016/j.seizure.2021.04.026. Epub 2021 May 9. PMID: 34015571.

Prevalence, associated factors and outcomes of pressure injuries in adult intensive care unit patients: the DecubICUs study. Labeau SO, Afonso E, Benbenishty J, Blackwood B, Boulanger C, Brett SJ, Calvino-Gunther S, Chaboyer W, Coyer F, Deschepper M, François G, Honore PM, Jankovic R, Khanna AK, Llaurado-Serra M, Lin F, Rose L, Rubulotta F, Saager L, Williams G, Blot SI; DecubICUs Study Team; European Society of Intensive Care Medicine (ESICM) Trials Group Collaborators. *Intensive Care Med.* 2021 Feb;47(2):160-169. doi: 10.1007/s00134-020-06234-9. Epub 2020 Oct 9. Erratum in: *Intensive Care Med.* 2021 Apr;47(4):503-520. PMID: 33034686; PMCID: PMC7880913.

Neck circumference as reliable predictor of mechanical ventilation support in adult inpatients with COVID-19: A multicentric prospective evaluation. Di Bella S, Cesareo R, De Cristofaro P, Palermo A, Sanson G, **Roman-Pognuz E**, Zerbato V, Manfrini S, Giacomazzi D, Dal Bo E, Sambataro G, Macchini E, Quintavalle F, Campagna G, Masala R, Ottaviani L, Del Borgo C, Ridola L, Leonetti F, Berlot G, Luzzati R. *Diabetes Metab Res Rev.* 2021 Jan;37(1):e3354. doi: 10.1002/dmrr.3354. Epub 2020 Jun 14. PMID: 32484298; PMCID: PMC7300447.

Potential links between COVID-19-associated pulmonary aspergillosis and bronchiectasis as detected by high resolution computed tomography. Baratella E, Roman-Pognuz E, Zerbato V, Minelli P, Cavallaro MFM, Cova MA, Luzzati R, Lucangelo U, Sanson G, Friso F, Bussani R, Pinamonti M, Buseti M, Salton F, Confalonieri M, Ruaro B, Di Bella S. *Front Biosci (Landmark Ed).* 2021 Dec 30;26(12):1607-1612. doi: 10.52586/5053. PMID: 34994174.

Chest X-ray in intensive care unit patients: what there is to know about thoracic devices. Baratella E, Marrocchio C, Bozzato AM, **Roman-Pognuz E**, Cova MA. *Diagn Interv Radiol.* 2021 Sep;27(5):633-638. doi: 10.5152/dir.2021.20497. PMID: 34559048; PMCID: PMC8480947.

Tocilizumab for patients with COVID-19 pneumonia. The single-arm TOCIVID-19 prospective trial. Perrone F, Piccirillo MC, Ascierto **TOCIVID-19 investigators**, Italy. *J Transl Med.* 2020 Oct 21;18(1):405. doi: 10.1186/s12967-020-02573-9. Erratum in: *J Transl Med.* 2021 Oct 21;19(1):442. PMID: 33087150; PMCID: PMC7576974.

Prevalence and risk factors for delirium in critically ill patients with COVID-19 (COVID-D): a multicentre cohort study. Pun BT, Badenes R, COVID-19 **Intensive Care International Study Group**. *Lancet Respir Med.* 2021 Mar;9(3):239-250. doi: 10.1016/S2213-2600(20)30552-X. Epub 2021 Jan 8. Erratum in: *Lancet Respir Med.* 2021 Jan 27; PMID: 33428871; PMCID: PMC7832119.

Effects of tocilizumab versus hemoadsorption combined with tocilizumab in patients with SARS-CoV-2 pneumonia: Preliminary results. Int J Artif Organs. Berlot G, Pintacuda S, Moro E, Paluzzano G, Scamperle A, Chillemi A, Longo I, Dattola R, **Roman-Pognuz E**, Tomasini A. 2021 Feb 11:391398821989334. doi: 10.1177/0391398821989334. Epub ahead of print. PMID: 33573449.

Incidence and Prognosis of Ventilator-Associated Pneumonia in Critically Ill Patients with COVID-19: A Multicenter Study. Giacobbe DR, Battaglini D, Enrile EM, Dentone C, Vena A, Robba C, Ball L, Bartoletti M, Coloretti I, Di Bella S, Di Biagio A, Brunetti I, Mikulska M, Carannante N, De Maria A, Magnasco L, Maraolo AE, Mirabella M, Montrucchio G, Patroniti N, Taramasso L, Tiseo G, Fornaro G, Franganza F, Monastra L, **Roman-Pognuz E**, Paluzzano G, Fiorentino G, Corcione A, Bussini L, Pascale R, Corcione S, Tonetti T, Rinaldi M, Falcone M, Biagioni E, Ranieri VM, Giannella M, De Rosa FG, Girardis M, Menichetti F, Viale P, Pelosi P, Bassetti M. *J Clin Med.* 2021 Feb 3;10(4):555. doi: 10.3390/jcm10040555. PMID: 33546093; PMCID: PMC7913191.

Kinetics of Immunoglobulins in Septic Shock Patients Treated with an IgM and IgA-Enriched Intravenous Preparation: an Observational Study - G.Berlot, A.Scamperle.. **E.Roman-Pognuz**- *Medrxiv* 2020- <https://doi.org/10.1101/2020.09.08.20189183>

The Model for Early COVID-19 Recognition (MECOR) Score: A Proof-of-Concept for a Simple and Low-Cost Tool to Recognize a Possible Viral Etiology in Community-Acquired Pneumonia Patients during COVID-19 Outbreak - Gianluca Sambataro, Mauro Giuffrè.. **Erik Roman-Pognuz** *Diagnostics* **2020**, 10(9), 619; <https://doi.org/10.3390/diagnostics10090619>

Neck circumference as reliable predictor of mechanical ventilation support in adult inpatients with COVID-19: a multicentric prospective evaluation. S. Di Bella..**E. Roman-Pognuz**. *Diabetes Metabolism - Research and review*, **2020** - <https://doi.org/10.1002/dmrr.3354>

The characteristics of patients with bilateral absent evoked potentials after post-anoxic brain damage: A multicentric cohort study. L Nobile, **E Roman-Pognuz**, - *Resuscitation*, **2020** <https://doi.org/10.1016/j.resuscitation.2020.02.017>- Elsevier

Coronary angiography after rosc: is ECG without stemi still an open question?
S Scapol, S Rakar, 2019 ...**E Roman-Pognuz** 2019 resuscitationjournal.com

Trieste CARE: Impact of adrenaline on out of hospital cardiac arrest outcome
S Scapol, S Rakar...**E Roman-Pognuz** - 2019 - resuscitationjournal.com

Early multimodal prognostication of outcome in out of hospital cardiac arrest patients treated with normothermia. **Erik Roman-Pognuz**. ARTs 2019. <http://hdl.handle.net/11368/2942927>

Impact of European Emergency Number (112) in out of hospital Cardiac Arrest: Trieste experience.
Giuseppe Davide Caggegi, Carlo Pegani, Perla Rossini, Michele Zuliani, **Erik Roman Pognuz**. *Resuscitation* September **2018** Volume 130, Supplement 1, Page e132

Markers of cardiogenic shock predict persistent acute kidney injury after out of hospital cardiac arrest.
E Roman-Pognuz, J Elmer, JC Rittenberger, FX Guyette, G Berlot. *Heart & Lung* **2018**, 48 (2), 126-130

SSEP N20 amplitude as an early predictor of neurological outcome in cardiac arrest survivors treated with therapeutic hypothermia **E. Roman Pognuz**, B. Penolazzi OpenstarTs- EUT Edizioni Università di Trieste TSPC2016: Proceedings of the Trieste Symposium on Perception and Cognition, November 4th 2016

Clinical an EEG characteristics of patients with preserved cortical SSEPs after post-anoxic coma.
L Nobile, **E Roman-Pognuz** et al. *Critical Care Medicine*, Dec **2016** - Vol. 44 - Issue 12 -p141

Clinical and electrophysiological correlates of absent somatosensory evoked potentials after post anoxic brain damage: a multi centre study. L Nobile, **E Roman-Pognuz** et al. *Intensive Care Medicine Experimental* **2016**, 4 (Suppl. 1): 28

Omesotasi Termica Perioperatoria. Capitolo 14 - Effetti terapeutici dell'ipotermia. Erik Roman-Pognuz, Alberto Peratoner. Edizioni Minerva Medica - **2016**

The pupillary reflex in the neurological evaluation of post cardiac arrest patients: current and future prospects. **Erik Roman-Pognuz** - Abstr. S.I.A.R.E.D, National Congress **2016** - Rome

The prognostic value of SSEPs and EEG in therapeutic hypothermia after cardiac arrest. Abst. S.I.A.R.E.D, National Congress **2015** - Riva del Garda

Neurological prognostication in out of hospital cardiac arrest: Which role for lactate clearance? -M.Zuliani, F. Verginella..**E. Roman-Pognuz** Volume 96, SUPPLEMENT 1, 148, November 01, 2015-<https://doi.org/10.1016/j.resuscitation.2015.09.352>

Temperature control in cardiac arrest and infection risk: Smith or reality? Abst. S.I.A.R.E.D, National Congress 2015 - Riva del Garda

Air Embolism after central venous catheter removal: fibrin sheath as the portal of persistent air entry. Meggiolaro Marco,1 **Erik Roman-Pognuz**- Case report on Crit Care. Volume 2013. Article id 403243, 3 pages - <https://doi.org/10.1155/2013/403243>

Therapeutic Hypothermia in cardiac arrest and immunosuppression: how many ventilation associated pneumonia have been found after intubation in our ICU. Abst. Ipotermia terapeutica in cardiologia - Padova 2013

Prognostic value of SSEP and EEG in Therapeutic Hypothermia after cardiac arrest. Abst. Ipotermia terapeutica in cardiologia - Padova 2013

Therapeutic hypothermia in cardiac arrest: early prognosis. Resuscitation, Vol 83, Supp. 257-262, Oct 2012

Respiratory mechanics in COPD patients who failed non invasive ventilation: role of intrinsic PEEP. VittorioAntonaglia,MassimoFerluga..**ErikRoman-Pognuz** - Respir Phis Neurobiol 2012 Oct 15;184(1):35-40 <https://doi.org/10.1016/j.resp.2012.07.009>

Therapeutic Hypothermia cardiac arrest and ventilation associated pneumonia after intubation: a one year first analysis in our ICU. Abst at Weil Conference on Cardiac arrest, Shock and Trauma. Milano 2012

Somatosensory evoked potentials amplitude vs latency in predicting neurological outcome after cardiac arrest and therapeutic hypothermia. Intensive Care Medicine, vol 37, suppl 1, sept 2011 - ppS1-S314

Post cardiac arrest syndrome and therapeutic hypothermia: a six months follow up development of an early prognostic index of neurological performance. Abst at NWAC World anaesthesia congress - Rome 2011

Comparison of non invasive ventilation by sequential use of mask and helmet vs mask in acute exacerbation of Chronic obstructive pulmonary disease: a preliminary study. Antonaglia V. ,Ferluga M..**Roman-Pognuz E.** Respiration 2011; 82(2):148-54

La terapia del dolore nell'endometriosi: il protocollo CATE. Minerva Anestesiologica, vol 73- suppl 2, n 10- Oct 2007

Gestione pratica del paziente con trauma toracico "XVI corso in tecniche e procedure speciali nel malato critico" Atti del congresso Napoli Città della scienza- 2009

Clearance delle vie aeree. Abst. S.I.A.R.E.D Congress - Ferrara 2009

Insufficienza respiratoria acuta. "XV corso in tecniche e procedure speciali nel malato critico" Atti del congresso Napoli Città della scienza- 2008

Insufficienza respiratoria acuta. Basi fisiopatologiche e terapia. "XIII corso in tecniche e procedure speciali nel malato critico" Atti del congresso Napoli Città della scienza- 2006

Trieste, 1 gennaio 23

In fede