

- 1973 Diploma di maturità scientifica.
- 1984 Laurea in Medicina e Chirurgia.
- 1986 Borsa di studio dell' "Associazione Italiana per la Ricerca sul Cancro".
- 1986 Soggiorno presso il Wistar Institute di Filadelfia come "visiting scientist".
- 1986 Soggiorno come "visiting scientist" in Svezia nel Dipartimento di Genetica Clinica dell' Università di Lund.
- 1987 Specializzazione in Ematologia Generale (Clinica e laboratorio) all'Università degli Studi di Modena.
- 1988 Soggiorno, come "visiting scientist", presso i laboratori del "Department of Pathology, School of Medicine, Temple University", Filadelfia, USA.
- 1989 Borsa di studio del "Comitato Gigi Ghirotti", sezione Piemontese, ricerca dal titolo: "alterazioni cromosomiche e danni ambientali".
- 1990 Soggiorno, come "visiting scientist", presso i laboratori del "Department of Pathology, School of Medicine, Temple University", Filadelfia, USA
- 1994 Ricercatore nella II Facoltà di Medicina e Chirurgia della Università degli Studi di Torino, sede di Novara.
- 2000 Professore Associato di Medicina Interna presso l'Università del Piemonte Orientale.
- 2003 Conferma nel ruolo di professore Associato di Medicina Interna dell'Università del Piemonte Orientale.
- 2005 Presidente del Corso di Laurea in Infermieristica dell'Università del Piemonte Orientale per il triennio 2005-2008.
- 2006 Presidente del Corso di Laurea Specialistica in Scienze Infermieristiche ed Ostetriche dell'Università del Piemonte Orientale per il triennio 2006-2009.
- 2006 Professore Straordinario di Medicina Interna presso l'Università del Piemonte Orientale.
- 2007 Direttore del Master di I livello, per Infermieri, di Medicina d'Urgenza ed Area Critica dell'Università del Piemonte Orientale.
- 2008 Presidente del Corso di Laurea in Infermieristica dell'Università del Piemonte Orientale per il triennio 2008-2011.
- 2009 Direttore della Scuola di Specializzazione in Medicina d'Emergenza-Urgenza dell'Università del Piemonte Orientale. Presidente del Corso di Laurea Specialistica in Scienze Infermieristiche ed Ostetriche dell'Università del Piemonte Orientale per il triennio 2009-2012.
- 2012 Presidente del CdS Magistrale in Scienze Infermieristiche ed Ostetriche dell'Università del Piemonte Orientale per il triennio 2012-2015.
- 2015 Direttore del Dipartimento di Medicina Traslazionale dell'Università del Piemonte Orientale per il quadriennio 2015-2019 e nominato Vice-Presidente della Scuola di Medicina.
- 2018 Eletto Rettore dell'Università del Piemonte Orientale

Premi ed Onorificenze

- 1986 Borsa di studio dell' "Associazione Italiana per la Ricerca sul Cancro".
- 1989 Borsa di studio del "Comitato Gigi Ghirotti".

Appartenenza a Società Scientifiche e a Gruppi di Ricerca di Società Ufficiali

- Dal 1988 è membro della Associazione Italiana di Citogenetica Medica.
- Dal 1992 è membro della International Society of Experimental Hematology (ISEH).
- Dal 1997 è membro della Società Italiana di Ematologia Sperimentale Dal

- 2001 è membro della Società Italiana di Medicina Interna (SIMI) Dal
 2002 è membro della American Society of Hematology
 Dal 2007 è membro dell' American College of Emergency Physicians (ACEP)
 Dal 2008 è membro della Società Italiana di Medicina D' Emergenza-Urgenza (SIMEU)

ELENCO DEI LAVORI PIÙ SIGNIFICATIVI

1. A. Guerrasio, G.C. Avanzi, L.Pegoraro, X. Estivill, A. Serra, M.C. Giubellino, M.T. Fierro, A. Novarino, R. Foa, G. Saglio:" Rearrangement of c--myc oncogene with the heavy chain immunoglobulin enhancer in the tumor DNA from an acute lymphoblastic leukemia patient."; J. Natl. Cancer Inst., 78: 845-851, 1987. IF: 13.84
2. S. Heim, G.C. Avanzi, R. Billtrom, U. Kristofferson, N. Mandhal, AN. Becassy, S. Garwicz, T. Wiebe, L. Pegoraro, M. Falda, L. Resegotti, F. Mitelman:" A new specific chromosomal rearrangement -t(8;16)(p11;p13) -in acute monocytic leukemia." Br. J. Haemat. 66: 323--326, 1987. IF: 3.267
3. G.C. Avanzi, B. Giovinazzo, G. Saglio, A. Guerrasio, A. Rosso, M. Berini, L. Resegotti, L. Pegoraro:" Duplication of Ph and of 9q+ Chromosomes during the blastic transformation of a CML case". Cancer Genetic and Cytogenetic, 29: 57--63, 1987. IF: 1.542
4. G. Saglio, L. Pegoraro, G.C. Avanzi, B. Giovinazzo, F. Locatelli, M. Falda, A. Tassinari, A. Zaccaria, V. Attadia, G. Rege-Cambrin, A. Guerrasio, A. Serra, F. Gavosto:" Significance of the Philadelphia Chromosome in acute leukemias: variable correlation with rearrangements involving the c-abl and bcr genes." Ann. N.Y. Acad.Sci.74:270-276,1987
5. G. Bellone, R. Foa, M.T. Fierro, G.C. Avanzi, P. Lusso, A. Ramello, P. Lista, R. Ghio, L. Pegoraro:" A human leukemic T cell line (PF--382) inhibits the growth of myeloid and erythroid progenitor cells." Leukemia, vol 1: 603--608, 1987.
6. R. Miniero, E. Madon, G.C. Avanzi, M. Saitta, M. Forni, G. Ghisolfi, R. Coda, P. Lista, L. Cordero di Montezemolo, G. Cattoretti, L. Pegoraro:" Unusual cytogenetic, immunophenotypic and histochemical findings in a case of acute megakaryocytic leukemia." Haematologica, 72: 505--510, 1987
7. G. Saglio, A. Guerrasio, A. Tassinari, C. Ponzetto, A. Zaccaria, P. Testoni, B. Celso, G. Rege-Cambrin, A. Serra, L. Pegoraro, G.C. Avanzi, V. Attadia, M. Falda, F. Gavosto "Variability of the molecular defects corresponding to the presence of a Philadelphia chromosome in human hematologic malignancies.", Blood, 72: 1203--1208, 1988.
8. G.C. Avanzi, P. Lista, B. Giovinazzo, R. Miniero, G. Saglio, G. Benetton, R. Coda, G. Cattoretti, L. Pegoraro:" Selective growth response to IL--3 of a human leukemic cell line with megakaryoblastic features". Br. J. Haemat., 69: 359--366, 1988.
9. G. Bellone, G.C. Avanzi, P. Lista, J. Hibbin, G. Saglio, G. Benetton, R. Foa, L. Pegoraro:" Soluble factor(s) released by the PF--382 cell line enhances the stimulatory effect of monocytes on the BFU--E growth". J. Cellular Physiology, 135: 127--132, 1988.
10. P. Lista, M.F. Brizzi, G.C. Avanzi, F. Veglia, L. Resegotti, L. Pegoraro:" Induction of proliferation of acute myeloblastic leukemia (AML) cells with hemopoietic growth factors". Leukemia Res., 12: 441--447, 1988.
11. P. Lista, P. Porcu, G.C. Avanzi, L. Pegoraro:"Interleukin 3 enhances the cytotoxic activity of 1-d-arabinofuranosylcytosine (ARA-C) on acute myeloblastic leukemia (AML) cells." Brit. J. Haematol., 69: 121-123, 1988.
12. Pegoraro L., Malavasi F., Bellone G., Massaia M., Boccadoro M., Saglio G., Guerrasio A., Benetton G., Lombardi L., Coda R., Avanzi G.C.:" The human myeloma cell line LP--1: a versatile model in which to study early plasma cell differentiation and c--myc activation". Blood, 73: 1020--1027, 1989.
13. Avanzi G.C., Giovinazzo B., Rosso A., Depaoli L., Bertini M., Resegotti L., Pegoraro L.: Trisomy 11 in MDS derived acute myeloblastic leukaemias. Eur. J. Haematol., 43: 173--177, 1989.
14. Avanzi G.C., Cessano A., Brizzi M.F., Clark S.C., Pegoraro L., Matera L. Biological and molecular evidences for the production of IL--6 by human natural killer cells in culture. Life Sci., 45: 2621--2626, 1989.
15. Palumbo A., Boccadoro M, Battaglio S., Corradini P., Giovinazzo B., Avanzi G.C., Ponzio G. Philadelphia--positive thrombocythemia with a complex translocation involving chromosomes 9, 15, and 22. Cancer Gen. Cytogen., 39: 77--80, 1989.
16. Donti E., Montanucci M., Longo L., Mencarelli A., Pandolfi P., Tabilio A., Nanni M., Alimena G., Avanzi GC., Pegoraro L., Grignai F., Pelicci PG. The myeloperoxidase gene in acute promyelocytic leukemia. Science, 244: 823--825, 1989.
17. Longo L., Donti E., Mecarelli A., Avanzi G.C., Pegoraro L., Alimena G., Tabilio A., Venti G., Grignani F., Pelicci PG. Mapping of chromosome 17 breackpoint in acute myeloid leukemias.

- Oncogene 5: 1557-1563, 1990.
18. Longo L., Pandolfi P., Biondi A., Rambaldi A., Mencarelli A., Lo Coco F., Diverio D., Pegoraro L., Avanzi G.C., Tabilio A., Zangrilli D., Acalay M., Donti E., Grignani F., Pelicci P.G. Rearrangement and aberrant expression of the Retinoic acid Receptor- α gene in acute promyelocytic leukemias. *J. Exp. Med.* 172: 1571-1575, 1990.
 19. Vineis P., Avanzi G.C., Giovanazzo B., Ponzio G., Rege Cambrin G., Ciccone G. Cytogenetics and occupational exposure to solvents: a pilot study on leukemias and myelodysplastic disorders. *Tumori*, 76: 350-352, 1990.
 20. Avanzi G.C., Brizzi M.F., Giannotti J., Ciarletta A., Yang Y.C., Pegoraro L., Clark S.C., The M-07e human leukemic factor dependent cell line provides a rapid and sensitive bioassay for the human cytokines GM-CSF and IL-3, *J. Cell. Physiol.* 145: 458-464, 1990.
 21. Ghigo D., Brizzi M.F., Avanzi G.C., Bussolino F., Garbarino G., Costamagna C., Pegoraro L., Bosia A., Evidence for a Role of the Na/H exchanger in the colony-stimulating-factor-induced ornithine decarboxylase activity and proliferation of the human cell line M-07e. *J. Cell. Physiol.* 145: 147-154, 1990.
 22. Brizzi M.F., Avanzi G.C., Veglia F., Clark S.C., Pegoraro L., Expression and modulation of IL-3 and GM-CSF receptors in human growth factor dependent leukaemic cells. *Br. J. Haemat.* 76: 203-209, 1990.
 23. C. Ponzetto, A. Guerrasio, C. Rosso, G.C. Avanzi, A. Tassinari, A. Zaccaria, F. Lo Coco, R. Foa, G. Basso, M.L. Abate, P.M. Comoglio, G. Saglio, ABL proteins in Philadelphia-positive acute leukaemias and chronic myelogenous leukaemia blast crises. *Br. J. Haematol.* 76: 39-44, 1990
 24. Avanzi G.C., Porcu P., Brizzi M.F., Ghigo D., Bosia A., Pegoraro L., Interleukin 3-dependent proliferation of the human M-07e cell line is supported by discrete activation of late G-1 genes. *Cancer Research* 51: 1741-1743, 1991.
 25. Brizzi M.F. Arduino C., Avanzi G.C., Bussolino F., Pegoraro L. GM-CSF and phorbol esters modulate GM-CSF receptor expression by independent mechanisms. *J. Cell. Physiol.* 148: 24-34, 1991
 26. Bagnara G.P., Zauli G., Vitale L., Rosito P., Vecchi P., Paolucci G., Avanzi G.C., Ramenghi U., Timeus F., Gabutti V. In vitro growth and regulation of bone marrow enriched CD34+ hematopoietic progenitors in Diamond-Blackfan anemia. *Blood*, 78: 2203-2210, 1991.
 27. Bagnara G.P., Strippoli P., Bonsi L., Brizzi M.F., Avanzi G.C., Timeus F., Ramenghi U., Piaggio J., Tong M., Podestà G., Paolucci M., Pegoraro L., Gabutti V., Bacigalupo A. Effect of stem cell factor on colony growth from acquired and constitutional (Fanconi) aplastic anemia. *Blood*, 80: 382-387, 1992.
 28. Brizzi M.F., Garbarino G., Rossi P.R., Pagliardi G.L., Arduino C., Avanzi G.C., Pegoraro L. Interleukin 3 stimulates proliferation and triggers endothelial-leukocyte adhesion molecule 1 gene activation of human endothelial cells. *J. Clin. Invest.* 91: 2887-2892, 1993.
 29. Brizzi M.F., Pavan M., Zini M.G., Avanzi G.C., Pegoraro L. Regulation of c-kit expression in human myeloid cells. *Stem Cells*, 11: 42-48, 1993.
 30. Manfioletti G., Brancolini C., Avanzi G.C., Schneider C. The protein encoded by a growth-arrest specific gene (GAS 6) is a new member of the vitamin-K dependent proteins related to protein-S, a negative coregulator in the blood coagulation cascade. *Mol. Cell. Biol.* 13: 4976-4985, 1993.
 31. Brizzi M.F., Rossi P.R., Rosso A., Avanzi G.C., Pegoraro L. Transcriptional and post-transcriptional regulation of granulocyte-macrophage colony-stimulating factor production in human growth factor dependent M-07e cells. *Br. J. Haemat.* 90: 258-265, 1995.
 32. Matera L., Bellone G., Le Brun J.J., Kelly P.A., Hooghe-Peterz E.L., Francia-Di Celle P., Foà R., Contarini M., Avanzi G.C., Asnaghi V. Role of prolactin in the in vitro development of IL-2 driven anti tumoral lymphokine-activated killer cells. *Immunology*, 89: 619-626, 1996.
 33. Bonsi L, Grossi A, Strippoli P, Tumietto F, Tonelli R, Vannucchi AM, Ronchi A, Ottolenghi S, Visconti G, Avanzi GC, Pegoraro L, Bagnara GP. An erythroid and megakaryocytic common precursor cell line (B1647) expressing both c-mpl and erythropoietin receptor (Epo-R) proliferates and modifies globin chain synthesis in response to megakaryocyte growth and development factor (MGDF) but not to erythropoietin (Epo). *Br J Haematol* 98(3):549-559, 1997.
 34. Avanzi GC, Gallicchio M, Cavalloni G., Gammaitoni L., Leone F., Rosina A., Pegoraro L., Aglietta M. GAS6 the ligand of Axl and Rse receptors is expressed in the hemopoietic system but lacks mitogenic activity. *Exp. Hematol.* 25:1219-1226, 1997.
 35. Martone T, Airoidi L, Magagnotti C, Coda R, Randone D, Malaveille C, Avanzi G, Merletti F, Hautefeuille A, Vineis P 4-Aminobiphenyl-DNA adducts and p53 mutations in bladder cancer.

- Int J Cancer 9:512-516, 1998.
36. Avanzi GC, Gallicchio M, Bottarel F, Gammaitoni L, Cavalloni G, Buonfiglio D, Bragardo M, Bellomo G, Albano E, Fantozzi R, Garbarino G, Varnum B, Aglietta M, Saglio G, Dianzani U, Dianzani C GAS6 inhibits granulocyte adhesion to endothelial cells. *Blood* 91(7):2334---2340, 1998.
 37. Gaidano GC, Vivenza D, Forconi F, Capello D, Gloghini A, Bhatia K, Gutierrez M, Gallicchio M, Avanzi GC, Fassone L, Ariatti C, Cingolani A, Saglio G, Tirelli U, Larocca LM, Dalla---Favera R, Carbone A. Uncommon mutation of BAX in AIDS---related non Hodgkin Lymphomas. *Genes, Chromosom and Cancer*, 27 (2):177-82 2000.
 38. Capello D, Gaidano G, Gallicchio M, Gloghini A, Medico E, Vivenza D, Buonaiuto D, Fassone L, Avanzi GC, Saglio G, Prat m, Carbone A. The tyrosine kinase receptor met and its ligand HGF are co---expressed and functionally active in HHV--8 positive primary effusion lymphoma. *Leukemia*, 14 (2):285---291, 2000
 39. Gaidano G, Capello D, Fassone L, Gloghini A, Cilia Am, Ariatti C, Buonaiuto D, Vivenza D, Gallicchio M, Avanzi GC, Prat M, Carbone A. Molecular characterization of hhv--8 positive primary effusion lymphoma reveals pathogenetic and histogenetic features of the disease. *J Clin Virol*. 2000;16(3):215---24.
 40. Polosa R, Cacciola RR, Avanzi GC, Di Maria GU. Making, disseminating and using clinical guidelines. *Monaldi Arch Chest Dis*. 2002 Feb;57(1):44---7.
 41. Pagano L, Pulsoni A, Vignetti M, Mele L, Fianchi L, Petti MC, Mirto S, Falcucci P, Fazi P, Broccia G, Specchia G, Di Raimondo F, Pacilli L, Leoni P, Ladogana S, Gallo E, Venditti A, Avanzi G, Camera A, Liso V, Leone G, Mandelli F. Acute megakaryoblastic leukemia: experience of GIMEMA trials. *Leukemia*. 2002;16:1622---6.
 42. Fra GP, Avanzi GC, Bartoli E. Remission of refractory lupus nephritis with a protocol including rituximab. *Lupus* 2003;12: 783---787. IF: 1.808
 43. F.Guidetti, S. Grazioli, F. Capelli, C. Marini, M. Gallicchio, D. De Micheli, L. Castello, P.P. Sainaghi, G. P. Fra, G. Saglio, G. C. Avanzi, Primitive hemopoietic stem cells show a polyclonal pattern in myelodysplastic syndromes, *Haematologica*. 2004; 89: 21---28.
 44. Margherita Gallicchio, Stefania Mitola, Donatella Valdembri, Roberto Fantozzi, BrianVarnum, Gian Carlo Avanzi, Federico Bussolino Inhibition of Vascular Endothelial Growth Factor Receptor 2 --- mediated endothelial cell activation by Axl Tyrosine Kinase Receptor1 *Blood* 2005; 105:1970---19766
 45. Pier Paolo Sainaghi, Luigi Castello, Luca Bergamasco, Margherita Galletti, Paola Bellosta, Gian Carlo Avanzi. GAS6 induces proliferation in prostate carcinoma cell lines expressing the axl receptor *J. Cell. Physiol*. 2005; 204:36---44
 46. Grossini E, Avanzi G, Gallicchio M, Molinari C, Vacca G, Bellomo G. Regulation of Ca(2+) movements by cyclovirobuxine D in ECV304 endothelial cells. *Pharmacol Res*. 2005; 52:154--- 161.
 47. Avanzi GC, Castello L, Sainaghi PP, Bergamasco L, Boldorini R, Bartoli E. A malignant fibroleiomyoma of the testis. *Clin Lymphoma Myeloma*. 2006; 6 (5): 414---416.
 48. Alciato F, Sainaghi PP, Castello L, Bergamasco L, Carnieletto S, Avanzi GC. Development and validation of an ELISA method for detection of growth arrest specific 6 (GAS6) protein in human plasma. *J Immunoassay Immunochem*. 2008;29(2):167---80.
 49. Sainaghi PP, Collimedaglia L, Alciato F, Leone MA, Puta E, Naldi P, Castello L, Monaco F, Avanzi GC. Elevation of Gas6 protein concentration in cerebrospinal fluid of patients with chronic inflammatory demyelinating polyneuropathy (CIDP). *J Neurol Sci*. 2008 Jun 15;269:138---142.
Epub 2008 Feb 14
 50. Sainaghi PP, Alciato F, Carnieletto S, Castello L, Bongo S, Sola D, Bergamasco L, Inglese E and Avanzi GC. GAS6 protein evaluation for differential diagnosis in patients with acute dyspnea and suspected pulmonary embolism *Respir Med*. 2009 Apr;103(4):589---94.
 51. Federica Alciato, Pier Paolo Sainaghi, Daniele Sola, Luigi Castello, Gian Carlo Avanzi TNF---alpha, IL---6 and IL---1 expression is inhibited by GAS6 in monocytes/macrophages. *Journal of Leukocyte Biology*, 2010, in press.
 52. Sainaghi PP, Collimedaglia L, Alciato F, Leone MA, Naldi P, Molinari R, Monaco F, Avanzi GC The expression pattern of inflammatory mediators in cerebrospinal fluid differentiates Guillain--- Barré syndrome from chronic inflammatory demyelinating polyneuropathy. *Cytokine* 2010;51(2):138---43.
 53. Sensi M, Catani M, Castellano G, Nicolini G, Alciato F, Tragni G, De Santis G, Bersani I, Avanzi G, Tomassetti A, Canevari S, Anichini A. Human cutaneous melanomas lacking MITF and melanocyte differentiation antigens express a functional Axl receptor kinase. *J Invest Dermatol*. 2011 Dec;131(12):2448---57
 54. Sainaghi PP, Bellan M, Carda S, Cerutti C, Sola D, Nerviani A, Molinari R, Cisari C, Avanzi GC. Hypovitaminosis D and response to cholecalciferol supplementation in patients with autoimmune and non---autoimmune rheumatic diseases.

- Rheumatol Int. 2011 Nov 2.
55. Palma A, Sainaghi PP, Amoroso A, Fresu LG, Avanzi G, Pirisi M, Brunelleschi S. Peroxisome proliferator-activated receptor-gamma expression in monocytes/macrophages from rheumatoid arthritis patients: relation to disease activity and therapy efficacy—a pilot study. *Rheumatology (Oxford)*. 2012 Jul 23.
 56. Brambilla R, Vigna-Taglianti F, Avanzi G, Faggiano F, Leone M. [Gamma-hydroxybutyrate (GHB) for mid/long term treatment of alcohol dependence: a systematic review]. *Riv Psichiatr*. 2012 Jul-Aug;47(4):269-80. doi: 10.1708/1139.12554. Review. Italian. PubMed PMID: 23023077.
 57. Castello LM, Negro S, Santi F, Zanotti I, Vidali M, Bagnati M, Bellomo G, Avanzi GC. Accidental digitoxin intoxication: an interplay between laboratory and clinical medicine. *Biochem Med (Zagreb)*. 2012;22(3):380-4. PubMed PMID: 23092069; PubMed Central PMCID: PMC3900044.
 58. Di Somma S, Magrini L, Travaglio F, Lalle I, Fiotti N, Cervellin G, Avanzi GC, Lupia E, Maisel A, Hein F, Wagner F, Lippi G. Opinion paper on innovative approach of biomarkers for infectious diseases and sepsis management in the emergency department. *Clin Chem Lab Med*. 2013 Jun;51(6):1167-75. doi: 10.1515/cclm-2012-0795. PubMed PMID: 23392907.
 59. Sainaghi PP, Collimedaglia L, Alciato F, Molinari R, Sola D, Ranza E, Naldi P, Monaco F, Leone M, Pirisi M, Avanzi GC. Growth arrest specific gene 6 protein concentration in cerebrospinal fluid correlates with relapse severity in multiple sclerosis. *Mediators Inflamm*. 2013;2013:406483. doi: 10.1155/2013/406483. Epub 2013 May 27. PubMed PMID: 23781120; PubMed Central PMCID: PMC3678413.
 60. Malerba M, Clini E, Malagola M, Avanzi GC. Platelet activation as a novel mechanism of atherothrombotic risk in chronic obstructive pulmonary disease. *Expert Rev Hematol*. 2013 Aug;6(4):475-83. doi: 10.1586/17474086.2013.814835. Review. PubMed PMID: 23991933.
 61. Di Somma S, Lalle I, Magrini L, Russo V, Navarin S, Castello L, Avanzi GC, Di Stasio E, Maisel A. Additive diagnostic and prognostic value of bioelectrical impedance vector analysis (BIVA) to brain natriuretic peptide 'grey-zone' in patients with acute heart failure in the emergency department. *Eur Heart J Acute Cardiovasc Care*. 2014 Jun;3(2):167-75. doi: 10.1177/2048872614521756. Epub 2014 Jan 29. PubMed PMID: 24477201.
 62. Vetrone F, Santarelli S, Russo V, Lalle I, De Berardinis B, Magrini L, Di Stasio E, Salerno G, Cardelli P, Piccoli A, Codognotto M, Mion MM, Plebani M, Vettore G, Castello LM, Avanzi GC, Di Somma S. Copeptin decrease from admission to discharge has favorable prognostic value for 90-day events in patients admitted with dyspnea. *Clin Chem Lab Med*. 2014 Oct;52(10):1457-64. doi: 10.1515/cclm-2014-0207. PubMed PMID: 24803610.
 63. Zeppego P, Gramaglia C, Castello LM, Bert F, Gualano MR, Ressico F, Coppola I, (if 56-, Siliquini R, Torre E. Suicide attempts and emergency room psychiatric consultation. *BMC Psychiatry*. 2015 Feb 5;15:13. doi: 10.1186/s12888-015-0392-2. PubMed PMID: 25652192; PubMed Central PMCID: PMC4327969.
 64. Harjola VP, Lassus J, Sionis A, Køber L, Tarvasmäki T, Spinar J, Parissis J, Banaszewski M, Silva-Cardoso J, Carubelli V, Di Somma S, Tolppanen H, Zeymer U, Thiele H, Nieminen MS, Mebazaa A; CardShock study investigators; GREAT network. Clinical picture and risk prediction of short-term mortality in cardiogenic shock. *Eur J Heart Fail*. 2015 May;17(5):501-9. doi: 10.1002/ejhf.260. Epub 2015 Mar 28. PubMed PMID: 25820680.
 65. Rea K, Pincioli P, Sensi M, Alciato F, Bisaro B, Lozneau L, Raspagliesi F, Centritto F, Cabodi S, Defilippi P, Avanzi GC, Canevari S, Tomassetti A. Novel Axl-driven signaling pathway and molecular signature characterize high-grade ovarian cancer patients with poor clinical outcome. *Oncotarget*. 2015 Sep 4. [Epub ahead of print] PubMed PMID: 26356564.
 66. Vidali M, Verzotti E, Cabraz N, Santi F, Puma A, Bellomo G, Lupi A, Lippi G, Avanzi GC. "Real life use" of troponin in the emergency department: a survey of over 3000 cases. *Biochem Med (Zagreb)*. 2015 Oct 15;25(3):421-9. doi: 10.11613/BM.2015.043. PubMed PMID: 26527485; PubMed Central PMCID: PMC4622198.
 67. Santarelli S, Russo V, Lalle I, De Berardinis B, Vetrone F, Magrini L, Di Stasio E, Piccoli A, Codognotto M, Mion MM, Castello LM, Avanzi GC, Di Somma S; GREAT network. Prognostic value of decreased peripheral congestion detected by Bioelectrical Impedance Vector Analysis (BIVA) in patients hospitalized for acute heart failure: BIVA prognostic value in acute heart failure. *Eur Heart J Acute Cardiovasc Care*. 2016 Apr 12. pii: 2048872616641281. [Epub ahead of print] PubMed PMID: 27073131.
 68. Bellan M, Molinari R, Castello L, Sola D, Gibbin A, Guaschino G, Pedrazzoli R, Puma A, Pirisi M, Avanzi GC, Sainaghi PP. Profiling the patients visiting the emergency room for musculoskeletal complaints: characteristics and outcomes. *Clin Rheumatol*. 2016 Nov;35(11):2835-2839. PubMed PMID: 27315242.
 69. Castello LM, Baldighi M, Panizza A, Bartoli E, Avanzi GC. Efficacy and safety of two different tolvaptan doses in the

- treatment of hyponatremia in the Emergency Department. *Intern Emerg Med*. 2016 Jul 21. [Epub ahead of print] PubMed PMID: 27444946.
70. Bellan M, Pogliani G, Marconi C, Minisini R, Franzosi L, Alciato F, Magri A, Avanzi GC, Pirisi M, Sainaghi PP. Gas6 as a putative noninvasive biomarker of hepatic fibrosis. *Biomark Med*. 2016 Dec;10(12):1241-1249. PubMed PMID: 27924629.
 71. Santarelli S, Russo V, Lalle I, De Berardinis B, Navarin S, Magrini L, Piccoli A, Codognotto M, Castello LM, Avanzi GC, Villacorta H, Precht BL, de Araújo Porto PB, Villacorta AS, Di Somma S; Great Network.. Usefulness of combining admission brain natriuretic peptide (BNP) plus hospital discharge bioelectrical impedance vector analysis (BIVA) in predicting 90 days cardiovascular mortality in patients with acute heart failure. *Intern Emerg Med*. 2016 Dec 16. doi: 10.1007/s11739-016-1581-9. [Epub ahead of print] Erratum in: *Intern Emerg Med*. 2017 Feb 8;:. PubMed PMID: 27987064.
 72. Bellan M, Sainaghi PP, Minh MT, Minisini R, Molinari L, Baldrighi M, Salmi L, Barbaglia MN, Castello LM, Ravanini P, Avanzi GC, Pirisi M. Gas6 as a predictor of esophageal varices in patients affected by hepatitis C virus related-chronic liver disease. *Biomark Med*. 2018 Jan;12(1):27-34.
 73. Leigh M1, Sabbatini M, Baldrighi M, Hasenboehler EA, Briacca L, Grassi F, Cannas M, Avanzi G, Castello LM Prospective analysis of pain and pain management in an emergency department. *Acta Biomed*. 2017 Oct 18;88(4 - S):19-30. doi: 10.23750/abm.v 88i4 -S.6790.
 74. Castello LM Salmi L, Zanotti I, Gardino CA, Baldrighi M, Settanni F, Avanzi GC. The increase in copeptin levels in mild head trauma does not predict the severity and the outcome of brain damage. *Biomark Med*. 2018 Jun;12(6):555-563. doi: 10.2217/bmm-2018-0041. Epub 2018 Apr.
 75. Mearelli F, Fiotti N, Giansante C, Casarsa C, Orso D, De Helmersen M, Altamura N, Ruscio M, Castello LM, Colonetti E, Marino R, Barbati G, Bregnocchi A, Ronco C, Lupia E, Montrucchio G, Muiesan ML, Di Somma S, Avanzi GC, Biolo G, Derivation and Validation of a Biomarker-Based Clinical Algorithm to Rule Out Sepsis From Noninfectious Systemic Inflammatory Response Syndrome at Emergency Department Admission: A Multicenter Prospective Study. *Crit Care Med*. 2018 May 7. doi: 10.1097/CCM.0000000000003206.
 76. Patrucco F, Gavelli F, Avanzi GC, Stainer A, Bodini BD, Castello LM, Balbo PE. Early or delayed bronchoscopy in patients admitted to the Emergency Department for mild-to-moderate haemoptysis? *Panminerva Med*. 2018 Jun 1. doi: 10.23736/S0031-0808.18.03478-X. [Epub ahead of print]

MONOGRAFIE INTERNAZIONALI

1. L. Pegoraro, G.C. Avanzi e P. Lista : " Growth and differentiation factors in human haematopoiesis." (Review) *Hematologica*, 73: 525---543, 1988. IF: 3.453
2. Brizzi M.F., Avanzi G.C., Pegoraro L., Hematopoietic growth factor receptors. (Review) *Int. J. Cell Cloning* 9: 274-300, 1991 IF: 2.453
3. Avanzi GC, Gallicchio M, Saglio G., Hematopoietic growth factor in autologous transplantation (Review). *Biotherapy* 10(4):299---308, 1998 IF: 1.827
4. FraG, Avanzi GC, heopoietic growth factor in myelodysplastic syndrome. *Expert Opinion in Therapeutical Patents*, (Review) 2006 in press IF: 3.237