UNIVERSITÀ DEGLI STUDI DI PADOVA

Padova 14/06/19

Biographical Sketch

Name: Gerardo Bosco MD PhD

Residence: via A. Cavalletto n.12, 35122 PADOVA
Professional Address: Dept. of Biomedical Sciences, Laboratory of Physiology, Via Marzolo 3, 35131, Padova
University of Padova- ph.: +39 0498275297; fax: +39 0498275301
e-mail: gerardo.bosco@unipd.it
Place and Date of Birth: Benevento, 28/06/1971
Married with Natalie and father of Adriano, Vittoria and Laura

EDUCATION/TRAINING

Positions and Employment

MD, PhD in Muscle Pathophysiology
Residency in Diving and Hyperbaric Medicine (3 years) and in Nutrition Sciences (clinical nutrition 4 years) at University Hospital G d'Annunzio Chieti Pescara.

1999/2000- Researcher, Dept. of Biomedical Sciences, School of Medicine- University of Chieti.
2000/2002- Research Scientist, Dept. of Anesthesia, Physiology, SUNY, Syracuse NY.
2002- Hyperbaric Physician Centro Iperbarico di Ravenna
2003- Researcher on contract (Circadian pattern and hypoxia in humans)- University of Chieti and McGill University Montreal.
2003/2005- Medical Director CEMSI, Istituto salernitano di medicina iperbarica
2003/2005- Medical Director Diving emergency, Marina di Camerota-Palinuro ASL SA 3
2006/2010- Senior Researcher Dept. of Physiology, School of medicine, University of Chieti
2010- Scientific consultant for Diving and Hyperbaric Medicine, Adriatic Sub (Oil Company).
2009/2011 Hyperbaric Physician at Istituto Città di Brescia, Italy.
- Scientific Consultant in Clinical Nutrition and Wound Care at Policlinico di Abano, Italy.
2011 to date Assistant professor MEDF-01 in Physiology and Hyperbaric Medicine, University of Padua, Italy
2014 National academic qualification as Associate Professor
2014 to date International Board member Duke Dive Medicine, Durham NC USA
2015 to date Director Master II level in Hyperbaric Medicine and High Education Course in Technical and Health Management in the Hyperbaric Chamber environment. University of Padova.
2016-2018 VP UHMS Undersea and Hyperbaric Medical Society

Teaching and training experience

1999 - 2009
- Course Title "human physiology" for second year medical students. University of Chieti

2000-2001
- Courses: Committee for the Human Use of animals (CHUA) and IRB training course. SUNY, Syracuse

2001
- Course: Physiology and locomotion. SIF- Rovereto

2003 - present
- Visiting professor for HBO, University of Greifswald, Germany

2005 - present
- Consultant and Visiting professor for Diving Physiology. Dept. of Anesthesia-USF, Tampa
- Consultant and Visiting professor for Hyperbaric Medicine. Dept. of Anesthesia-SUNY, Syracuse.

2011 - present
- Human and Environmental Physiology at Medicine and Sport Sciences School
- Medicine, courses in residencies school (Sport Medicine, Anesthesia)
- Hyperbaric Medicine, School of Medicine

2014-present
Chair and scientific director:
- Master II level in Hyperbaric Medicine
- High education course in Technical and Health management in Hyperbaric Chamber environment

Other Experience and Memberships

1996: Course on astronaut selection and training. ESA-Koln, Germany
1997-1999: Researcher during iced-lake immersion with Breath-hold and Scuba (Verney lake, Monte Bianco)
1998-1999: Scientific consultant on military training. ComSubin Italy Navy
2002-2015: Scientific coordinator for Endless Diving Project (36h prolonged scuba diving).
2005-2007: Functional evaluation of cross-country skiers (project Val Fondillo)
2007: Prevention of decompression disease using preoxygenation. (Youth Project 2007) Funded by BAMS, Ud'A Chieti.
2008: Chronic hypoxia: fertility, metabolism, muscle adaptations and psychophysical performance. Shisha Pangma 2008- Research Project Funded by BAMS, Ud'A Chieti.
2009: Stem cells and hyperbaric oxygen therapy. Founded by ASPATI and Dep. Of Anesthesiology (Dir. Prof G Vezzani), the Vaio Fidenza Hospital.
2010: Hyperbaric oxygen therapy and antioxidant drugs. Cooperation with Hyperbaric Institute Villafranca (VR).
2011 to date: (1) Drosophila in hypoxic and hyperoxic hyperbaric environment: cellular respiration. (2) The mechanical ventilation of rats exposed to hyperoxia hyperbaric. (3) Dissemination and apoptotic index association of chemotherapy and hyperbaric oxygen therapy in pancreatic cancer cells. (4) Clinical study: effects of hyperbaric oxygen therapy as preconditioning in pancreatic surgical patients. Convention Dept. Biomedical Sciences-University of Padua and ATIP hyperbaric medical center of Padua. (5) Ketosis and pathophysiology: research and clinic: Mech Lab-University of Padua.
2014-2019: Bone re-modelling and HBO, founded by ASPATI and ATiP
2015-2018: Molecular cross talk between muscle an adipose tissue: effects of diet and exercise in obese individuals, post-doc project, founded by University of Padova and UFFER foundation (USA).
2015-2020: underwater 12-lead exercise ECG project, founded by "Federazione Medico Sportiva Italiana", in collaboration with "Y-40 swimming pool".
2017 – Board Member for the PETROMAKS2 Program by The Research Council of Norway.
2018 to 2021– Secretary of the Human Ethical Committee, in the Department of Biomedical Sciences, University of Padova
2018-2021 – Project Pg1: Human Arterial Blood Gas analysis in open water at 40 meters. In collaboration with Duke University and Tampa General Hospital (USA).

Scientific societies: SISMES, EUBS, SIMSI Italian diving and hyperbaric medical society (Board member), IIM Interuniversity institute of myology, SIF Italian Physiological Society, UHMS (VP), International Faculty member, Duke Dive Medicine (USA).

PUBLICATIONS

Book Chapters:

Chapters:

1. Data PG, Bosco G. Medicina Subacquea. Enciclopedia Italiana Treccani, Roma. 2000.
2. E. M. Camporesi & G. Bosco. Ventilation, Gas Exchange and Exercise Under Pressure. In The Physiology and Medicine of Diving, 5th edn. Ed. P. B. Bennett and D. H. Elliott. London: W. B. Saunders Company Ltd: Best Publishing. 2003.
3. G Bosco, G Di Tano, G Fanò. (2008) Ricerca attuale in fisiologia subacquea. In Dal Nuoto alla subacquea di A Davini. Ed.CESI. Roma.
4. G Bosco, V Zanon, EM Camporesi (2008) Immersione e gravidanza. In Dal Nuoto alla subacquea di A Davini. Ed. CESI. Roma.
5. G Bosco, EM Camporesi (2009) HBO come prevenzione: animal and human research. In TimeOut Intensiva. www.timeoutintensiva.it/focus.

6. Bosco G, Camporesi E. Anesthetics at altitude in Anesthesia Equipment: Principles and Applications 2nd Edition-Jan Ehrenwerth, James B Eisenkraft, James M Berry PHILADELPHIA, USA: W.B. SAUNDERS CO-ELSEVIER INC 2013.
7. EM Camporesi, G Bosco. Mechanisms of action in Hyperbaric Oxygen Therapy Indications. Thirteenth Edition UHMS- LK Weaver, BEST PUBLISHING COMPANY 2014.
8. EM Camporesi, G Bosco. Hyperbaric oxygen pretreatment and preconditioning in Hyperbaric Oxygen Therapy Indications. Thirteenth Edition UHMS- LK Weaver, BEST PUBLISHING COMPANY 2014.
9. Paoli A, Bosco G. The Ketogenic Mediterranean Diet in The Mediterranean Diet: An Evidence-Based Approach. Edited by Preedy VR, Watson RR. Elsevier 2014. Pages 271-280.
10. Bosco, Gerardo, and Enrico M. Camporesi. "Hyperbaric Oxygen Pretreatment and Preconditioning." *Textbook of Hyperbaric Medicine*. Springer International Publishing, 2017. 541-544.
11. Faralli, Fabio, Alberto Fiorito, and Gerardo Bosco. "HBO in Military Medicine." *Textbook of Hyperbaric Medicine*. Springer International Publishing, 2017. 567-576.
12. Chapter 2 Physiologic Effects of Hyperbaric Oxygen by Gerardo Bosco, Enrico M. Camporesi. Hyperbaric Medicine Practice 4th edition, edited by Harry T. Whelan. Best Publishing Company
13. Chapter 5 Multiplace Hyperbaric Chamber by Giacomo Garetto, Gerardo Bosco. Hyperbaric Medicine Practice 4th edition, edited by Harry T. Whelan. Best Publishing Company.
14. Chapter 34 Hyperbaric Oxygen Treatment of Avascular Bone Necrosis of the Femoral Head by Giuliano Vezzani, Gerardo Bosco, Enrico M. Camporesi. Hyperbaric Medicine Practice 4th edition, edited by Harry T. Whelan. Best Publishing Company. June 2017: pp 955-974
15. Gerardo Bosco, Alex Rizzato, Giuliano Vezzani, Vincenzo Zanon and Enrico Camporesi. Chapter 2. Therapeutic Mechanisms of Action for Hyperbaric Oxygen on Femoral Head Necrosis. In: Hyperbaric Oxygen Treatment in Research and Clinical Practice - Mechanisms of Action in Focus. Intech. 2018: pp 9-24

Reviewer ad hoc: European journal of applied physiology, Journal of Applied Physiology, UHMS Journal, Plos One, Critical Care, Anesthesiology, Diving Hyperb Med Journal, Lung, Aerospace Medicine, Acta Medica Mediterranea, Progetti Ministeriali.

Refereed Journals

1. Yang ZJ, Bosco G, Montante A, Ou XL and Camporesi EM (2001) Hyperbaric O2 reduces intestinal ischemia-reperfusion-induced TNF- production and lung neutrophil sequestration. Eur J Appl Physiol 85: 96-103.
2. Bosco G, Yang ZJ, Savini F, Nubile G, Data PG, Wang JP, Camporesi EM (2001). Enviromental stress on diving-induced platelet activation. Undersea Hyperb Med. Fall;28(4):207-11.
3. Yang ZJ, Camporesi C, Yang X, Wang JP, Bosco G, Lok J, Gorji R, Shelper R, Camporesi EM (2002) Hyperbaric oxygenation mitigates focal cerebral injury and reduces striatal dopamine release in a rat model of transient middle cerebral artery occlusion. Eur J Appl Physiol 87: 101-107.
4. Wang JP, Yang X, Camporesi C, Yang Zj, Bosco G, Chung C, Camporesi EM. (2002) Effect of propofol on MCAO-induced focal ischemia injury and extracellular dopamine level. Eur J Pharmacol 452 (2002) 303-308.
5. Pedoto A, Nandi J, Yang ZJ, Wang J, Bosco G, Oler A, Hakim TS, Camporesi EM (2003) Beneficial effect of hyperbaric oxygen pretreatment on lipopolysaccharide-induced shock in rats. Clin Exp Pharmacol Physiol. Jul;30(7):482-8.
6. Bosco G, Ionadi A, Panico S, Faralli F, Gagliardi R, Data PG, Mortola JP (2003) Effects of Hypoxia on the Circadian Patterns in Men. High Altitude Medicine & Biology, 4(3):305-318.
7. Bosco G, Ionadi A, Data PG, Mortola JP (2004) Voluntary breath-holding in the morning and in the evening. Clin Sci (Lond). Apr;106(4):347-52.
8. Zanon V, Garetto G, Bosco G. (2004). Acupuncture-HBO2 combined therapy in a persistent left hemiface hyperalgesia: a case report. Undersea Hyperb Med. Spring; 31(1):183.
9. Landolfi A, Yang Zj, Savini F, Camporesi EM, Faralli F and G Bosco. (2006) Pre-treatment with hyperbaric oxygenation reduces bubble formation and platelet activation. Sports Sci Health, 1:122-128.

10. Yang Z, Nandi J, Wang G, Bosco G, Gregory M, Chung C, Xie Y, Yang X, EM Camporesi. (2006) Hyperbaric Oxygenation ameliorates indomethacin-induced enteropaty in rats by modulating TNF-α and IL-1 β production. Dig Dis Sci 34(1-2):70-6.
11. Bosco G, Zj Yang, J Nandi, Jp Wang, C Chen, E M Camporesi (2007) Effects of hyperbaric oxygen on glucose, lactate, glycerol and antioxidant enzymes in the skeletal muscle of rats during ischemia and reperfusion. Clin Exp Pharmacol Physiol 34, 70-76.
12. Bosco G, Zanon V, EM Camporesi (2007) Resistive respiratory muscle training. Undersea Hyperb Med. 2007 May-Jun;34(3):145-6.
13. G Bosco, Di Tano G, Zanon V, Fanò G. (2007) Breath holding dive: a point of view. Sports Sci Health, 2:47-54.
14. Zj Yang, CD Price, G Bosco, M Tucci, NS El-Badri, D Mangar, E M Camporesi. (2008) The Effect of Isovolemic Hemodilution with Oxycyte®, a Perfluorocarbon Emulsion, on Cerebral Blood Flow in Rats. PLoS ONE. Apr 23;3(4):e2010.
15. Verratti V Berardinelli F, Di Giulio C, Bosco G, Cacchio M, Pellicciotta M, Nicolai M, Martinotti S, Tenaglia R. (2008) Evidence that chronic hypoxia causes reversible impairment on male fertility. Asian J Androl. Jul;10(4):602-6.
16. Landofi A, Torchia F, Autore A, Appiani G, Bosco G. (2009) The oxygen paradox. Hypobaric simulated ascent: a case of syncopal occurrence. Italian Journal of Aerospace Medicine-1 (1) 22- 25.
17. Di Tano G, Petrarca C, Bosco G, Battista P, Yang Zj, Morelli L, Barbacane R and Loffredo B. (2009) Identification and measurements of carbonic anhydrase-II molucule numbers in the rat carotid body. The Open Respiratory Medicine Journal 3, 67-72.
18. Pietrangelo T, Mancinelli R, Toniolo L, Cancellara L, Paoli A, Puglielli C, Iodice P, Doria C, Bosco G, D'Amelio L, di Tano G, Fulle S, Saggini R, Fanò G, Reggiani C (2009) Effects of local vibrations on skeletal muscle trophism in elderly people: mechanical, cellular, and molecular events. Int J Mol Med.Oct;24(4):503-12.
19. Squecco R, Carraro U, Kern H, Pond A, Adami N, Biral N, Vindigni V, Boncompagni S, Pietrangelo T, Bosco G, Fanò G, Marini M, Abruzzo PM, Germinario E, Danieli-Betto D, Protasi F, Francini F, Zampieri S. (2009) A Sub-population of rat muscle fibers maintains an assessable excitation-contraction coupling mechanism after long-standing denervation, despite lost contractility. J Neuropathol Exp Neurol;68(12):1256-68.
20. Yang Zj, Bosco G, Xie Y, Chen Y, Camporesi EM. (2010) Hyperbaric oxygenation alleviates MCAO-induced brain injury and reduces hydroxyl radical formation and glutamate release. Eur J Appl Physiol. Feb;108(3):513-22.
21. Bosco G, Yang Zj, Di Tano G, Camporesi EM, Faralli F, Savini F, Landolfi A, Doria C, Fanò G. (2010) Effect of in-water versus normobaric oxygen pre-breathing on decompression-induced bubble formation and platelet activation. J Appl Physiol. May;108(5):1077-83.
22. Camporesi EM, Vezzani G, Bosco G, Mangar D, Bernasek TL. (2010) Hyperbaric Oxygen Therapy in Femoral Head Necrosis. J Arthroplasty. Sep;25(6 Suppl):118-23.
23. Bosco G, Verratti V, Fanò G (2010) Performances in extreme environments: effects of hyper/hypobarism and hypogravity on skeletal muscle. European Journal Translational Myology - Myology Reviews; 1(3): 83-90.
24. Morabito C, Bosco G, Pilla R, Corona C, Mancinelli R, Yang Z, Camporesi EM, Fanò G, Mariggiò MA. (2011) Effect of pre-breathing oxygen at different depth on oxydative status and calcium concentration in lymphocytes of scuba divers. Acta Physiol (Oxf). May;202(1):69-78.
25. Straface G, Ercoli A, Selmin A, Bosco G, Scambia G. (2011) Monitoraggio fetale intrapartum. Riv. It. Ost. Gin. Num. 31: 349-356.
26. T Moro, E Thomas, G Bosco. Blood pressure and heart rate response to two resistance training technique of different intensity. European Journal of Sport Studies (2011). DOI: 10.12863/ejssbx1x2-2013x2
27. Zanon V, Rossi L, Castellani E, Camporesi EM, Palù G, Bosco G. (2012) Oxybiotest project: microorganisms under pressure. Hyperbaric oxygen (HBO) and simple pressure interaction on selected bacteria. Med Gas Res. Sep 11;2(1):24.
28. Rubini A, Bosco G, Parmagnani A, Del Monte D, Catena V. The effects of Erythropoietin on the respiratory function: Measurements of respiratory mechanics in the rat. Current Respiratory Medicine Reviews. 2012. 8(2):448-453.

29. Chaparro E, Erasso D, Quiroga C, Bosco G, Parmagnani A, Rubini A, Mangar D, Camporesi E. Repetitive intraperitoneal caspase-3 inhibitor and anesthesia reduces neuronal damage. J Enzyme Inhib Med Chem. 2013 Dec;28(6):1324-30.
30. Chaparro RE, Quiroga C, Bosco G, Erasso D, Rubini A, Mangar D, Parmagnani A, Camporesi EM. (2013) Hippocampal cellular loss after brief hypotension. Springerplus. Jan 25;2(1):23.
31. Rubini A, El-Mazloum D, Morra F, Bosco G. (2013) The effect of body cooling on respiratory system mechanics and hysteresis in rats. Respir Physiol Neurobiol. Jul 1;189(1):52-58.
32. Rubini A, Porzionato A, Zara S, Cataldi A, Garetto G, Bosco G. (2013) The Effect of Acute Exposure to Hyperbaric Oxygen on Respiratory System Mechanics in the Rat. Lung. 191(5): 459-466.
33. Rubini A, Bosco G. (2013) The effect of body temperature on the dynamic respiratory system compliance-breathing frequency relationship in the rat. J Biol Phys. Jun;39(3):411-8.
34. Rubini A, Carniel EL, Parmagnani A, Bosco G. Measurement and analysis of the respiratory system pressure-volume curve, obtained by constant and low inflation flow rate in the rat. Gazzetta Medica Italiana Archivio per le Scienze Mediche. 2013.172(11): 819-824.
35. Rubini A, Bosco G. Pneumoperitoneum increases the elastic and resistive inspiratory work of breathing in positive-pressure ventilated rats. Minerva Pneumologica. 2013. 52(2-39): 129-135.
36. Nasole E, Nicoletti C, Yang ZJ, Girelli A, Rubini A, Giuffreda F, Di Tano A, Camporesi E, Bosco G. (2014). Effects of alpha lipoic acid and its R+ enantiomer supplemented to hyperbaric oxygen therapy on interleukin-6, TNF-α and EGF production in chronic leg wound healing. J Enzyme Inhib Med Chem. Apr;29(2):297-302.
37. Rubini A, Bosco G, Catena V, Del Monte D. Measurements of pressure-volume curves by constant low inflation flow in the rat: Effects of body posture. Minerva Pneumologica 52(2-3): 123-128.
38. Paoli A, Bianco A, Grimaldi KA, Lodi A, Bosco G. (2013). Long term successful weight loss with a combination biphasic ketogenic Mediterranean diet and Mediterranean diet maintenance protocol. Nutrients. Dec 18;5(12):5205-17.
39. Rubini A, Parmagnani A, Camporesi EM, Bosco G. Effects of immersion and exercise on Spirometric performance in water-polo players. Gazzetta Medica Italiana Archivio per le Scienze Mediche. 2013. 172 (12): 917-921.
40. V Zanon, G Bosco, EM Camporesi. Hyperbaric Chamber: Considerations about Panic in Extraordinary Environments. Wound Care & Hyperbaric Medicine (WCHM Magazine). 09/2014; 5(3):34.
41. Paoli A, Bianco A, Damiani E, Bosco G. Ketogenic diet in neuromuscular and neurodegenerative diseases. Biomed Res Int. 2014; 2014:474296.
42. Bosco G, Paoli A, Camporesi E. Aerobic demand and scuba diving: concerns about medical evaluation. Diving Hyperb Med. 2014 Jun;44(2):61-3.
43. Camporesi EM, Bosco G. Hyperbaric oxygen pretreatment and preconditioning. Undersea Hyperb Med. 2014 May-Jun;41(3):259-63.
44. Camporesi EM, Bosco G. Mechanisms of action of hyperbaric oxygen therapy. Undersea Hyperb Med. 2014 May-Jun;41(3):247-52.
45. Quiroga C, Chaparro RE, Karlnoski R, Erasso D, Gordon M, Morgan D, Bosco G, Rubini A, Parmagnani A, Paoli A, Mangar D, Camporesi EM. Effects of repetitive exposure to anesthetics and analgesics in the tg2576 mouse Alzheimer's model. Neurotox Res. 2014 Nov;26(4):414-21.
46. Hakim TS, Pedoto A, Nandi J, Bosco G, Rubini A, Mangar D, Paoli A, Camporesi EM. Hypothermia attenuates NO production in anesthetized rats with endotoxemia. Naunyn Schmiedebergs Arch Pharmacol. 2014 Jul;387(7):659-65.
47. Bosco G, Casarotto A, Nasole E, Camporesi E, Salvia R, Giovinazzo F, Zanini S, Malleo G, Di Tano A, Rubini A, Zanon V, Mangar D, Bassi C. Preconditioning with hyperbaric oxygen in pancreaticoduodenectomy: a randomized double-blind pilot study. Anticancer Res. 2014 Jun;34(6):2899-906.
48. Rubini A, Porzionato A, Sarasin G, Zara S, Macchi V, Camporesi E, Bosco G. Hyperbaric air exposure at 2.5 ATA does not affect respiratory mechanics and lung histology in the rat. Lung. 2014 Aug;192(4):609-14.
49. Padulo J, Filingeri D, Chamari K, Migliaccio GM, Calcagno G, Bosco G, Annino G, Tihanyi J, Pizzolato F. Acute effects of whole-body vibration on running gait in marathon runners. J Sports Sci. 2014;32(12):1120-6.

50. Chaparro E, Quiroga C, Erasso D, Bosco G, Rubini A, Mangar D, Camporesi E. Isoflurane prevents learning deficiencies caused by brief hypoxia and hypotension in adult Sprague Dawley rats. J Enzyme Inhib Med Chem. 2014. 29(6): 895-900.
51. Rubini A, Porzionato A, Salami E, Macchi V, Bosco G. Amiodarone acutely increases respiratory system resistance and the related work of breathing in the rat respiratory system. Minerva Pneumologica. 2014. 53(1): 27-34.
52. G Bosco, E De Marzi, P Michieli, H R Omar, E M Camporesi, J Padulo, A Paoli, D Mangar and M Schiavon. 12-lead Holter monitoring in diving and water sports: a preliminary investigation. 2014 Diving Hyperb Med. 44 (4): 202-7.
53. A Paoli, T Moro, G Bosco, A Bianco, K A. Grimaldi, E Camporesi and D Mangar. Effects of n-3 Polyunsaturated Fatty Acids (ω-3) Supplementation on Some Cardiovascular Risk Factors with a Ketogenic Mediterranean Diet. 2015. Mar. Drugs, 13, 996-1009.
54. Paoli A, Bosco G, Camporesi EM, Mangar D. Ketosis, ketogenic diet and food intake control: a complex relationship. Front Psychol. 2015 Feb 2; 6:27.
55. Rubini A, Bosco G, Lodi A, Cenci L, Parmagnani A, Grimaldi K, Yang Z, Paoli A. Effects of Twenty Days of the Ketogenic Diet on Metabolic and Respiratory Parameters in Healthy Subjects. Lung. 2015 Dec;193(6):939-45.
56. Camporesi EM, Bosco G. The science of diving. DHM 2015, 45(4): 264-265.
57. Omar HR, Sprenker C, Bosco G, Mangar D, Camporesi EM. Causes of ischemic electrocardiographic changes in near drowning: A literature review. J Crit Care. 2015 Oct;30(5):1121-3.
58. Bosco G, Clamer M, Messulam E, Dare C, Yang Z, Zordan M, Reggiani C, Hu Q, Megighian A. Effects of oxygen concentration and pressure on Drosophila melanogaster: oxidative stress, mitochondrial activity, and survivorship. Arch Insect Biochem Physiol. 2015 Apr;88(4):222-34.
59. V Zanon, A Morri, D Lonati, A Paoli, E M Camporesi, G Bosco. HBO_2 in snake envenomation (atrox albinus rattlesnake): a case report in a human. UHMJ 43(4):473-475. 2016
60. Bosco G, Omar HR, DE Marzi E, Camporesi EM, Mangar D, Pieri M, Schiavon M. Introducing a new entity: underwater 12-lead exercise ECG. J Sports Med Phys Fitness. 2016 May 24.
61. G Vezzani, S Socias, A Bianco, A Paoli, L Caberti, L Cantadori, D Manelli, M Mordacci, D Mangar, EM Camporesi, G Bosco. Inflammatory mediators and other biomarkers in co-intoxicated patients after hyperbaric oxygen therapy (HBO2). Acta Medica Mediterranea. 2016, 32: 189.
62. HR Omar, M Mirseidi, G Bosco, K Morgan, P,Dalvi, E Helal, D Mangar, EM Camporesi Cardiovascular complications and mortality determinants in near drowning victims: A 5-year retrospective analysis. J Crit Care. 2016 Sep 18. pii: S0883-9441(16)30500-7.
63. G Bosco. Ketogenic Diet and Sport: facts and fallacies. Acta Medica Mediterranea, 2016, 32: 1603.
64. Bosco G, Garetto G, Rubini A, Paoli A, Dalvi P, Mangar D, Camporesi EM. Safety of transport and hyperbaric oxygen treatment in critically-ill patients from Padua hospitals into a centrally-located, stand-alone hyperbaric facility. Diving Hyperb Med. 2016 Sep;46(3):155-159.
65. Rubini A, Catena V, Del Monte D, Bosco G. The effects of nifedipine on respiratory mechanics investigated by theend-inflation occlusion method in the rat. J Enzyme Inhib Med Chem. 2016 Oct 21:1-4.
66. Lodi A, Karsten B, Bosco G, Gómez-López M, Brandão PP, Bianco A, Paoli A. The Effects of Different High-Protein Low-Carbohydrates Proprietary Foods on Blood Sugar in Healthy Subjects. J Med Food. 2016, 19(11): 1–11.
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68. Vezzani, G., Quartesan, S., Cancellara, P., Camporesi, E., Mangar, D., Bernasek, T., Rizzato A & Bosco, G. (2017). Hyperbaric oxygen therapy modulates serum OPG/RANKL in femoral head necrosis patients. *Journal of Enzyme Inhibition and Medicinal Chemistry*, *32*(1), 707-711.
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71. Vezzani G, Iezzi M, Rizzato A, Quartesan S, Mangar D, Camporesi EM, Paganini M, Bosco G. Effects of Hyperbaric Oxygen exposure on mobilization of endothelial progenitors cells in healthy volunteers. Acta Medica Mediterranea, 2017, 33: 801
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73. Camporesi E, Vezzani G, Zanon V, Manelli D, Enten G, Quartesan S, Bosco G. Review on hyperbaric oxygen treatment in femoral head necrosis. Undersea Hyperb Med. 2017 Nov-Dec;44(6):497-508.
74. Vezzani G, Camporesi EM, Mangar D, Bernasek T, Yang Z, Quartesan S, Rizzato A, Bosco G. Beneficial Effect of Hyperbaric Oxygenation in Avascular Necrosis of the Femoral Head. Gazz Med Ital. 2018 March;177(3):72-8.
75. Cenci L, Paoli A, Omar HR, Dalvi P, Camporesi EM, Mangar D, Quartesan S, Fiorito A, Bosco G. Internist, anesthesiologist and surgeon use of ketogenic diet. Minerva Gastroenterol Dietol. 2018 Mar;64(1):84-93. doi: 10.23736/S1121-421X.17.02377-7.
76. Bosco G, Rizzato A, Moon RE and Camporesi EM (2018) Environmental Physiology and Diving Medicine. Front. Psychol. 9:72. doi: 10.3389/fpsyg.2018.00072
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78. Hentia C, Rizzato A, Camporesi E, et al. An overview of protective strategies against ischemia/ reperfusion injury: The role of hyperbaric oxygen preconditioning. Brain Behav. 2018;e00959. https://doi.org/10.1002/brb3.959
79. Gerardo Bosco, Alex Rizzato, Silvia Quartesan, Enrico Camporesi, Simona Mrakic-Sposta, Sarah Moretti, Costantino Balestra, Alessandro Rubini. Spirometry and oxidative stress after rebreather diving in warm water. UNDERSEA AND HYPERBARIC MEDICINE, UHM 2018, 45 (2):191-198
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