

BENIAMINO PALMIERI

<i>Profession:</i>	Associate Professor of general surgery
<i>Address:</i>	Via del pozzo 71 41100 Modena
<i>Office:</i>	Department of Surgery, Hospital of Modena (Italy)
<i>Phone:</i>	+39 0594222483 4222411-4222687 335332900
<i>E-mail :</i>	palmieri@unimo.it

Short Curriculum Vitae

He graduated at the University of Modena and Reggio Emilia cum laude and 5 undergraduate published papers: ASSOCIATE PROFESSOR OF GENERAL SURGERY 1982-2018

He has specific, natural creative and innovative background based on a definite specific experimental and preclinical background addressed to the development of new surgical procedures (round mesh and delayed nipple sparing original technique) and original medical and surgical devices in diagnostic and surgical settings on an highly professional standard basis and full immersion enthusiastic studies endorsement in Medicine &, Surgery in an Holistic Medicine perspective toward healthy longevity and diseases prevention.

Specialist in General Surgery, Plastic-Reconstructive breast surgery and Maxillofacial Surgery. A previous very first specialty in HAEMATOLOGY AND LABORATORY PROCEDURES had been achieved, with great confidence in microscopy and laparoscopy.

Author of more than 250 National and International publications with high impact factor, chapters of books on scientific texts International and 40 books and monographs, 50 patents, whose 35 extended internationally.

The main publications are:

1. Review of the molecular mechanisms in wound healing: new therapeutic targets? Palmieri B, Vadalà M, Laurino C Journal of Wound Care. VOL 26, NO 12, DECEMBER 2017.
2. Physical rehabilitation modulates microRNAs involved in multiple sclerosis: a case report. Valletta A, Berlingieri C, Ragusa M, Purrello M, Stabile MR, Calabrese MC, Morales-Molina JC, Palmieri B, Iannitti T. Clin Case Rep. 2017 Nov 2;5(12):2040-2043.

3. Herpes simplex virus-1 entrapped in *Candida albicans* biofilm displays decreased sensitivity to antivirals and UVA1 laser treatment. Ascione C, Sala A, Mazaheri-Tehrani E, Paulone S, Palmieri B, Blasi E, Cermelli C. *Ann Clin Microbiol Antimicrob*. 2017 Nov 14;16(1):72.
4. Fat embolism after fractures in Duchenne muscular dystrophy: an underdiagnosed complication? A systematic review. Feder D, Koch ME, Palmieri B, Fonseca FLA, Carvalho AAS. *Ther Clin Risk Manag*. 2017 Oct 10;13:1357-1361.
5. The “Second Opinion Medical Network”. *Int J Pathol Clin Res* 2017, 3:056. Palmieri B, Laurino C, Vadalà M.
6. Vaccination and autoimmune diseases: is prevention of adverse health effects on the horizon? Vadalà M, Poddighe D, Laurino C, Palmieri B. *EPMA J*. 2017 Jul 20;8(3):295-311.
7. The memory lymphocyte immunostimulation assay in immune system disorders: Is useful or useless? Vadalà M, Laurino C, Palmieri B. *J Lab Physicians*. 2017 Oct-Dec;9(4):223-226.
8. High-power Magnetotherapy: A New Weapon in Urinary Incontinence? Vadalà M, Palmieri B, Malagoli A, Laurino C. *Low Urin Tract Symptoms*. 2017 Jun 18.
9. Shark derivatives (Alkylglycerols, Squalene, Cartilage) as putative nutraceuticals in oncology. Vadalà M, Laurino C, Palmieri L, Palmieri B. *EUR. J. ONCOL.*; Vol. 22, n. 1, pp. 5-20, 2017.
10. Gastrointestinal activity of dietary flaxseed lignans, omega-3 fatty acids and fibres. Laurino C, Palmieri B, Vadalà M. *Nutrafoods* (2017) 1-9.
11. Short-Term Efficacy of CBD-Enriched Hemp Oil in Girls with Dysautonomic Syndrome after Human Papillomavirus Vaccination. Palmieri B, Laurino C, Vadalà M. *Isr Med Assoc J*. 2017 Feb;19(2):79-84.
12. Functional foods in pet nutrition: Focus on dogs and cats. Di Cerbo A, Morales-Medina JC, Palmieri B, Pezzuto F, Cocco R, Flores G, Iannitti T. *Res Vet Sci*. 2017 Jun;112:161-166.
13. Corticosteroid transdermal delivery significantly improves arthritis pain and functional disability. Iannitti T, McDermott MF, Laurino C, Malagoli A, Palmieri B. *Drug Deliv Transl Res*. 2017 Feb;7(1):156-161.

14. Experimental and Clinical Efficacy of Two Hyaluronic Acid-based Compounds of Different Cross-Linkage and Composition in the Rejuvenation of the Skin. Iannitti T, Morales-Medina JC, Coacci A, Palmieri B. *Pharm Res.* 2016 Dec;33(12):2879-2890. Epub 2014 Jun 25.
15. Mechanisms and therapeutic effectiveness of pulsed electromagnetic field therapy in oncology. Vadalà M, Morales-Medina JC, Vallelunga A, Palmieri B, Laurino C, Iannitti T. *Cancer Med.* 2016 Nov;5(11):3128-3139.
16. Severe somatoform and dysautonomic syndromes after HPV vaccination: case series and review of literature. Palmieri B, Poddighe D, Vadalà M, Laurino C, Carnovale C, Clementi E. *Immunol Res.* 2016 Aug 9.
17. The market of probiotics. Di Cerbo A, Palmieri B. *Pak J Pharm Sci.* 2015 Nov;28(6):2199-206.
18. Mechanisms and therapeutic effectiveness of lactobacilli. Di Cerbo A, Palmieri B, Aponte M, Morales-Medina JC, Iannitti T. *J Clin Pathol.* 2016 Mar;69(3):187-203.
19. Efficacy, Safety, and Tolerance of a New Injection Technique for High- and Low-Molecular-Weight Hyaluronic Acid Hybrid Complexes. Laurino C, Palmieri B, Coacci A. *Eplasty.* 2015 Oct 8;15:e46. eCollection 2015.
20. Mechanisms and therapeutic applications of electromagnetic therapy in Parkinson's disease.
21. Vadalà M, Vallelunga A, Palmieri L, Palmieri B, Morales-Medina JC, Iannitti T. *Behav Brain Funct.* 2015 Sep 7;11:26.
22. Heavy Metal Bioaccumulation in an Atypical Primitive Neuroectodermal Tumor of the Abdominal Wall. Roncati L, Gatti AM, Capitani F, Barbolini G, Maiorana A, Palmieri B. *Ultrastruct Pathol.* 2015;39(4):286-92.
23. ZEOLITE: "THE MAGIC STONE"; MAIN NUTRITIONAL, ENVIRONMENTAL, EXPERIMENTAL AND CLINICAL FIELDS OF APPLICATION. Laurino C, Palmieri B. *Nutr Hosp.* 2015 Aug 1;32(2):573-81.
24. Therapeutic Effectiveness of a Dietary Supplement for Management of Halitosis in Dogs. Di Cerbo A, Pezzuto F, Canello S, Guidetti G, Palmieri B. *J Vis Exp.* 2015 Jul 6;(101):e52717.

25. The utility of the 3D imaging software in the macroscopic rendering of complex gynecologic specimens. Roncati L, Palmieri B, Pusiol T, Pisciole F, Scialpi M, Barbolini G, Maiorana A. *J Gynecol Oncol*. 2015 Apr;26(2):168-9.
26. A dietary supplement improves facial photoaging and skin sebum, hydration and tonicity modulating serum fibronectin, neutrophil elastase 2, hyaluronic acid and carbonylated proteins. Di Cerbo A, Laurino C, Palmieri B, Iannitti T. *J Photochem Photobiol B*. 2015 Mar;144:94-103.
27. Narrative review of telemedicine consultation in medical practice. Di Cerbo A, Morales-Medina JC, Palmieri B, Iannitti T. *Patient Prefer Adherence*. 2015 Jan 13;9:65-75.
28. Jurassic surgery and immunity enhancement by alkyglycerols of shark liver oil. Palmieri B, Pennelli A, Di Cerbo A. *Lipids Health Dis*. 2014 Nov 27;13:178.
29. Unusual antibiotic presence in gym trained subjects with food intolerance; a case report. Di Cerbo A, Canello S, Guidetti G, Laurino C, Palmieri B. *Nutr Hosp*. 2014 Aug 1;30(2):395-8.
30. Effectiveness and Safety of Arnica montana in Post-Surgical Setting, Pain and Inflammation. Iannitti T, Morales-Medina JC, Bellavite P, Rottigni V, Palmieri B. *Am J Ther*. 2016 Jan-Feb;23(1):e184-97.
31. A preliminary study of painless and effective transdermal botulinum toxin A delivery by jet nebulization for treatment of primary hyperhidrosis. Iannitti T, Palmieri B, Aspiro A, Di Cerbo A. *Drug Des Devel Ther*. 2014 Jul 14;8:931-5.
32. Antibiotic treatments in zootechnology and effects induced on the food chain of domestic species and, comparatively, the human specie. Palmieri B, Di Cerbo A, Laurino C. *Nutr Hosp*. 2014 Jun 1;29(6):1427-33.
33. Experimental and Clinical Efficacy of Two Hyaluronic Acid-based Compounds of Different Cross-Linkage and Composition in the Rejuvenation of the Skin. Iannitti T, Morales-Medina JC, Coacci A, Palmieri B. *Pharm Res*. 2014 Jun 25. [Epub ahead of print]
34. Folate administration decreases oxidative status and blood pressure in postmenopausal women. Cagnacci A, Cannoletta M, Xholli A, Piacenti I, Palma F, Palmieri B. *Eur J Nutr*. 2015 Apr;54(3):429-35.

35. Onco-epidemiology of domestic animals and targeted therapeutic attempts: perspectives on human oncology. Di Cerbo A, Palmieri B, De Vico G, Iannitti T. *J Cancer Res Clin Oncol*. 2014 Nov;140(11):1807-14.
36. Palmieri's double suture skin repair: a new double suture approach to cases of skin cancer and ulcerative lesions. Palmieri B, Grappolini S, Fiamengo B, Iannitti T. *World J Surg Oncol*. 2014 Mar 28;12:70.
37. Phosphorothioate oligonucleotides: effectiveness and toxicity. Iannitti T, Morales-Medina JC, Palmieri B. *Curr Drug Targets*. 2014;15(7):663-73.
38. Staphylococcus aureus nasal carriage in Ukraine: antibacterial resistance and virulence factor encoding genes. Netsvyetayeva I, Fraczek M, Piskorska K, Golas M, Sikora M, Mlynarczyk A, Swoboda-Kopec E, Marusza W, Palmieri B, Iannitti T. *BMC Infect Dis*. 2014 Mar 5;14:128.
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41. Pulsed electromagnetic field therapy for management of osteoarthritis-related pain, stiffness and physical function: clinical experience in the elderly. Iannitti T, Fistetto G, Esposito A, Rottigni V, Palmieri B. *Clin Interv Aging*. 2013;8:1289-93.
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43. Clinical and experimental use of probiotic formulations for management of end-stage renal disease: an update. Di Cerbo A, Pezzuto F, Palmieri L, Rottigni V, Iannitti T, Palmieri B. *Int Urol Nephrol*. 2013 Dec;45(6):1569-76.
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49. Intestinal immune-potentialization by a purified alkylglycerols compound. Kantah MK, Wakasugi H, Kumari A, Carrera-Bastos P, Palmieri B, Naito Y, Catanzaro R, Kobayashi R, Marotta F. *Acta Biomed.* 2012 Apr;83(1):36-43.
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51. Management of haemostasis in surgery: sealant and glue applications. Lodi D, Iannitti T, Palmieri B. *Blood Coagul Fibrinolysis.* 2012 Sep;23(6):465-72.
52. Probable biofilm formation in the cheek as a complication of soft tissue filler resulting from improper endodontic treatment of tooth 16. Marusza W, Mlynarczyk G, Olszanski R, Netsvyetayeva I, Obrowski M, Iannitti T, Palmieri B. *Int J Nanomedicine.* 2012;7:1441-7.
53. Bisphosphonates: focus on inflammation and bone loss. Iannitti T, Rosini S, Lodi D, Frediani B, Rottigni V, Palmieri B. *Am J Ther.* 2012 May;19(3):228-46.
54. Neodymium:YAG laser treatment of lower leg telangiectasia: a new minimally invasive approach. Iannitti T, Lonardi R, Rottigni V, Palmieri B. *Lasers Med Sci.* 2012 Sep;27(5):1033-7.
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58. [Second opinion consultation: is Babel-web syndrome curable?]. Palmieri B, Capone S, Fistetto G. *Recenti Prog Med*. 2011 Jan;102(1):43.
59. The Web Babel syndrome. Palmieri B, Iannitti T. *Patient Educ Couns*. 2011 Nov;85(2):331-3.
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61. Osteoarthritis and degenerative joint disease: local treatment options update. Palmieri B, Lodi D, Capone S. *Acta Biomed*. 2010 Sep;81(2):94-100.
62. Stem cells in clinical practice: applications and warnings. Lodi D, Iannitti T, Palmieri B. *J Exp Clin Cancer Res*. 2011 Jan 17;30:9.
63. Intracellular heavy metal nanoparticle storage: progressive accumulation within lymph nodes with transformation from chronic inflammation to malignancy. Iannitti T, Capone S, Gatti A, Capitani F, Cetta F, Palmieri B. *Int J Nanomedicine*. 2010 Nov 15;5:955-60.
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65. Past, present and future of myoblast transplantation in the treatment of Duchenne muscular dystrophy. Palmieri B, Tremblay JP, Daniele L. *Pediatr Transplant*. 2010 Nov;14(7):813-9.
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70. [Eyebrow reconstruction with a scalp island flap based on the superficial temporal artery]. Piccagliani L, Ferrara F, Palmieri B, Mosca D. *Chir Ital.* 2009 Sep-Dec;61(5-6):647-51.
71. Small bowel obstruction by a congenital band. Report of two cases. Ranieri V, Sforza N, Palmieri B, Giacometti M, Capone S, Rossi A. *Chir Ital.* 2009 Sep-Dec;61(5-6):635-9.
72. Current status of measuring oxidative stress. Palmieri B, Sblendorio V. *Methods Mol Biol.* 2010;594:3-17.
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75. Securebox: a multibiopsy sample container for specimen identification and transport. Palmieri B, Sblendorio V, Saleh F, Al-Sebeih K. *Acta Cytol.* 2008 Nov-Dec;52(6):691-6.
76. An innovative method to evaluate the suture compliance in sealing the surgical wound lips. Saleh F, Palmieri B, Lodi D, Al-Sebeih K. *Int J Med Sci.* 2008;5(6):354-60.
77. Polydimethylsiloxane: An effective immune adjuvant and slow-release cytokine medium for local cancer treatment. Palmieri B, Saleh F, Benuzzi G, Mousa A, Shamseddine A, Al-Sebeih K. *J Carcinog.* 2008;7:5.

78. Intra-arterial chemotherapy: a safe treatment for elderly patients with locally advanced breast cancer. Pacetti P, Mambrini A, Paolucci R, Sanguinetti F, Palmieri B, Della Seta R, Muttini MP, Fiorentini G, Cantore M. *In Vivo*. 2006 Nov-Dec;20(6A):761-4.
79. [Duchenne muscular dystrophy: perspectives of treatment]. Palmieri B, Sblendorio V. *Recenti Prog Med*. 2006 Sep;97(9):448-58.
80. [Duchenne muscular dystrophy: rational basis, state of the art]. Palmieri B, Sblendorio V. *Recenti Prog Med*. 2006 Sep;97(9):441-7.
81. The anal bag: a modern approach to fecal incontinence management. Palmieri B, Benuzzi G, Bellini N. *Ostomy Wound Manage*. 2005 Dec;51(12):44-52.
82. Breast reduction and subsequent cancer: a prophylactic perspective. Palmieri B, Benuzzi G, Costa A, Grappolini S. *Breast*. 2006 Aug;15(4):476-81.
83. Delayed nipple-sparing modified subcutaneous mastectomy: rationale and technique. Palmieri B, Baitchev G, Grappolini S, Costa A, Benuzzi G. *Breast J*. 2005 May-Jun;11(3):173-8.
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86. Circumferential mesh in abdominal wall reconstruction: indications, technical notes and case report.
87. Palmieri B, Benuzzi G. *Ann Plast Surg*. 2003 Nov;51(5):439-45. High-power Magnetotherapy: A New Weapon in Urinary Incontinence? Vadalà M, Palmieri B, Malagoli A, Laurino C. *Low Urin Tract Symptoms*. 2017 Jun 18.

He worked five years in the United States in the area of transplantation (Denver and Pittsburgh) and Oncology (Memorial Sloan Kettering Cancer Center, New York).

He attended many breast surgery meeting congresses and conventions [the last one is SICPRE 2017 (66° National Congress of the Italian Society of Plastic, Aesthetic and Reconstructive Surgery) will be attended the next 21st and 22nd September in Modena, Italy, in which topics as ginecomasty and delayed nipple –sparing mastectomy were presented.

The main innovative trends of prof. Palmieri have been expressed in the following topics, with a small-motivated group of young researchers:

- Biomaterials (up from 70) with particular reference to the breast implants and hyaluronic acid as filler after breast surgery.
- Stem cells from adipose tissue in breast shaping and scar restoration.
- Fiber optic laser treatment of post lymphadenectomy/ mastectomy lymphedema of the upper arm.
- Breast surgery techniques, such as delayed nipple sparing mastectomy (see publications).
- Electromedical instruments especially in breast surgery and post-breast surgical patients (laser, Telethermography, ultrasounds cryo hydrodissectors, cyanoacrylates, wound healing materials, confocal microscopy, laparoscopy.
- Mini-invasive ginecomastia surgery.

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Modena, 29/05/2018

Prof. Beniamino Palmieri