

Edoardo Raposio, MD, PhD, FICS

Curriculum Vitae

Educational Qualifications

- 1991 Degree in Medicine and Surgery - University of Genova Medical School, Italy (magna cum laudae).
- 1996 Board Certified in Plastic and Reconstructive Surgery, University of Genova, Italy (magna cum laudae).
- 1998 PhD in Plastic and Reconstructive Surgery, University of Tromsø, Norway (magna cum laudae).
- 2000 Board Certified (full marks) in Hand Surgery, University of Florence, Italy.

- Visiting surgeon, Clinica Fluminense de Cirurgia Plastica, Rio de Janeiro, Brazil (1991).
- Researcher and Attending Surgeon, Department of Plastic, Reconstructive, and Hand Surgery, University Hospital, Tromsø, Norway (1994-1995).
- Consultant, The Nordström Hospital for Plastic and Reconstructive Surgery, Helsinki, Finland (1996).
- Attending surgeon, Regional Center for Surgery of the Hand, Savona, Italy (1997).
- Visiting surgeon, Division of Plastic and Reconstructive Surgery, University of Pittsburgh Medical Center, Pittsburgh, USA (January 1998).
- Clinical Instructor, Plastic Surgery Chair, University of Genova, Italy (1998-1999).
- Consultant, Division of Plastic and Reconstructive Surgery, National Institute for Cancer Research, Genova, Italy (2000).
- Assistant Professor, Plastic Surgery Chair, University of Genova, Italy (2001-2009).
- Director, Plastic Surgery Chair and Residency Program, University of Parma, Italy; Head, Cutaneous, Minimally Invasive, Regenerative and Plastic Surgery Unit, Parma Hospital, Italy (2010-2019).
- Full Professor and Director, Plastic Surgery Chair and Residency Program, University of Genova, Italy; Head, Plastic and Reconstructive Surgery Division, San Martino Hospital, Genova, Italy (2019-present).

Research Projects

- Research fellow of the research project "Clinical, epidemiological, and molecular analysis of familial melanoma" funded by the National Bureau of Health, Italy.
- Research fellow of the research project "Virtual endoscopy of the wrist", University of Genova, Italy.
- Scientific coordinator of the research project "Development of a multimodal interactive software for the surgical planning of oncologic and reconstructive surgical procedures", funded by the National University and Scientific Research Ministry, Italy.
- Scientific director of the national research project "Experimental and clinical evaluation of the regenerative processes of bisected hair follicles"; University Ministry, FIRB, Italy.

EVALUATOR

- Evaluator (surgical and biotechnological areas), INTAS projects, V and VI Quadro Programs, European Union.
- Evaluator (surgical and orthopedical areas), "KORANET Pilot Joint Call on Research for Life-long Health" projects, European Union.

- Evaluator (surgical and orthopedical areas), "EURASIA" projects, Russian Federation.
 - Reviewer, STRATEGMED Programme (Regenerative Medicine area), Poland.
 - Scientific expert, FAR, Ministry for the University and Research, Italy.
 - National referee, Italian Agency for the Evaluation of Universities and Research.
- Member (1999–present) of the Governing Board of the National Association BETA (Biomedical Technology Assessment), Italy.
 - Included in the second edition (2000) of the publication "Marquis Who's Who in Medicine and Healthcare".
 - Included in the publication "2000 Outstanding Scientists of the 20th Century", International Biographical Centre, Cambridge, U.K.
 - Author of more than 540 scientific papers/proceedings/abstracts and 9 books.

SCOPUS

Papers: 224

Citations: 3238

H-index: 32

Member (past or present)

Royal Society of Medicine, International College of Surgeons, American Society of Plastic Surgeons (ASPS), Japan Society of Plastic and Reconstructive Surgery, European Society of Plastic and Reconstructive Surgery (EURAPS), American Teratology Society, Societa' Italiana di Chirurgia, European Society for Dermatological Research, European Association for Endoscopic Surgery, Association of UICC Fellows, Societa' Italiana di Chirurgia Plastica, Ricostruttiva ed Estetica (SICPRE), European Society for Engineering and Medicine, Societa' Italiana di Chirurgia della Mano, Wound Healing Society, British Association of Oral and Maxillofacial Surgeons, Surgical Infection Society - Europe, American Cleft Palate - Craniofacial Association, Craniofacial Society of Great Britain, American Academy of Cosmetic Surgery, International Society of Hair Restoration Surgery, Associazione Chirurghi Ospedalieri Italiani, European Tissue Repair Society, European Society of Hair Restoration Surgery, Societa' Ligure di Chirurgia, American Society of Hair Restoration Surgery, New York Academy of Sciences, American Association for the Advancement of Science.

Reviewer: *Plastic and Reconstructive Surgery, Plastic and Reconstructive Surgery Global Open, Journal of Plastic, Reconstructive and Aesthetic Surgery, European Journal of Plastic Surgery, Archives of Plastic Surgery, Stem Cell Research & Therapy, Advances in Medical Sciences, International Journal of Infectious Diseases, Aging, Tissue and Cell, Journal of Clinical Medicine, Journal of Pain Research, Antibiotics, Journal of Neuroscience and Behavioral Health, International Journal of Medicine and Medical Sciences, Annals of Surgical Oncology, Acta Biomedica, Advances in Plastic & Reconstructive Surgery.*

**) Associate International Editor, Plastic and Reconstructive Surgery (2019-2023).*

**) International Associate Editor, Plastic and Reconstructive Surgery – Global Open (2019-2023).*

**) Editorial Board, Acta Biomedica (2012 – present).*

SCIENTIFIC PAPERS, cited in Scopus (first or last name only)

***) Tissue Expansion**

- 1) **Raposio E**, Santi P. Computer-aided preoperative planning of tissue expansion. **Ann Plast Surg**. 1997 Oct;39(4):416-7.
- 2) **Raposio E**, Santi P. Computer planning for breast reconstruction by tissue expansion. **Plast Reconstr Surg**. 1998 Jun;101(7):1931-3.
- 3) **Raposio E**, Cella A, Barabino P, Santi P. Ineffectiveness of acute scalp expansion. **Plast Reconstr Surg**. 1999 May;103(6):1645-9.
- 4) **Raposio E**, Panarese P, Cella A, Gualdi A, Faggioni M, Renzi M, Caregnato P, Santi PL. Effects of topical pharmacologic therapy in cutaneous expansion in reconstructive surgery. **Chirurgia**. 1999; 12(6): 465-7.
- 5) **Raposio E**, Cella A, Panarese P, Caregnato P, Gualdi A, Santi PL. Quantitative benefits provided by acute tissue expansion: A biomechanical study in human cadavers. **Br J Plast Surg**. 2000 Apr;53(3):220-4.
- 6) **Raposio E**, Adami M, Capello C, Ferrando G, Molinari R, Renzi M, Caregnato P, Gualdi A, Faggioni M, Panarese P, Santi PL. Intraoperative expansion of scalp flaps. Quantitative assessment. **Minerva Chir**. 2000 Sep;55(9):629-34.
- 7) **Raposio E**, Cella A, Caregnato P, Distefano A, Gualdi A, Ricci M, Capello C, Santi PL. Computer-aided preoperative planning of tissue expansion. **Minerva Chir**. 2001 Oct;56(5):543-5.
- 8) **Raposio E**, Bertozzi N. Quantitative difference of acute intraoperative expansion in various body regions. **Eur Rev Med Pharmacol Sci**. 2017;21:454-9.
- 9) **Raposio E**, Bertozzi N. Ultrastructural effects of topical dimethyl sulfoxide on collagen fibers during acute skin expansion in a human ex-vivo model. **Eur J Plast Surg**. 2017; 40(4): 271-6.
- 10) **Raposio E**. Scalp expansion: Surgical considerations and possible future directions. **Ind J Plast Surg**. 2018;51:84-8.
- 11) Raposio G, **Raposio E**. Scalp reconstruction by tissue expansion: tips and tricks. **Acta Biomed**, 2022, 93(5), e2022313.

***) Breast Surgery**

- 12) **Raposio E**, Santi PL. Topical application of DMSO as an adjunct to tissue expansion for breast reconstruction. **Br J Plast Surg**. 1999 Apr;52(3):194-7.
- 13) **Raposio E**, Cella A, Renzi M, Caregnato P, Barabino P, Faggioni M, Gualdi A, Santi PL. Clinical evaluation of a new adjuvant pharmacological protocol in breast reconstruction by tissue expansion. **Chirurgia**. 1999; 12(3): 237-9.
- 14) **Raposio E**, Caregnato P, Distefano A, Gualdi A, Capello C, Santi PL. Computer planning for postmastectomy breast reconstruction by tissue expansion. **Minerva Chir**. 2001 Apr;56(2):205-8.
- 15) **Raposio E**, Caregnato P, Barabino P, Gualdi A, Orefice A, Spagnolo A, Capello C, Santi PL. Computer-based preoperative planning for breast reconstruction in the woman with unilateral breast hypoplasia. **Minerva Chir**. 2002 Oct;57(5):711-4.
- 16) **Raposio E**, Cicchetti S, Adami M, Ciliberti RG, Santi PL. Computer planning for breast reconstruction by tissue expansion: An update. **Plast Reconstr Surg**. 2004 Jun;113(7):2095-7.
- 17) **Raposio E**, Bertozzi N, Quarta L, Grignaffini E. A case of neuroleptic malignant syndrome after breast reduction surgery in a schizophrenic patient. **Surg Chron**. 2016 Jan-Mar 21(1):41-3.
- 18) **Raposio E**, Belgrano V, Santi P, Chiorri C. Which is the Ideal Breast Size?: Some Social Clues for Plastic Surgeons. **Ann Plast Surg**. 2016 Mar;76(3):340-5.
- 19) Grieco MP, Simonacci F, Bertozzi N, Grignaffini E, **Raposio E**. Breast reduction: A case series analysis. **EuroMed Biomed J**. 2016; 11(22): 157-64.
- 20) Bertozzi N, Pesce M, Santi P, **Raposio E**. Tissue expansion for breast reconstruction: Methods and techniques. **Ann Med Surg (Lond)**. 2017 Jul;21;21:34-44.

- 21) Bellini E, Pesce M, Santi P, **Raposio E**. Two-Stage Tissue-Expander Breast Reconstruction: A Focus on the Surgical Technique. **Biomed Res Int**. 2017 Volume 2017, Article ID 1791546, 1-8.
- 22) Gardani M, Bertozzi N, Grieco MP, Pesce M, Simonacci F, Santi P, **Raposio E**. Breast reconstruction with anatomical implants: A review of indications and techniques based on current literature. **Ann Med Surg (Lond)**. 2017 Jul 20;21:96-104.
- 23) Polotto S, Grieco MP, Simonacci F, Bertozzi N, Marchesi F, Grignaffini E, **Raposio E**. Reduction mammoplasty techniques in post-bariatric patients: Our experience. **Acta Biomed**. 2017 Aug 23;88(2):156-160.
- 24) Bertozzi N, Pesce M, Santi PL, **Raposio E**. Oncoplastic breast surgery: Comprehensive review. **Eur Rev Med Pharmacol Sci**. 2017 Jun;21(11):2572-2585.
- 25) Bertozzi N, Pesce M, Santi P, **Raposio E**. One-stage immediate breast reconstruction: A concise review. **Biomed Res Int**. 2017;2017:6486859.
- 26) Bertozzi N, Simonacci F, Pesce M, Santi P, **Raposio E**. Nipple reconstruction techniques: Which is the best choice? **Open Med J**. 2018;5:3-16.
- 27) Grieco M.P., Bertozzi N., Grignaffini E., **Raposio E**. A three-year experience with medial-pedicle-based breast reduction for different mammary hypertrophy. **Acta Biomed**. 2018;89(3):389-96.
- 28) Simonacci F, Bertozzi N, Pesce M, Santi P, **Raposio E**. Areola reconstruction: Principles and techniques. **BMS Med J**. 2018;5:84-92.
- 29) Grieco MP, Simonacci F, Bertozzi N, Grignaffini E, **Raposio E**. Breast reconstruction with breast implant. **Acta Biomed**. 2019;89(4):457-62.
- 30) **Raposio E**, Santi P, Ciliberti R. Science, social media and ethics: The Italian case of breast implant withdrawal. **Chirurgia**. 2020 February;33(1):72-3.
- 31) Mangialardi ML, Salgarello M, Baldelli I, **Raposio E**. Prepectoral implant pocket conversion in breast reconstruction. **JPRAS Open** 2020;26:12-25.
- 32) Mangialardi ML, Baldelli I, Salgarello M, **Raposio E**. Surgical correction of inverted nipples. **Plast Reconstr Surg Glob Open** 2020;e2971.
- 33) Mangialardi ML, Baldelli I, Salgarello M, **Raposio E**. Thoracodorsal artery perforator flap in partial breast reconstruction: A systematic review. **Plast Reconstr Surg Glob Open** 2020;3104.
- 34) Mangialardi ML, Salgarello M, Cacciatore P, Baldelli I, **Raposio E**. Complication rate of prepectoral implant-based breast reconstruction using human acellular dermal matrices. **Plast Reconstr Surg Glob Open** 2021;e3235.
- 35) Mangialardi ML, Baldelli I, Salgarello M, **Raposio E**. Breast reconstruction using the lateral thoracic, thoracodorsal and intercostal arteries perforator flaps. **Plast Reconstr Surg Glob Open** 2021;e3334.
- 36) Baldelli I, Gari M, Aguglia A, Amerio A, Berrino V, Santori G, Friedman D, Serafini G, Amore M, **Raposio E**. Relationship between Breast Cancer Surgical Treatment and Psychiatric Symptomatology: Which Sociodemographic and Clinical Factors Could Influence It? A Preliminary Study. **Behav Sci (Basel)**. 2022 Jan 6;12(1):9.
- 37) Mangialardi ML, Zena M, Baldelli I, Spinaci S, **Raposio E**. The use of Autologous Flaps in Breast Reshaping After Massive Weight Loss: A Systematic Review. **Aesthetic Plast Surg**. 2022 Jan 29. doi: 10.1007/s00266-021-02717-2.
- 38) Baldelli I, Zena M, Vappiani M, Mangialardi ML, **Raposio E**. Body Self-Perception After Breast Reconstruction in Young Female Patients Affected by Poland Syndrome. **Aesth Plast Surg**, 2023, 47(1), 122-9.

*) Cleft lip and palate

- 39) **Raposio E**, Panarese P, Filippi F. Experimental considerations of the mechanism of lip and palate fusion. **Minerva Stomatol**. 1994 Dec;43(12):577-83.
- 40) **Raposio E**, Bado M, Verrina G, Santi P. Mitochondrial activity of orbicularis oris muscle in unilateral cleft lip patients. **Plast Reconstr Surg**. 1998 Sep;102(4):968-71.

- 41) **Raposio E**, Cella A, Panarese P, Faggioni M, Barabino P, Gualdi A, Caregnato P, Santi PL. Fetal unilateral cleft lip and palate: Detection of enzymic anomalies in the amniotic fluid. **Riv It Chir Plast**. 1998; 30(3): 157-60.
- 42) **Raposio E**, Panarese P, Santi P. Fetal unilateral cleft lip and palate: Detection of enzymic anomalies in the amniotic fluid. **Plast Reconstr Surg**. 1999 Feb;103(2):391-4.
- 43) **Raposio E**, Cella A, Panarese P, Renzi M, Caregnato P, Barabino P, Faggioni M, Gualdi A, Santi PL. Cleft lip: A histochemical and ultrastructural analysis of lip muscles. **Minerva Stomatol**. 1999 Oct;48(10):431-7.
- 44) Bertozzi N, Bianchi B, Salvagni L, **Raposio E**. Activity evaluation of facial muscles by surface electromyography. **Plast Reconstr Surg Glob Open** 2020;3081.

*) Adipose-Derived Stem Cells

- 45) **Raposio E**, Guida C, Baldelli I, Benvenuto F, Curto M, Paleari L, Filippi F, Fiocca R, Robello G, Santi PL. Characterization and induction of human pre-adipocytes. **Toxicol In Vitro**. 2007 Mar;21(2):330-4.
- 46) **Raposio E**, Guida C, Coradeghini R, Scanarotti C, Parodi A, Baldelli I, Fiocca R, Santi PL. In vitro polydeoxyribonucleotide effects on human pre-adipocytes. **Cell Prolif**. 2008 Oct;41(5):739-54.
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- 49) Coradeghini R, Guida C, Scanarotti C, Sanguineti R, Bassi AM, Parodi A, Santi PL, **Raposio E**. A comparative study of proliferation and hepatic differentiation of human adipose-derived stem cells. **Cells Tissues Organs**. 2010;191(6):466-77.
- 50) Scanarotti C, Bassi AM, Catalano M, Guida C, Coradeghini R, Falugi C, Aluigi M, Santi P, **Raposio E**. Neurogenic-committed human pre-adipocytes express CYP1A isoforms. **Chem Biol Interact**. 2010 Mar 30;184(3):474-83.
- 51) **Raposio E**, Caruana G, Bonomini S, Libondi G. A novel and effective strategy for the isolation of adipose-derived stem cells: minimally manipulated adipose-derived stem cells for more rapid and safe stem cell therapy. **Plast Reconstr Surg**. 2014 Jun;133(6):1406-9.
- 52) Caruana G, Bertozzi N, Boschi E, Pio Grieco M, Grignaffini E, **Raposio E**. Role of adipose-derived stem cells in chronic cutaneous wound healing. **Ann Ital Chir**. 2015;86:1-4.
- 53) **Raposio E**, Bonomini S, Calderazzi F. Isolation of autologous adipose tissue-derived mesenchymal stem cells for bone repair. **Orthop Traumatol Surg Res**. 2016;102:909-912.
- 54) **Raposio E**, Caruana G, Petrella M, Bonomini S, Grieco MP. A standardized method of isolating adipose-derived stem cells for clinical applications. **Ann Plast Surg**. 2016 Jan;76(1):124-6.
- 55) **Raposio E**, Bonomini S, Calderazzi F. Isolement des cellules souches mésenchymateuses autologues dérivées du tissu adipeux pour la réparation des pertes de substance osseuse. **Rev Chir Orthop Traumatol**. 2016;102(7):656.
- 56) **Raposio E**, Bertozzi N. Isolation of ready-to-use adipose-derived stem cell (ASC) pellet for clinical applications and a comparative overview of alternate methods for ASC isolation. **Curr Protoc Stem Cell Biol**. 2017; 41:1F.17.1-1F.17.12.
- 57) Bertozzi N, Simonacci F, Grieco MP, Grignaffini E, **Raposio E**. The biological and clinical basis for the use of adipose-derived stem cells in the field of wound healing. **Ann Med Surg (Lond)**. 2017 Jun 23;20:41-48.
- 58) **Raposio E**, Simonacci F, Perrotta RE. Adipose-derived stem cells: Comparison between two methods of isolation for clinical applications. **Ann Med Surg (Lond)**. 2017 Jul 8;20:87-91.

- 59) **Raposio E**, Bertozzi N. How to isolate a ready-to-use adipose-derived stem cells pellet for clinical application. **Eur Rev Med Pharmacol Sci**. 2017 Sep;21(18):4252-4260.
- 60) Simonacci F, Bertozzi N, **Raposio E**. Off-label use of adipose-derived stem cells. **Ann Med Surg (Lond)**. 2017 Oct 25;24:44-51.
- 61) **Raposio E**, Ciliberti RG. Clinical use of adipose-derived stem cells: European legislative issues. **Ann Med Surg (Lond)**. 2017;24:61-4.
- 62) Bertozzi N, Simonacci F, Grieco MP, Grignaffini E, **Raposio E**. Adipose-derived stem cells as a novel anti-aging therapy in cosmetic surgery: A concise review. **EuroMed Biomed J**. 2018;13:46-56.
- 63) Bellini E, **Raposio E**. Analysis of the European legal regulation on advanced therapy products: A guide to possible clinical applications of ASCS. **Gazz Med Ital - Arch Sci Med**. 2018;177(5):229-36.
- 64) **Raposio E**, Bellini E, Bertozzi N, Simonacci F, Grieco MP. Stem cells derived from adipose tissue: Possible uses and clinical applications. **Gazz Med Ital - Arch Sci Med**. 2018;177(6):311-23.
- 65) Simonacci F, Grieco MP, **Raposio E**. La liposuzione quale fonte di cellule staminali. **Gazz Med Ital - Arch Sci Med**. 2018;177(9):482-8.
- 66) Simonacci F, Bertozzi N., Grieco MP, **Raposio E**. From liposuction to adipose-derived stem cells: Indications and technique. **Acta Biomed**. 2019;90(2):197-208.

*) Hyperhidrosis Management

- 67) **Raposio E**, Cella A, Filippi F, Panarese P, Schenardi F, Santi PL. A minimally-invasive thoracic-sympathectomy technique for the treatment of upper extremity ischaemia and palmar/axillary hyperhidrosis. **J Hand Surg**. 1997; 22(1): 52.
- 68) **Raposio E**, Filippi F, Nordström RE, Santi P. Endoscopic transthoracic dorsal sympathectomy for the treatment of upper extremity hyperhidrosis: a new minimally invasive approach. **Plast Reconstr Surg**. 1998 Oct;102(5):1629-32.
- 69) **Raposio E**, Filippi F, Renzi M, Caregnato P, Capello C, Santi PL. Minimally-invasive endoscopic transthoracic sympathectomy of the upper limbs. A new method. **Minerva Chir**. 2001 Apr;56(2):193-7.
- 70) **Raposio E**, Puricelli O, Canini E, Iacoviello P, Menoni S, Santi PL. Psychologic evaluation of patients undergoing dorsal sympathectomy for the treatment of bilateral palmar and axillary hyperhidrosis. **Min Psich**. 2007; 48 (4): 379-86.
- 71) **Raposio E**, Caruana G. Video-assisted Thoracic Sympathectomy for the Treatment of Palmar and Axillary Hyperhidrosis: A 17-Year Experience. **Surg Laparosc Endosc Percutan Tech**. 2015 Oct;25(5):417-9.
- 72) **Raposio E**, Bellini E, Grieco MP. Minimally-invasive dorsal sympathectomies for the treatment of hyperhidrosis: Palmar microcirculatory assessment as an intraoperative-aid. **Eur J Plast Surg**. 2018.41(4):447-50.

*) Cutaneous Ulcers

- 73) **Raposio E**, Bertozzi N, Bonomini S, Bernuzzi G, Formentini A, Grieco MP, Pio Grieco M. Adipose-derived stem cells added to platelet-rich plasma for chronic skin ulcer therapy. **Wounds**. 2016 Apr;28(4):126-31.
- 74) **Raposio E**, Libondi G, Bertozzi N, Grignaffini E, Grieco MP. Effects of topical simvastatin for the treatment of chronic vascular cutaneous ulcers: A pilot study. **J Am Coll Clin Wound Spec**. 2016;7:13-8.
- 75) **Raposio E**, Bertozzi N, Moretti R, Grignaffini E, Grieco MP. Laser Doppler flowmetry and transcutaneous oximetry in chronic skin ulcers: A comparative evaluation. **Wounds**. 2017 Jul;29(7):190-195.
- 76) **Raposio E**, Bortolini S, Maistrello L, Grasso DA. Larval therapy for chronic cutaneous ulcers: Historical review and future perspectives. **Wounds**. 2017;29(12):367-73.
- 77) **Raposio E**, Simonacci F, Gorni D, Grieco MP. Plasma oxidative stress in patients with chronic vascular cutaneous ulcers. **J Am Coll Clin Wound Spec**. 2017, Feb 27;8(1-3)16-20.

- 78) **Raposio E**, Bertozzi N, Simonacci F, Grieco MP. Therapeutic effects of a pulsed electromagnetic device in chronic cutaneous ulcers of the lower limbs. **Wound Med.** 2018;20:18-20.
- 79) **Raposio E**, Bertozzi N, Grignaffini E, Simonacci F, Grieco MP. Adipose-derived stem cells for chronic cutaneous ulcers' treatment in patients with critical limb ischemia: A pilot study. **Eur J Plast Surg.** 2018;41(4):459-64.
- 80) **Raposio E**, Bertozzi N, Trevisan M, Grieco MP. Transcutaneous oximetry and laser Doppler flowmetry values in patients with chronic skin ulcers treated with platelet rich plasma and stromal vascular fraction cells: A pilot study. **Eur J Plast Surg.** 2018;41:577-82.

*) Lipofilling

- 81) **Raposio E**, Calderazzi F. Fat grafting for chronic heel pain following surgery for adult flatfoot deformity: Pilot study. **Foot.** 2017;31:56-60.
- 82) Simonacci F, Bertozzi N, Grieco MP, Grignaffini E, **Raposio E**. Procedure, applications, and outcomes of autologous fat grafting. **Ann Med Surg (Lond).** 2017;27;20:49-60.
- 83) Simonacci F, Bertozzi N, Grieco MP, Grignaffini E, **Raposio E**. Autologous fat transplantation for secondary breast reconstruction: Our experience. **G Chir.** 2017;38(3):117-23.
- 84) Bellini E, Grieco MP, **Raposio E**. The science behind autologous fat grafting. **Ann Med Surg (Lond).** 2017;24:65-73.
- 85) **Raposio E**, Bertozzi N. Autologous fat grafting harvesting and processing after breast reconstruction. **Surg Chron.** 2017;22(2):66-72.
- 86) Bellini E, Grieco MP, **Raposio E**. A journey through liposuction and liposculture. **Ann Med Surg (Lond).** 2017;24:53-60.
- 87) **Raposio E**, Bellini E, Bertozzi N, Simonacci F, Grieco MP. Autologous fat transfer in reconstructive breast surgery: Surgical technique. **Gazz Med It Arch Sci Med.** 2018;177:97-103.
- 88) Lago G, **Raposio E**. The role of lipotransfer in post-mastectomy breast reconstruction. **Chirurgia.** 2020; 33(6):312-9.
- 89) **Raposio E**, Baldelli I, Vappiani M, Gualdi A, Raposio G. The ideal buttock: Some aesthetic and morphometric considerations. **Eur J Plast Surg.** 2023; 46: 915-21.

*) Hand Surgery

- 90) **Raposio E**, Cella A, Barabino P, Santi P. Two modified techniques for flexor tendon repair. **Plast Reconstr Surg.** 1999 May;103(6):1691-5.
- 91) **Raposio E**, Cella A, Renzi M, Caregnato P, Gualdi A, Barabino P, Faggioni M, DiStefano A, Santi PL. Use of H-shaped splint for digital flexor tendon repair. **Min Ortop Traumatol.** 1999;50(2):69-74.
- 92) **Raposio E**, Capello C, Caregnato P, Gualdi A, Molinari R, Norat F, Faggioni M, Ricci M, Grosso MAS, Santi PL. Wrap-core suture for digital flexor tendon repair. **Riv It Biol Med.** 2000; 20(1-2): 31-4.
- 93) **Raposio E**, Capello C, Caregnato P, Spagnolo A, Gualdi A, Molinari R, Norat F, Orefice A, Adami M, Santi P. "H-shaped splints" for digital flexor repair. **Riv Ital Chir Plast.** 2001; 33 (1-2): 19-22.
- 94) Boriani F, **Raposio E**. Surgeon volume and the outcomes of Dupuytren's surgery: Results from a Dutch multicenter study. **Plast Reconstr Surg.** 2019; 143(5): 1125e-1126e.

*) Flaps and grafts

- 95) **Raposio E**, Fato M, Berrino P, Puzone R, Di Somma C, Beltrame F, Santi PL. Three-dimensional computer-assisted design of plastic reconstructive surgery procedures. **Stud Health Technol Inform.** 1996;29:134-8.

- 96) **Raposio E**, DiSomma C, Fato M, Schenone A, Andreucci L, Beltrame F, Santi P. An "augmented-reality" aid for plastic and reconstructive surgeons. **Stud Health Technol Inform.** 1997;39:232-6.
- 97) **Raposio E**, Santi PL. Pharmacological enhancement of cutaneous flap survival with topical dimethyl sulphoxide and hydrogen peroxide. **Br J Plast Surg.** 1998 Oct;51(7):551-4.
- 98) **Raposio E**, Cella A, Panarese P, Gualdi A, Renzi M, Caregnato P, Santi PL. Experimental model for the evaluation of topical application of a solution to help myocutaneous flaps transposition. **Otolaringol.** 1999; 49(1): 35-7.
- 99) **Raposio E**, Panarese P, Santi PL. Autologous cutaneous grafts for experimental reconstruction of facial cartilaginous defects: Ideas and innovations. **Eur J Plast Surg.** 1999; 22(7): 335-7.
- 100) **Raposio E**, Fato M, Caregnato P, Gualdi A, Molinari R, Capello C, Grosso S, Beltrame F, Santi P. Preoperative computer planning for the simulation of reconstructive and plastic surgical procedures. **Chirurgia.** 2000; 13(4): 243-5.
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- 102) **Raposio E**, Caruana G, Santi P, Cafiero F. Relationship between lunar cycle and haemorrhagic complication rate in surgery. **Acta Chir Belg.** 2017;4:1-8.
- 103) Simonacci F, Toni R, **Raposio E**. Facial transplantation. An update of results and perspectives from tissue engineering. **Ann Ital Chir.** 2017;88:352-359.
- 104) **Raposio E**. A small new idea for the training of plastic surgery residents. **Chirurgia.** 2018;31(2):56-8.
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- 2: **Raposio E**, Spinzo G. "The Art and Science of Post-Bariatric Plastic Surgery". Aracne Editrice, 2019.
- 3: DiMascio D, **Raposio E**. "Local Flaps in Facial Reconstruction". Nuova Editrice Berti, 2018.
- 4: **Raposio E**. "Ulcere cutanee: Etiopatogenesi, diagnosi, terapia e tecniche chirurgiche". Universitas Studiorum, 2016.
- 5: **Raposio E**. "Atlas of Endoscopic Plastic Surgery". Springer, New York, USA, 2015.
- 6: **Raposio E**. "Il Melanoma Cutaneo: Diagnosi e Terapia Chirurgica", Aracne Editrice, 2014.
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- 8: **Raposio E**. "Tissue Engineering and Plastic Surgery", Rosendale Books, UK, 2012.
- 9: **Raposio E**. "Clinical and Experimental Advances in Reconstructive and Aesthetic Surgery of the Scalp". Tromsø University Press, Norway, 1998.

Chapters:

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- 7: **Raposio E**, Libondi G. Definizione delle SVF (Stromal Vascular Fraction) e Descrizione delle Metodiche di Estrazione ed Isolamento delle Popolazioni Cellulari. In: "Chirurgia Plastica Rigenerativa" (Cervelli V, Gentile P, Ed.). Società Editrice Universo, 2015.
- 8: **Raposio E**, Bilancia R, Gussago F. Trattamento Chirurgico dell'Iperidrosi. In: "Patologia Toracica di Interesse Chirurgico" (Carbognani P, Ampollini L, Rusca M, Ed.). Monte Università Parma Editore, 2011.
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- 14: Santi PL, Adami M, Casabona F, Filippi F, Muggianu M, Perniciaro G, Rainero ML, Michelini F, Panarese P, **Raposio E**. Patologia Specialistica. In: "Principi di Chirurgia Plastica". (P.L. Santi, Ed.). ECIG, Genova, 1996.
- 15: Franchelli S, Leone MS, Panarese P, **Raposio E**. Chirurgia Estetica. In: "Principi di Chirurgia Plastica". (P.L. Santi, Ed.). ECIG, Genova, 1996.

Speaker at Congresses/Courses

- 1) XV° Congresso Nazionale Associazione Chirurghi Ospedalieri Italiani - Genova, 22-25 Maggio 1996.
- 2) XXVI° Congress of the Scandinavian Society of Plastic and Reconstructive Surgery - Stockholm, Svezia, 13-16 Giugno 1996.
- 3) Primo Corso di Formazione di Diagnosi Precoce, Trattamento e Follow-up dei Tumori Mammari - Genova, 24 Maggio 1997.
- 4) XI° Congresso Regionale Associazione Chirurghi Ospedalieri Italiani - Santa Margherita Ligure, 30 Maggio 1997.
- 5) IV° Congress Federation of the European Societies for Surgery of the Hand and Hand Therapists - Bologna, 15-18 Giugno 1997.
- 6) 8th International Congress on Cleft Palate and Related Craniofacial Anomalies - Singapore, 7-12 Settembre 1997.
- 7) 66th Annual Scientific Meeting of the American Society of Plastic and Reconstructive Surgeons - San Francisco, USA, 20-24 Settembre 1997.

- 8) VI° Congress of Italian and American Plastic Surgeons – Taormina, 19-20 Giugno 1998.
- 9) 67th Annual Scientific Meeting of the American Society of Plastic and Reconstructive Surgeons - Boston, USA, 3-7 Ottobre 1998.
- 10) Corso "Plaies et Cicatrices", Société Française et Francophone des Plaies et Cicatrisations - Montpellier, Francia, 21-23 Aprile 1999.
- 11) Corso Teorico-Pratico "Impiego della Tossina Botulinica: Approccio Interdisciplinare", Istituto Dermopatico dell'Immacolata - Roma, 24 Aprile 1999.
- 12) 19^{mo} Corso Propedeutico di Chirurgia e Riabilitazione della Mano - Savona, 6-12 Giugno 1999.
- 13) 12th Congress of the International Confederation for Plastic, Reconstructive and Aesthetic Surgery (IPRAS) – San Francisco, USA, 27 Giugno – 2 Luglio 1999.
- 14) 48^{mo} Congresso Nazionale Società Italiana di Chirurgia Plastica, Ricostruttiva ed Estetica – Gubbio, 25-30 Settembre 1999.
- 15) 68th Annual Scientific Meeting of the American Society of Plastic and Reconstructive Surgeons – New Orleans, USA, 23-27 Ottobre 1999.
- 16) International Symposium on Computer and Robotic-Assisted Surgery – Aarau, Svizzera, 29-30 Ottobre 1999.
- 17) "Tebio" First International Exhibition and Congress on Biotechnology – Genova, 24-26 Maggio 2000.
- 18) Seventh Congress of Italian and American Plastic Surgeons Conference - Newport, USA, 22-25 Giugno 2000.
- 19) XIV° Congresso Regionale A.C.O.I. Liguria "Decision Making in Chirurgia" – Lerici (SP), 19 Gennaio 2001.
- 20) NETTAB Workshop on "CORBA and XML: Towards a bioinformatics integrated network environment" – Advanced Biotechnology Center, Genova, 17-18 Maggio 2001.
- 21) Fourth Annual Congress of the European Society of Hair Restoration Surgery – Barcellona, Spagna, 30 Maggio – 3 Giugno 2001.
- 22) 50^{mo} Congresso Nazionale Società Italiana di Chirurgia Plastica, Ricostruttiva ed Estetica – Roma, 14-16 Settembre 2001.
- 23) 9th Congress European Societies of Plastic Reconstructive and Aesthetic Surgery (ESPRAS) – Roma, 16-20 Settembre 2001.
- 24) XV° Congresso Regionale Associazione Chirurghi Ospedalieri Italiani (A.C.O.I.) Liguria – Genova, 16 Novembre 2001.
- 25) 51^{mo} Congresso Nazionale Società Italiana di Chirurgia Plastica, Ricostruttiva ed Estetica – Verona, 19– 21 Settembre 2002.
- 26) XV° Corso Internazionale "Myocutaneous Flap Dissection" - Università degli Studi di Brno, Repubblica Ceca, 14-16 Maggio 2003.
- 27) 52^{mo} Congresso Nazionale Società Italiana di Chirurgia Plastica, Ricostruttiva ed Estetica - Firenze, 18-20 Settembre 2003.
- 28) XVII° Congresso Regionale ACOI (Associazione Chirurghi Ospedalieri Italiani) - Sestri Levante, 24 Ottobre 2003.
- 29) 56^{mo} Congresso Nazionale Società Italiana di Chirurgia Plastica, Ricostruttiva ed Estetica – Pozzo Faceto di Fasano (BR), 26-29 Settembre 2007.
- 30) 1° Corso Avanzato IDI (Istituto Dermopatico dell'Immacolata) di Chirurgia Ricostruttiva della Faccia "ROMAVOLTO 2017" – Roma, 5-7 Dicembre 2007.
- 31) II° Congresso Nazionale CO.R.TE. (Conferenza Italiana per lo Studio e la Ricerca sulle Ulcere, Piaghe, Ferite e la Riparazione Tessutale) – Roma, 27-29 Febbraio 2008.
- 32) VIII° Corso di Formazione Avanzata "Cellule Staminali e Medicina Rigenerativa 2009", Collegio Ghisleri – Pavia, 16-20 Marzo 2009.
- 33) Congresso Nazionale Annuale AIUC (Associazione Italiana Ulcere Cutanee) "L'Ulcera Cutanea Difficile: Regola o Eccezione?" – Firenze, 25-26 Settembre 2009.
- 34) 58^{mo} Congresso Nazionale Società Italiana di Chirurgia Plastica, Ricostruttiva ed Estetica – Sanremo (IM), 28 Settembre 1 Ottobre 2009.
- 35) First International Conference "Regenerative Surgery" – Roma, 9-11 Dicembre 2009.
- 36) Master in Chirurgia Estetica, Università degli Studi di Genova – 10 Maggio 2010.

- 37) 10th International Congress of the European Federation of Societies for Microsurgery (E.F.S.M.) – Genova, 20-22 Maggio 2010.
- 38) 59^{mo} Congresso Nazionale Società Italiana di Chirurgia Plastica, Ricostruttiva ed Estetica – Siena, 22-26 Settembre 2010.
- 39) I° Meeting ADNEXA – Napoli, 26-27 Novembre 2010.
- 40) 1° Corso mono-tematico S.I.C.P. (Società Italiana Caviglia e Piede) “Il Piede Diabetico Complicato: Approccio Multidisciplinare al Problema” – Parma, 26 Marzo 2011.
- 41) Master “Oncoplastica Mammaria e Trattamenti Integrati” – Forlì, 12 Settembre 2012.
- 42) Congresso annuale inter-regionale GTVER (Gruppo Triveneto Emiliano-Romagnolo di Chirurgia Plastica) - Parma, 14-15 Giugno 2013.
- 43) Congresso Nazionale congiunto Italian Chapter of American College of Surgeons (ACS), Società Italiana dei Chirurghi Universitari (S.I.C.U.), Società Italiana di Chirurgia d’Urgenza e del Trauma (S.I.C.U.T.), Società Italiana di Ricerche in Chirurgia (S.I.R.C.) - Genova, 24-27 Giugno 2013.
- 44) XXII Meeting Invernale Chirurgia Plastica “Domenico Dioguardi” – Cortina d’Ampezzo (BL), 29 Gennaio – 1 Febbraio 2014.
- 45) 89^{mo} Congresso Nazionale SIDeMaST (Società Italiana di Dermatologia Medica, Chirurgica, Estetica e delle Malattie Sessualmente Trasmesse) – Parma, 14-17 Maggio 2014.
- 46) Società Italiana di Microchirurgia “Primo Corso Base di Microchirurgia” – Parma, 7-10 Aprile 2015.
- 47) Convegno “Iter Clinico Del Paziente Con Disforia Di Genere” – Parma, 5 Maggio 2015.
- 48) Società Italiana di Microchirurgia “Secondo Corso Base di Microchirurgia” – Parma, 23-26 Marzo 2016.
- 49) XXXI° Congresso Nazionale SIDCO (Società Italiana di Dermatologia Chirurgica e Oncologica) – Trieste, 7-9 Aprile 2016.
- 50) BCC Meeting “Nuove Prospettive Terapeutiche per il Trattamento del Carcinoma Basocellulare” – Parma, 15 Giugno 2016.
- 51) International Symposium on Haemangiomas and Vascular Malformations – Parma, 8-9 Luglio 2016.
- 52) 65^{mo} Congresso Nazionale Società Italiana di Chirurgia Plastica, Ricostruttiva ed Estetica – Torino, 21-24 Settembre 2016.
- 53) Master “Oncoplastica Mammaria e Trattamenti Integrati” – Forlì, 17-20 Ottobre 2016.
- 54) Convegno “Le Terapie Integrate del Carcinoma Mammario: Il Ruolo della Breast Unit” – Parma, 21 Ottobre 2016.
- 55) Master “Cellule Staminali Ematopoietiche e Medicina Rigenerativa”, Prima Edizione – Parma, 15 Dicembre 2016.
- 56) Master “Cellule Staminali Ematopoietiche e Medicina Rigenerativa”, Seconda Edizione – Parma, 20 Febbraio 2017.
- 57) Società Italiana di Chirurgia della Mano e Società Italiana di Microchirurgia “Terzo Corso Base Teorico-Pratico di Microchirurgia” – Parma, 3-6 Maggio 2017.
- 58) 6th EURAPS (European Association of Plastic Surgeons) Research Council Annual Meeting – Pisa, 24-25 Maggio 2017.
- 59) XXVI° Congresso Nazionale AIDA (Associazione Italiana Dermatologi Ambulatoriali) – Roma, 26 Maggio 2017.
- 60) 28th EURAPS (European Association of Plastic Surgeons) Annual Meeting – Pisa, 25-27 Maggio 2017.
- 61) British Association of Plastic Surgeons & Finnish Society of Plastic Surgery conjunct Meeting – Helsinki, 15-17 Giugno 2017.
- 62) PCS 2nd Cell Science & Stem Cell Conference – Roma, 8-9 Luglio 2017.
- 63) 66^{mo} Congresso Nazionale Società Italiana di Chirurgia Plastica, Ricostruttiva ed Estetica (SICPRE) – Modena, 21-23 Settembre 2017.
- 64) 55^{mo} Congresso Nazionale Società Italiana Chirurgia della Mano (SICM) – Modena, 12-14 Ottobre 2017.

- 65) 15^{mo} Congresso Nazionale Società Italiana Chirurghi Universitari (SICU) – Genova, 3-4 Novembre 2017.
- 66) Master "Cellule Staminali Ematopoietiche e Medicina Rigenerativa", Terza Edizione – Parma, 19 Aprile 2018.
- 67) Società Italiana di Microchirurgia e Società Italiana di Chirurgia della Mano "Quarto Corso Base Teorico-Pratico di Microchirurgia" – Parma, 2-5 Maggio 2018.
- 68) Master Universitario di II livello "Oncoplastica Mammaria e Trattamenti Integrati", Istituto Nazionale Tumori, Milano – 23 Maggio 2018.
- 69) International Society for Dermatologic and Aesthetic Surgery (ISDS) + Italian Society of Surgical and Oncological Dermatology (SIDCO) Conjoint Annual Meeting – Roma, 7-9 Giugno 2018.
- 70) 56^{mo} Congresso Nazionale Società Italiana Chirurgia della Mano (SICM) – Pordenone, 4-6 Ottobre 2018.
- 71) 67^{mo} Congresso Nazionale Società Italiana di Chirurgia Plastica, Ricostruttiva ed Estetica (SICPRE) – Roma, 10-13 Ottobre 2018.
- 72) III Convegno Nazionale Terme e Medicina Estetica – Montecatini Terme, 10 Novembre 2018.
- 73) VII Congresso Nazionale CO.R.TE. (Conferenza Italiana per lo Studio e la Ricerca sulle Ulcere, Piaghe, Ferite e la Riparazione Tessutale) – Roma, 14-16 Novembre 2018.
- 74) II Convegno Regionale SIMCRI (Società Italiana Medicina e Chirurgia Rigenerativa) "PRP e Rigenerazione Tissutale: Aspetti Clinici e Normativi" – Santa Margherita Ligure (GE), 17 Novembre 2018.
- 75) I Congresso Medicina Rigenerativa ed Estetica – Roma, 17-19 Gennaio 2019.
- 76) XXVII Meeting Invernale Chirurgia Plastica "Domenico Dioguardi" – Cortina d'Ampezzo (BL), 29 Gennaio – 1 Febbraio 2019.
- 77) "Neuroscience 2019" World Congress on Neurology and Brain Disorders – Paris, Francia, 15-16 Aprile 2019.
- 78) 4th Global Experts Meeting on Plastic & Aesthetic Surgery – Roma, 23-24 Aprile 2019.
- 79) Società Italiana di Microchirurgia e Società Italiana di Chirurgia della Mano "Quinto Corso Base Teorico-Pratico di Microchirurgia" – Parma, 9 Maggio 2019.
- 80) Congresso Annuale Gruppo Triveneto-Emiliano Romagnolo di Chirurgia Plastica (GTVR) – Riccione, 10-11 Maggio 2019.
- 81) 62nd National Congress Japan Society of Plastic and Reconstructive Surgery – Sapporo (Japan), 15-17 Maggio 2019.
- 82) 30th EURAPS (European Association of Plastic Surgeons) Annual Meeting – Helsinki (Finland), 23-25 Maggio 2019.
- 83) 10th Congress of World Society for Reconstructive Microsurgery – Bologna, 12-15 Giugno 2019.
- 84) BAPRAS (British Association of Plastic, Reconstructive and Aesthetic Surgey) Summer Scientific Meeting and Trainee Day – Bournemouth (UK), 26-29 Giugno 2019.
- 85) 8th Edition of International Conference and Exhibition on Surgery and Transplantation – Valencia (Spain), 1-2 Luglio 2019.
- 86) 88th Annual Meeting of the American Society of Plastic Surgery – San Diego (USA), 19-23 Settembre 2019.
- 87) 68^{mo} Congresso Nazionale Società Italiana di Chirurgia Plastica, Ricostruttiva ed Estetica (SICPRE) – Palermo, 26-28 Settembre 2019.
- 88) Convegno "L'evoluzione della Chirurgia Plastica e Ricostruttiva ad 85 anni dalla sua istituzione alla "Sapienza"" – Roma, 11-12 Ottobre 2019.
- 89) Corso Teorico-Pratico "Chirurgia Plastica e Ricostruttiva della Mammella", Accademia Nazionale di Medicina – Santa Margherita Ligure (GE), 14-15 Novembre 2019.
- 90) 28^{mo} Congresso Nazionale Società Italiana di Microchirurgia (SIM) – Genova, 21-23 Novembre 2019.
- 91) 75^{mo} BAPRAS (British Association of Plastic, Reconstructive and Aesthetic Surgey) Scientific Meeting – London (UK), 28 Ottobre 2021.

- 92) 90th Annual Meeting of the American Society of Plastic Surgery – Atlanta (USA), 29 Ottobre – 1 Novembre 2021.
- 93) 65th National Congress Japan Society of Plastic and Reconstructive Surgery – Osaka (Japan), 20-22 Aprile 2022.
- 94) Simposio Primaveraile di Chirurgia Plastica - Capri (NA), 7 Maggio 2022.
- 95) Simposio SICPRE "XXX anni Scuola di Specializzazione in Chirurgia Plastica, Ricostruttiva ed Estetica - Ancona, 12 Maggio 2022.
- 96) International Confederation of Plastic Surgery Societies (ICOPLAST) World Congress – Lima, Perù, 19-21 Maggio 2022.
- 97) XXIV Annual Meeting European Society of Surgery – Genova, 28-29 Maggio 2022.
- 98) Celtic Meeting of the British Association of Plastic, Reconstructive and Aesthetic Surgeons (BAPRAS) – Dunblane (Scotland), 8-9 Settembre 2022.
- 99) Fourteenth Quadrennial European Society of Plastic, Reconstructive and Aesthetic Surgery Conference – Porto (Portogallo), 5-7 Ottobre 2022.
- 100) 91st Annual Meeting of the American Society of Plastic Surgery – Boston (USA), 27 - 30 Ottobre 2022.
- 101) 76^{mo} BAPRAS (British Association of Plastic, Reconstructive and Aesthetic Surgey) Scientific Meeting – London (UK), 30 Novembre – 2 Dicembre 2022.
- 102) 66th National Congress Japan Society of Plastic and Reconstructive Surgery – Nagasaki (Japan), 26-28 Aprile 2023.
- 103) International Confederation of Plastic Surgery Societies (ICOPLAST) World Congress – Dubai, EAU, 5-7 Maggio 2023.
- 104) "Chirurgia Ricostruttiva e Rigenerativa delle Lesioni Difficili dei Genitali Maschili e Femminili" – Genova, 9-10 Giugno 2023.
- 105) Twelfth International Conference "Regenerative Surgery" – Roma, 16-17 Giugno 2023.
- 106) 29th Lymphology World Congress – Genova, 11-15 Settembre 2023.
- 107) 71^{mo} Congresso Nazionale Società Italiana di Chirurgia Plastica, Ricostruttiva ed Estetica (SICPRE) – Roma, 21-23 Settembre 2023.
- 108) Convegno "Roma Breast Days" – Roma, 13-14 Ottobre 2023.
- 109) 92nd Annual Meeting of the American Society of Plastic Surgery – Austin (USA), 26 - 29 Ottobre 2023.
- 110) 67th Annual Congress Japan Society of Plastic and Reconstructive Surgery – Kobe (Japan), 10-12 Aprile 2024.
- 111) Annual Meeting of the European Association of Plastic Surgeons (EURAPS) – Athens, Greece, 30 Maggio – 1 Giugno 2024.
- 112) Celtic Meeting, British Association of Plastic, Reconstructive and Aesthetic Surgery (BAPRAS) – Dundee, Scotland, 12-13 Settembre 2024.

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