



PD Dr med Elisabeth A Kappos
Consultant
Breast Center and
Department of Plastic, Reconstructive, Aesthetic and Handsurgery
University Hospital Basel
Spitalstrasse 21
4031 Basel
Switzerland

Elisabeth Artemis Kappos

Personal Status

- Nationalities: Swiss, Greek, German

Education

1992-2000	Humanistisches Gymnasium Basel: Matura, Type B(honours)
2001-2007	Medical Faculty, University of Zurich
Jan-March 2006	Scholarship Duke Medical Center, NC, USA (honours)
April-July 2006	Scholarship Mount Sinai Medical Center, NY, USA(honours)
Oct 2007	Medical school graduation, University of Zurich
April 2008	MD certification (Dr. med.), University of Zurich
Dec 2005	USMLE Step 1, Geneva, CH
Dec 2007	USMLE Step 2 CK, Frankfurt, D
April 2011	USMLE Step 2 CS, Philadelphia, USA
Dec 2008	Basisexamen Chirurgie, Bern, CH
2011	ECFMG MD certification, USA
Nov 2013	Fellow of European Board of Plastic, Reconstructive and Aesthetic Surgery
April 2014	FMH Plastic, Reconstructive and Aesthetic Surgery
2014-2015	Microsurgical&Breast Fellowship Univ of Toronto, CA (Proff Hofer& Zhong)
2015	Craniofacial&Aesthetic Fellowship, UCSF, USA (Prof Toth)
2015	Breast&Lymphatic Fellowship, Brussels, BE (Prof Hamdi)
2016	Craniofacial&Aesthetic Fellowship Univ of Edinburgh (Drs Stewart&Quaba)
2019	PD (Habilitation) University of Basel, CH

Languages

German, English, French: fluent; Spanish: good; Greek & Italian: basic skills

Professional Experience

Jan 2008-Dec 2009	General Surgery& Intensive Care, Triemli Hospital Zurich, CH (Prof Metzger)
Jan 2010-Dec 2011	Reconstructive, Plastic&Handsurgery, Kantonsspital St Gallen, CH (Prof Grünert)
Jan-Dec 2012	Research fellow, Plastic, Reconstructive, Aesthetic and Handsurgery University Hospital Basel, CH (Prof Kalbermatten)
Jan 2012-June 2014	Residency, Department of Plastic, Reconstructive, Aesthetic and Handsurgery, University Hospital Basel, CH (Prof Schaefer)
July 2014-June 2015	Reconstructive Microsurgery Fellowship, Toronto, Prof Hofer
July 2015-Aug 2015	Aesthetic Fellowship, UCSF, San Francisco, USA, Prof Toth
Aug 2015-Nov 2015	Breast and Lymphatic Fellowship, UZ Brussels, Prof Hamdi
Nov 2015-April 2016	Craniofacial and Aesthetic Fellowship Univ of Edinburgh, Drs Stewart&Quaba
Since April 2016	Consultant Breast Center and Department of Plastic, Reconstructive, Aesthetic

Publications:

Colour Doppler Ultrasound and Coputed Tomographic Angiography for Perforator Mapping in DIEP Flap Breast Reconstruction Revisited: a Cohort Study. Mijuskovic B, Tremp M, Aschwanden M, ZEindler J, Kurzeder Ch, Schaefer DJ, Haug M, **Kappos EA**. J Plast Reconstr Aesthet Surg. 2019 Jul 6.

What happened after the PIP(Poly Implant Prosthèse)-recall? A prospective cohort study of 808 implants into the predictive value of implant rupture on post-exchange complications. **Kappos EA**, Fitzgerald E, Haug MD, Quaba O, Quaba A. Plast Reconstr Surg. 2019 Jul; 144(1): 35e-42e.

Oncoplastic Breast Consortium consensus conference on nipple-sparing mastectomy. Weber WP, Haug M, Kurzeder C, Bjelic-Radisic V, Koller R, Reitsamer R, Fitzal F, Biazus J, Brenelli F, Urban C, Paulinelli RR, Blohmer JU, Heil J, Hoffmann J, Matrai Z, Catanuto G, Galimberti V, Gentilini O, Barry M, Hadar T, Allweis TM, Olsha O, Cardoso MJ, Gouveia PF, Rubio IT, de Boniface J, Svensjö T, Bucher S, Dubsky P, Farhadi J, Fehr MK, Fulco I, Ganz-Blättler U, Günthert A, Harder Y, Hauser N, **Kappos EA**, Knauer M, Landin J, Mechera R, Meani F, Montagna G, Ritter M, Saccilotto R, Schwab FD, Steffens D, Tausch C, Zeindler J, Soysal SD, Lohsiriwat V, Kovacs T, Tansley A, Wyld L, Romics L, El-Tamer M, Pusic AL, Sacchini V, Gnant M. Breast Cancer Res Treat. 2018 Dec;172(3):523-537. doi: 10.1007/s10549-018-4937-1. Epub 2018 Sep 4.

Epineural adipose-derived stem cell injection in a sciatic rodent model. **Kappos EA**, Baenziger-Sieber P, Tremp M, Engels PE, Thommen S, Sprenger L, Benz RM, Schaefer DJ, Schaaeren S, Kalbermatten DF. Brain Behav. 2018 Jul;8(7):e01027. doi: 10.1002/brb3.1027. Epub 2018 Jun 19.

Decoration of RGD-mimetic porous scaffolds with engineered and devitalized extracellular matrix for adipose tissue regeneration. Rossi E, Guerrero J, Aprile P, Tocchio A, **Kappos EA**, Gerges I, Lenardi C, Martin I, Scherberich A. Acta Biomater. 2018 Jun;73:154-166. doi: 10.1016/j.actbio.2018.04.039. Epub 2018 Apr 21.

Denervation leads to volume regression in breast cancer. **Kappos EA**, Engels PE, Tremp M, Sieber PK, von Felten S, Madduri S, Meyer Zu Schwabedissen M, Fischmann A, Schaefer DJ, Kalbermatten DF. J Plast Reconstr Aesthet Surg. 2018 Jun;71(6):833-839. doi: 10.1016/j.bjps.2018.03.012. Epub 2018 Mar 28.

From Bedside to Bench: The Effect of Muscular Denervation on Fat Grafting to the Breast by Comparing Take Rate, Quality, and Longevity. Engels PE, **Kappos EA(shared first authors)**, Sieber PK, Benz RM, Thommen S, Schaefer DJ, Kalbermatten DF. Aesthet Surg J. 2018 Jul 13;38(8):900-910. doi: 10.1093/asj/sjy073.

Percutaneous Purse-String Suture: An Innovative Percutaneous Technique for Inframammary Fold Creation and Improved Breast Projection in Reconstructive Surgery. Hamdi M, Anzarut A, Hendrickx B, Ortiz S, Zeltzer A, **Kappos EA**. Aesthet Surg J. 2018 Nov 12;38(12):1298-1303. doi: 10.1093/asj/sjx190.

The significance of oncoplastic surgery in breast cancer treatment **Kappos EA**, Weber WP, Soysal SD, Schwab F, Kurzeder C, Haug MD. Praxis (Bern 1994). 2017;106(25):1378-1382. doi: 10.1024/1661-8157/a002852. German. No abstract available.

The Importance of an Academic Approach to Patient-Oriented Aesthetic Outcome Research: Reply to Comment on "Validating Facial Aesthetic Surgery Results with the FACE-Q". **Kappos EA**, Tremp M, Schaefer DJ, Schaefer KM, Haug MD, Kalbermatten DF, Toth BA. Plast Reconstr Surg. 2018 Jan;141(1):185e-186e. doi: 10.1097/PRS.0000000000003992. No abstract available.

Validity and reliability of the CatWalk system as a static and dynamic gait analysis tool for the

assessment of functional nerve recovery in small animal models.

Kappos EA, Sieber PK, Engels PE, Mariolo AV, D'Arpa S, Schaefer DJ, Kalbermatten DF. *Brain Behav.* 2017 May 18;7(7):e00723. doi: 10.1002/brb3.723. eCollection 2017 Jul.

Current standards in oncoplastic breast conserving surgery.

Weber WP, Soysal SD, Zeindler J, **Kappos EA**, Babst D, Schwab F, Kurzeder C, Haug M. *Breast.* 2017 Aug;34 Suppl 1:S78-S81. doi: 10.1016/j.breast.2017.06.033. Epub 2017 Jul 6.

First international consensus conference on standardization of oncoplastic breast conserving surgery.

Weber WP, Soysal SD, El-Tamer M, Sacchini V, Knauer M, Tausch C, Hauser N, Günthert A, Harder Y, **Kappos EA**, Schwab F, Fitzal F, Dubsky P, Bjelic-Radisic V, Reitsamer R, Koller R, Heil J, Hahn M, Blohmer JU, Hoffmann J, Solbach C, Heitmann C, Gerber B, Haug M, Kurzeder C. *Breast Cancer Res Treat.* 2017 Aug;165(1):139-149. doi: 10.1007/s10549-017-4314-5. Epub 2017 Jun 3.

Preoperative Computed Tomographic Angiogram Measurement of Abdominal Muscles Is a Valuable Risk Assessment for Bulge Formation after Microsurgical Abdominal Free Flap Breast Reconstruction.

Kappos EA, Jaskolka J, Butler K, O'Neill AC, Hofer SOP, Zhong T. *Plast Reconstr Surg.* 2017 Jul;140(1):170-177. doi: 10.1097/PRS.0000000000003427.

Extending the limits of the anterior tibial artery as the recipient vessel for around the knee and proximal lower extremity defect reconstruction using the free anterolateral thigh and gracilis flap.

Tremp M, **Kappos EA (shared first authors)**, Oranges CM, di Summa PG, Schaefer DJ, Zhang YX, Wettstein R, Kalbermatten DF. *Microsurgery.* 2018 Jan;38(1):60-65. doi: 10.1002/micr.30163. Epub 2017 Feb 24.

Modified S-Flap for Nipple Reconstruction.

Feng S, Zhang B, **Kappos EA**, Tremp M, Yang C. *Aesthetic Plast Surg.* 2017 Apr;41(2):312-317. doi: 10.1007/s00266-017-0789-z. Epub 2017 Feb 23.

Standardization of oncoplastic breast conserving surgery.

Weber WP, Soysal SD, Fulco I, Barandun M, Babst D, Kalbermatten D, Schaefer DJ, Oertli D, **Kappos EA**, Haug M. *Eur J Surg Oncol.* 2017 Jul;43(7):1236-1243. doi: 10.1016/j.ejso.2017.01.006. Epub 2017 Jan 31. Review.

Onkoplastische Chirurgie: Sicherheit und Aesthetik in einem? Thürlimann A, Weber W, Soysal S, **Kappos EA**, Schaefer DJ, Haug M. *Swiss Medical Forum*, 2017;17(1-2)

Validating Facial Aesthetic Surgery Results with the FACE-Q.

Kappos EA, Temp M, Schaefer DJ, Haug M, Kalbermatten DF, Toth BA. *Plast Reconstr Surg.* 2017 Apr;139(4):839-845. doi: 10.1097/PRS.0000000000003164.

Advanced therapeutic medicinal product for promoting nerve regeneration. Sieber P, **Kappos EA**, Ananta S, Madduri S. *Frontiers in Bioengineering and Biotechnology.* Sept 2015

Pedicled Instep Flap and Tibial Nerve Reconstruction in a Cynomolgus Monkey.

Weiss R, Wettstein R, **Kappos EA**, Jacobsen B, Kalbermatten D, Bergadano A. *Case Rep Vet Med.* 2016 Oct 16;2016:4386249. doi: 10.1155/2016/4386249. eCollection 2016.

Lipedema: diagnostic and management challenges.

Warren Peled A, **Kappos EA**. *Int J Womens Health.* 2016 Aug 11;8:389-95. doi: 10.2147/IJWH.S106227. eCollection 2016. Review.

Ti-Sheng Chang, M.D., 1916 to 2015.

Toth BA, **Kappos EA**. *Plast Reconstr Surg.* 2016 Apr;137(4):1358-60. No abstract available.

Implantation of a denaturated cellulose adhesion barrier after plate osteosynthesis of finger proximal phalangeal fractures: results of a randomized controlled trial.

Kappos EA, Esenwein P, Meoli M, Meier R, Grünert J. *J Hand Surg Eur Vol.* 2016 May;41(4):413-20. doi: 10.1177/1753193415594100. Epub 2015 Jul 30.

Movement smoothness differentiates voluntary from Parkinsonian bradykinesia. Bayle N, **Kappos EA**,

Gracies J-M et al., J.Adict Res Ther 2016, 7:1

Peripheral Nerve Repair: Multimodal Comparison of the Long-Term Regenerative Potential of Adipose Tissue-Derived Cells in a Biodegradable Conduit.

Kappos EA, Engels PE, Tremp M, Meyer zu Schwabedissen M, di Summa P, Fischmann A, von Felten S, Scherberich A, Schaefer DJ, Kalbermatten DF.

Stem Cells Dev. 2015 Sep 15;24(18):2127-41. doi: 10.1089/scd.2014.0424. Epub 2015 Jul 2.

Towards Advanced Bioengineering Approach for Effective Nerve Regeneration. Madduri S, Sieber P, Hasstert-Talini K, **Kappos EA**, Engels P, Hemmi S, Kalbermatten D, Gander B. Conference Paper in Tissue Engineering Part A, Sept 2015

Abstract 37: peripheral nerve repair: multimodal comparison of the regenerative potential of adipose tissue derived cells in a biodegradable conduit.

Engels PE, **Kappos EA**, Zu Schwabedissen MM, Tremp M, Fischmann A, Schaefer DJ, Kalbermatten DF.

Plast Reconstr Surg. 2014 Mar;133(3 Suppl):48. doi: 10.1097/01.prs.0000445070.32849.2f. No abstract available.

Bovine dermal matrix as coverage of facial nerve grafts.

Kappos EA, Engels PE, Wettstein R, Schaefer DJ, Kalbermatten DF.

Case Rep Med. 2014;2014:512921. doi: 10.1155/2014/512921. Epub 2014 Jan 16.

The regeneration potential after human and autologous stem cell transplantation in a rat sciatic nerve injury model can be monitored by MRI.

Tremp M, Meyer Zu Schwabedissen M, **Kappos EA**, Engels PE, Fischmann A, Scherberich A, Schaefer DJ, Kalbermatten DF.

Cell Transplant. 2015;24(2):203-11. doi: 10.3727/096368913X676934. Epub 2013 Dec 30.

Can we save the arm? A 38-year-old man with morbus oller (enchondromatosis) and secondary chondrosarcoma.

Kappos EA, Grünert JG.

Plast Reconstr Surg. 2012 May;129(5):887e-8e. doi: 10.1097/PRS.0b013e31824aa02d.

TGF-beta-treated microglia induce oligodendrocyte precursor cell chemotaxis through the HGF-c-Met pathway.

Lalive PH, Paglinawan R, Biollaz G, **Kappos EA**, Leone DP, Malipiero U, Relvas JB, Moransard M, Suter T, Fontana A. Eur J Immunol. 2005 Mar;35(3):727-37.

Posters/Conference presentations:

Kappos EA, Gracies J-M, Weisz DJ et al: Quantitative Analysis of Movement Smoothness in Parkinson Disease: 10th International Congress of Parkinson's Disease and Movement Disorders, Kyoto, JP 2006

Kappos EA, Esenwein Ph, Gruenert JG: Can an adhesion barrier out of denaturated cellulose improve ROM after P1 fractures? A controlled clinical study. Congress of Swiss Association of Handsurgery (SGH) 2011, Biel, CH

Tremp M, **Kappos EA**, Schaefer DJ, Kalbermatten D et al: Adipose derived stem cells in peripheral nerve regeneration. EURAPS(European research council) 2012, Munich, D

Kappos EA, Gruenert JG: Can we save the arm? 38yo male with Morbus Ollier(enchondromatosis) and secondary chondrosarcoma. ISAPS(International Society of Aesthetic and Plastic Surgery) 2012, Geneva,

Tremp M, **Kappos EA**, Schaefer DJ, Kalbermatten D et al: Adiposed derived stem cells in peripheral nerve regeneration. ISAPS 2012, Geneva, CH

Kappos EA, Gruenert JG: Can we save the arm? 38yo male with Morbus Ollier and secondary chondrosarcoma. SGH 2012, Thun, CH

Kappos EA, Gruenert JG: Amputation oder Rekonstruktion? DGPRAC 2012, Bremen, D

Engels P, **Kappos EA**, Kalbermattend D: Harvest Site Influences the Growth Properties of Adipose

Derived Stem Cells. EURAPS 2013, Antalya, T

Tremp M, **Kappos EA**, Kalbermatten D: Adipose derived stem cells in peripheral nerve regeneration. EURAPS 2013, Antalya TR

Kappos EA, Engels P, Kalbermatten D: Peripheral nerve repair: multimodal comparison of regenerative potential of adipose tissue derived cells in a biodegradable conduit. IFATS 2013, NYC, USA

Kappos EA, Engels P, Kalbermatten D: Peripheral nerve repair: multimodal comparison of regenerative potential of adipose tissue derived cells in a biodegradable conduit. DAM 2013, Hildesheim, D

Kappos EA, Esenwein Ph, Gruenert JG: Can an adhesion barrier out of denaturated cellulose improve R₀ after P1 fractures? SGH 2013, Bienne, CH

Kappos EA, Engels P, Kalbermatten D: Peripheral nerve repair: multimodal comparison of regenerative potential of adipose tissue derived cells in a biodegradable conduit. SGH 2013 Bienne, CH

Kappos EA, Engels P, Kalbermatten D: Peripheral nerve repair: multimodal comparison of regenerative potential of adipose tissue derived cells in a biodegradable conduit. SGPRAEC 2013 Lugano, CH

Kappos EA, Engels P, Schaefer DJ, Kalbermatten D: Effect of denervation on breast cancer growth. SGPRAEC 2013 Lugano, CH

Kappos EA, Engels P, Kalbermatten D: Peripheral nerve repair: multimodal comparison of regenerative potential of adipose tissue derived cells in a biodegradable conduit. ISPNR, Turino Jan 2014

Kappos EA, Engels P, Kalbermatten D: Peripheral nerve repair: multimodal comparison of regenerative potential of adipose tissue derived cells in a biodegradable conduit. EURAPS Research Council, Ischia, N 2014

Kappos EA, Engels P, Schaefer DJ, Kalbermatten D: Effect of denervation on breast cancer growth. EURAPS, Ischia, May 2014

Kappos EA, Engels P, Kalbermatten D: Peripheral nerve repair: multimodal comparison of regenerative potential of adipose tissue derived cells in a biodegradable conduit. TERMIS Europe, Genua, Juni 2014

Kappos EA et al: Denervation leads to volume regression in breast cancer. EURAPS Brussels 2015

Kappos EA, Toth BA et al: Validating Facial Aesthetic Surgery Results with the FACE-Q. SGPRAEC 2016, Lausanne

Hamdi M, **Kappos EA** et al: Percutaneous Purse-String Suture: An Innovative Percutaneous Technique for Inframammary Fold Creation and Improved Breast Projection in Reconstructive Surgery. EURAPS, Brussels 2016

Mijuskovic B, **Kappos EA** et al, CTA vs CDUS in perforator mapping for microsurgical breast reconstruction. SGPRAEC, St Moritz, 2017

Kappos EA, Toth BA et al: Validating Facial Aesthetic Surgery Results with the FACE-Q. EURAPS, Pisa 2017

Kappos EA, Nipple Sparing Mastectomy: the View of the Reconstructive Surgeon, Swiss Society of Senology Annual Meeting, Sursee 2017 (invited panel)

Kappos EA, Oncoplastic Breast Surgery, German and Austrian Society of Reconstructive, Plastic Surgeon Annual Meeting, Graz, September 2017(invited talk)

Kappos EA, Breast Reconstruction and Radiotherapy: is that even possible?, German Society of Senology Annual Meeting, June 2018, Stuttgart DE(invited talk)

Kappos EA, Quaba Awf et al: What happened after the PIP scandal. EURAPS, Madrid 2018.

Kappos EA et al: CTA vs CDUS in perforator mapping for microsurgical breast reconstruction.

EURAPS Research Council, Helsinki, FL 2019

Kappos EA et al: From Bedside to Bench: the effect of muscular denervation on fat grafting to the breast by comparing take rate, quality and longevity. EURAPS Research Council, Helsinki, FL 2019

Thesis/Treatise:

Aug 2004-Sept 2005: **Doctoral thesis** at the Department of Clinical Immunology, University Hospital Zurich (Professor A Fontana): “*Experimental autoimmune encephalomyelitis: impairment of TGF- β signaling in macrophages and neutrophils leads to an aggressive course of disease and accumulation of oligodendrocyteprecursor cells in demyelinating lesions.*”

June 2019: Treatise for assistant professorship (Habilitation/**Privatdozentin**), „*Developing and assessing innovative approaches in reconstructive breast surgery : from bench to bedside and back*” Medical Faculty, University of Basel, CH

Scholarships and Research grants:

Dec 2005-Aug 2006: International Scholarship of the Medical Faculty of the University of Zurich: Internships at Duke Medical Center and Mount Sinai Medical Center NYC, USA

Nov 2012: 60'000 CHF Research Support by the “Forschungsförderungsfonds” of the University of Base

Jan 2013-April 2014: 50'000 CHF Research support by the “Freie Akademische Gesellschaft Basel”, CH

2017-2020: Basel Breast Center Database: Personalised Breast Reconstruction: 30'000 CHF Research Support by the “Freie Akademische Gesellschaft” Basel, CH.

October 2018: Breast Reconstruction Awareness Day Basel, CH: Lead Organiser. 19'000 CHF

October 2019: Breast Reconstruction Awareness Day Basel, CH: Lead Organiser: 21'700 CHF

Awards:

1st price for best paper presentation (shared first authorship with Engels PE), **European Plastic Surgery Research Council**, Hamburg, D, Aug 2013

1st price for best publication 2013, as 2nd Author (First author Tremp M): MRI is a valuable tool to monitor early peripheral nerve regeneration, **Swiss Society of Plastic, Reconstructive and Aesthetic Surgery**, Lugano, CH, Nov 2013

1st price for best scientific presentation, **Swiss Society of Plastic, Reconstructive and Aesthetic Surgery** annual meeting, Lugano, CH, Nov 2013

1st price for best paper at European Plastic Surgery Research Council, Ischia, I, May 2014

1st price for best publication 2015, Swiss Society of Plastic, Reconstructive and Aesthetic Surgery, Sept 2015, Thun, CH

Euraps Young Plastic Surgeon Scholarship Award 2016, Annual Meeting European Society of Plastic Reconstructive Surgery, May 2016, Brussels, BE

1st price for best publication 2016, Swiss Society of Plastic, Reconstructive and Aesthetic Surgery, Sept 2016, Lausanne, CH

Felix Harder Award for best clinical scientific presentation at the Basel Breast Consortium annual meeting, Nov 2016, (Prof M. Bentires-Alij and Prof. W.Weber)

Teacher of the Year 2016, Department of Plastic, Reconstructive, Aesthetic and Handsurgery, University Hospital Basel, awarded by all residents, December 2016

Teacher of the Year 2017, Department of Plastic, Reconstructive, Aesthetic and Handsurgery, University

Hospital Basel, awarded by all residents, December 2017

Hans Anderl Award 2019, European Association of Plastic, Reconstructive and Aesthetic Surgery, Annual Meeting, Helsinki, FL

Memberships:

Swiss Association of Doctors (FMH)

Swiss Association of Plastic, Reconstructive and Aesthetic Surgery (SGPRAEC, Full Member)

Swiss Association of Handsurgery (Junior Member)

American Society of Plastic Surgeons (ASPS, Junior Member)

American Society of Reconstructive Microsurgery (ASRM, Full Member)

Breast Center, University Hospital Basel

Basel Breast Consortium (Full Member)

Oncoplastic Breast Consortium (Full Member)

Swiss Society of Senology (Full Member)

Swiss Society for Women in Senology (Full Member)

Reviewer:

Plos ONE, Journal of Plastic, Reconstructive, Aesthetic Surgery, Minerva Chirurgica, International Journal of Surgery, Journal of Clinical and Cellular Immunology, Journal of Clinical and Experimental Dermatology, Case Studies in Plastic Surgery and Handsurgery

Academic Teaching activities:

2014-2015: Medical Student Teaching University of Toronto, Ontario, Canada

2015-2016: Medical Student Teaching University of Edinburgh, Scotland, UK

2011-2019: Student lectures, courses and exams at the University of Basel Medical School, CH

Basel, August 2019