

CLINICAL PRACTITIONER | CHIEF SCIENTIFIC OFFICER

REGENERATIVE MEDICINE – ORTHOBIOLOGY SPECIALTY | BIOTHERAPY FIELD OF MEDICINE DEVELOPMENT



Passionate, drive, accomplished, and internationally recognized Chief Scientific Officer with expertise and experience in the medical practice industry with a keen focus on clinical applications, biological formulations, dosing strategies, and real-world data programming.

Utilize proven and demonstrated knowledge of biological therapies for use in Orthobiology-MSK, Spine, Chronic Wound Care, Cardiac Surgery, Facial Aesthetics, and Reconstructive Surgery.

Clinical Practitioner with in-depth research experience, with a PhD from the University of Utrecht. Educator and teacher collaborating with teams on an international basis to maintain consistent communications.

Strategic thinker and influencer championing a culture of operational excellence through team motivation, inspiration, trust, and honesty.

Fluent English and Dutch languages, good conversation and reading in German, and basic conversation French.

- *Utilized a keen focus on the clinical and experimental use of autologous biological products, like the application of Platelet-Rich Plasma, Mesenchymal Stem Cells derived from Adipose and Bone Marrow, and Fibrin Scaffolding.*
- *Collaborated with renowned universities and specialized clinics worldwide, including Emory University, Stanford University, University of Milan, The University of Pittsburgh, The University of Queensland, and The Dartmouth Geisel School of Medicine, Minnesota State University, Andrews Institute for Orthopedics and Sports Medicine, Bluetail Medical Group; Kaiser Permanente; Advent Health.*
- *Served as a recognized expert in orthobiological, non-surgical treatment options, utilizing patient cells for tissue repair, regeneration, and wound healing.*
- *Currently in discussions to develop clinical research protocols in collaboration with Professor Damien Kuffler, at the Institute of Neurobiology, University of Puerto Rico, to utilize well-defined PRP protocols for treating neuropathic pains.*
- *Professor and Faculty Member Max Planck University UniMAX, School of Medicine, Indaiatuba, Sao Paulo, Brasil.*
- *Honorary*

CORE STRENGTHS & COMPETENCIES

*Strategic Vision & Data Analysis
Training / Development
Scientific Research Skills
Orthobiology
Non-Surgical Interventional Therapies
Wound Healing Therapies
International Lecturer*

*Collaborative Team Building
Clinical Bio-Surgical Applications
Hyperbaric Medicine Applications
Process Development
Educational Course Design
Communication
Real World Data & Evidence*

*Clinical Practitioner
Analytical Strategist
Bio-Cellular Therapy Programs
Stakeholder Engagement
Results-Driven Leader
Evidence-Based Clinical Programs
Organizational Skills*

PROFESSIONAL EXPERIENCE

EUROPEAN NETWORK ORGANIZATION FOR REGENERATIVE MEDICINE, ENORM

Lead Scientific Domain Expert | 2024 - Present

- *Scientific Leader for the European Network Organization Specialists and International Membership.*
- *Serve as Key Opinion Leader, instructor, educator for ENORM aimed at advancing regenerative medicine in Europe.*
- *Manage International Webinars and Courses for a wide range of physicians.*
- *Provide non-biased information to potential patients.*

INTERNATIONAL REGENERATIVE MEDICINE EXPERTS SOCIETY, IARMES

Founding Member / Board of Directors | 2023 - Present

- *To provide scientific support to the BOD establishing and International Network of regenerative medicine experts from multiple medical domains.*
- *Develop standards of care for medical practices of regenerative medicine to increase significant progress in patient care and patient outcomes*

CENTRO UNIVERSITARIO MAX PLANCK

Professor – Frontiers Health Program of the Faculty of Medicine –

Regenerative Medicine & Orthobiology for the Orthoregen Group | 2023 - Present

- *Serve as key lecturer, instructor, and educational support for a diverse student base regarding research initiatives and data analysis.*
- *Oversee comprehensive management of high-profile clinical projects in interventional regenerative and orthobiological therapies.*

VETERANS IN PAIN ORGANIZATION, VIP

Treatment Facilitator | 2023 - Present

- *Manage comprehensive support for regenerative medicine, orthobiological, and treatment procedures for veterans at a national level with indication for non-surgical treatments.*
- *Act as a liaison between medical practitioners, medial organizations, and VIP to optimize orthobiological and regenerative therapies for veterans who do not qualify for interventional medical procedures to increase their quality of life*

Prof. Dr. Peter A.M. Everts, Ph.D., FRSM.

GULF COAST BIOLOGICS

Chief Scientific Officer | 2018 - Present

- *Direct comprehensive international scientific clinical research program*
- *Develop peer-to-peer training basic and advanced training programs in orthobiological and regenerative medicine applications*
- *Drive educational and training programs, including development of clinical protocols with K.O.L's, colleagues, and medical professionals.*
- *Develop and implement healthcare treatment pathways regarding regenerative medicine therapies in both domestic and international applications.*
- *Collaborate with a talented and diverse team to support and contribute product development to streamline core operations*

EMCYTE CORPORATION

Chief Scientific Officer | 2016 - 2024

- *Direct comprehensive international scientific basic and clinical research programs and peer-to-peer training.*
- *Collaborate with a talented and diverse team to support and contribute product development to streamline core operations.*
- *Built clinical research programs to evaluate regenerative medicine devices to proof clinical efficacy and safety*

SHY WOLF SANCTUARY

Vice President / Board of Directors | 2018 - 2019

- *Successfully educated the public on the importance of protecting wild and captive bred wolves and other exotic animals.*
- *Served as non-executive volunteer board member with keen focus on fundraising, marketing, and new location project management.*
- *Built strategic plans to increase the wellness of animals at the Sanctuary*

ZUZZ HOME CARE NURSING

General Director / Chairman of the Board | 2015 - 2016

- *Built and sustained implementation of a nursing organization within the Da Vinci Clinic as a part of the integrated wound healing concept of care.*
- *Developed and implemented specialized home advanced wound care programs, including quality management, education, and leadership.*
- *Authored commercial and medical treatment plans for contracted care in collaboration with Dutch Insurance companies for the comprehensive Dutch health care market.*

DA VINCI CLINIC

General Director / Chairman of the Board | 2011 - 2017

- *Directed implementation and strategic development of clinical activities, including research projects and staff oversight.*
- *Authored and edited business plans to assess progress toward strategic goals and objectives.*

Prof. Dr. Peter A.M. Everts, Ph.D., FRSM.

- *Managed innovative patient care for regenerative medicine, wound care, and hyperbaric medicine.*
- *Successfully integrated clinical services and reimbursement within the Dutch health care insurance market.*
- *Designed clinical business practices and patient structure to better support hyperbaric oxygen therapy procedures, cellular therapy applications, and advanced wound care treatments.*
- *Collaborated directly with a pioneering group of Dutch physicians and scientists to drive consensus on new wound care strategies.*

Interim Director | 2009 - 2011

- *Directed the comprehensive launch of clinic services, including formation of organizational structure, financing, and negotiation of reimbursement strategies within multiple insurance companies.*
- *Managed all operational leadership for the clinic facility, including staff development to drive safety compliance and proper licensing.*

Concept Developer | 2008 - 2016

- *Directed innovative new clinic concepts for regenerative medicine to create a successful chain health care model for chronic wound patients and hyperbaric oxygen therapy.*
- *Implementation of autologous regenerative medicine in traditional wound care treatment strategies*
- *Develop treatment protocols combining patient's own reparative cells with hyperbaric medicine applications to heal their long duration recalcitrant wounds from different origin*
- *Develop strategies for multi-disciplinary, specialized, team approach to benefit patient treatments*

AVANCE MEDICAL

Co-Founder / Chief Scientific & Technology Officer | 2011 - 2014

- *Directed regenerative medicine and cell therapies for market delivery within Europe, the Middle East, and Africa.*
- *Managed a diverse technology portfolio, including platelet rich plasma, autologous thrombin and fibrin, and mesenchymal stem cell isolation and processes systems for bone marrow and adipose tissue.*
- *Successfully distributed innovative technologies into multiple markets across Europe, the Middle East, and Africa.*
- *Educated health care providers and insurance companies on the application of new therapies, including wound care sport orthopedics and chronic pain management, and reconstructive plastics and aesthetics.*
- *Co-patent holder Extemporaneous preparation of autologous fibrin. (EP3003418B1; 2018-03-28)*

PEJO

Owner / Director | 2010 - 2017

- *Built and sustained a profitable consultancy with regenerative medicine corporation to build evidence-based, scientific marketing materials for medical growth factors and stem cell devices.*
- *Provided advice on accurate study monitoring, protocol writing services, and recommendations to position client products for market readiness.*

Prof. Dr. Peter A.M. Everts, Ph.D., FRSM.

- Served as co-organizer for a highly attended medical and scientific meetings in the United States entitled “Perfusion and Blood Management / PRP-Cell Therapy Symposium”.

2M ENGINEERING

Product Developer | 2008 - 2012

- Planned and developed a state-of-the-art centrifuge to provide medical professionals and physicians with new treatment options as an offer to patients with an additional possibility for cell therapy.
- Co-Owner of a patent for the Angelina Project, an advanced PRP blood centrifuge with separation, sensor, and dispense control system.

CATHARINA HOSPITAL

Founding Member – Department of Peri-Operative Management

Chairman – Blood Management Department | 2001 - 2009

- Orchestrated strategic vision and execution for a \$MM+ departmental budget, staff oversight, and safety operations.
- Enhanced comprehensive operational leadership and new business initiatives to support the development of new technologies.
- Drove cohesive efforts to enrich scientific research through financial support and collaboration across healthcare fields.
- Built, implemented, and established a Blood Management Department as the first center in Europe institutionalized within a hospital.
- Acted as Scientific Journal Reviewer for international publications, including the American Journal of Extracorporeal Technology, Journal of Thrombosis and Haemostasis, and the Journal of Biomedical Materials Research.

Chairman – Partnership ECC/EPA | 1999 - 2009

- Authored and edited complex annual business plans, ensuring unified strategies for growth and development of a comprehensive partnership with the hospital.
- Directed all operational leadership of a 15-person staff, including annual performance reviews and development planning.
- Managed comprehensive education for medical students, including inclusion in inter-hospital meetings and hospital administration planning.
- Initiated and integrated an international training program on extracorporeal circulation in Cairo, Egypt.

ADDITIONAL EXPERIENCE

CATHARINA HOSPITAL | Deputy Chief – Perfusionist Department / Senior Clinical Perfusionist

UNIVERSITY HOSPITAL | Perfusionist

LAURENTIUS HOSPITAL | Surgical Assistant

Prof. Dr. Peter A.M. Everts, Ph.D., FRSM.

INTERVENTIONAL ORTHOBIOLOGICS FOUNDATION | Associate Member
ROYAL SOCIETY OF MEDICINE | International Fellow
UNIVERSITY OF UTRECHT | Doctor of Philosophy in Medicine
EUROPEAN BOARD OF CARDIOVASCULAR PERFUSION | Certified Clinical Perfusionist
DUTCH SOCIETY FOR EXTRAORPOREAL CIRCULATION | Perfusionist & Certified Clinical Perfusionist
DUTCH NATIONAL HOSPITAL BOARD | Operating Room / Surgical Assistant

CERTIFICATIONS / PROFESSIONAL DEVELOPMENT | Hyperbaric Safety Director – Nix Medical Center and International ATMO | Medical Aspects of Diving – Royal Dutch Navy & Defense Dive School | Advanced Wound Care – Nix Medical Center and International ATMO | Hyperbaric Medical Team – Nix Medical Center & International ATMO | Ultrasound Diagnostics & Needle Guidance – Catharina Hospital | Regenerative Medicine with PRP & Ultrasound Guidance – Crane Clinic | Clinical Epidemiology & Evidence Based Medicine – Julius Center for Health Sciences & Primary Care, Utrecht Medical Center

SPEAKING / JOURNAL REVIEW / PRESENTATION EXPERIENCE

INVITED FACULTY AT THE HARVARD MEDICAL SCHOOL |
Annual Evaluation & Treating Pain with PRP & Stem Cells
SAN DIEGO ACADEMY OF REGENERATIVE MEDICINE |
Keynote Lecture – Annual Scientific Meeting
BRITISH REGENERATIVE MEDICINE SOCIETY |
Keynote Lecture – Inaugural Scientific Meeting
SPANISH ACADEMY FOR REGENERATIVE MEDICINE |
Keynote Lecture – Inaugural Scientific Meeting
AMERICAN ACADEMY OF COSMETIC SURGERY |
Keynote Lecture – Annual Scientific Meeting
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCE |
Guest Editor
ACADMIC BOOK EDITOR INTECH-OPEN |
Wound Healing – New Frontiers and Strategies
FIRST BOOK ON PLATELET- RICH LEUKOCTE GEL IN ORTHOPEDUC SURGERY |
First Book Published on the Subject
INTERNATIONAL OLYMPIC COMMITTEE STEERING GROUP SPORTS MEDICINE |
Steering Group for evaluating and presenting guidelines for Platelet-Rich Plasma Treatments.

SCIENTIFIC METRICS (OCTOBER 2024) | h-factor: 30; i-10 index: 46; citations: 5,582.

ON-GOING SCIENTIFIC & RESEARCH ACTIVITIES

PRINCIPAL INVESTIGATOR REAL WORLD DATA PROGRAM & EVIDENCE ANALYSIS | Knee Pathologies - Orthobiological Therapies – Dosing & Bioformulations – Pain Modulation – Functional Outcomes Analysis – National Research Group

PRINCIPAL INVESTIGATOR PROTEIN-RICH PRP SHOULDER PATHOLOGIES | Tendinopathies – PRP & BMC & Protein-Rich Scaffolding – Clinical Program Adaption

CO-INVESTIGATOR HIP OA RCT | Cleveland Clinics – P.I. Dr. Oliviera - BMAC – MSCS – FDA – IND

CO-INVESTIGATOR TRAUMATIC SPINAL CORD TRAUMA STUDY | Brazilian Institute Regenerative Medicine – P. I. Dr. Lana – Orthobiological Preparations – Observational – Safety

SCIENTIFIC LEADER NOVEL KNEE OA TREATMENT PROTOCOL | University Queensland, Australia – Clinical Leader Prof. A. van Zundert - PRP – Neuropathy - Intra Osseous – Pain Management – PhD Student Program

Everts PAM, Tijl F. Two Modern Hollow Fiber Membrane Oxygenators, A clinical evaluation. Dutch J Extra Corpor Circul. 1989; 11: 14-17.

Everts PAM, Franssen Th, Schipper R, et al.: Venovenous Long Term Extra Corppreal CO2 Removal with Biopump and Hollow Fiber Membrane Oxygenator For the Failing Lung. J Extra Corporeal Technol 1989: 21:3-8.

Brown S, Everts PA, van Rijk GL et al: Long term respiratory support with a polypropelene capillary membrane lung in anesthetized pigs. Intern J Art Organs 11: 313,1987. Abstract.

Everts, P.A.M., Schonberger, J.P.A.M., Steenbrink, J., Bredee, J.J. Partial left heart bypass with centrifugal pump and limited anticoagulation during the resection of coarctation of the aorta. Perfusion 1991; 6 (4), 285-289. <https://doi.org/10.1177/026765919100600408>

Schonberger JP, Everts PA, Bredee JJ, Jansen E, Goedkoop R, Bavinck JH, Berreklouw E, Wildevuur CR. The effect of postoperative normovolaemic anaemia and autotransfusion on blood saving after internal mammary artery bypass surgery. Perfusion. 1992;7(4):257-62.

Schonberger JP, Everts PA, Ercan H, Bredee JJ, Bavinck JH, Berreklouw E, Wildevuur CR. Low-dose aprotinin in internal mammary artery bypass operations contributes to important blood saving. Ann Thorac Surg. 1992; 54(6): 1172-6.

Schonberger JP, van Zundert A, Bredee JJ, Gardien M, Everts PA, Bavinck JH, Berreklouw E, Wildevuur CR. Blood loss and use of blood in internal mammary artery and saphenous vein bypass grafting with and without adding a single, low-dose of aprotinin (2 million units) to the pump prime. Acta Anaesthesiol Belg. 1992;43(3):187-96.

Guyton RA, Schonberger JP, Everts PA, et al. Postcardiotomy shock: clinical evaluation of the BVS 5000 Biventricular Support System. Ann Thorac Surg. 1993 Aug;56(2):346-56.

Schonberger JP, Bredee J, Speekenbrink RG, Everts PA, Wildevuur CR. Autotransfusion of shed blood contributes additionally to blood saving in patients receiving aprotinin (2 million KIU). Eur J Cardiothorac Surg. 1993;7(9):474-7.

Schonberger JP, van Oeveren W, Bredee JJ, Everts PA, de Haan J, Wildevuur CR. Systemic blood activation during and after autotransfusion. Ann Thorac Surg. 1994;57(5):1256-62.

Everts PA, Berreklouw E, Box HA, Hessels MM, Schonberger JP. Continuous retrograde hypothermic low flow cerebral perfusion during aortic arch surgery. Perfusion. 1994 Mar;9(2):95-9.

Schonberger JP, Everts PA, Hoffmann JJ. Systemic blood activation with open and closed venous reservoirs. Ann Thorac Surg. 1995 Jun;59(6):1549-55.

Schonberger JP, Bredee JJ, Tjian D, Everts PA, Wildevuur CR. Intraoperative predonation contributes to blood saving. Ann Thorac Surg. 1993 Comment in: Ann Thorac Surg. 1995 Jan;59(1):264-6. Oct;56(4):893-8.

Prof. Dr. Peter A.M. Everts, Ph.D., FRSM.

Everts PAM, Schonberger JPAM, Peels CH. The Abiomed BVS 5000 for the treatment of postcardiotomy cardiogenic shock. In: Unger F (ed) Assisted Circulation 4. 1995: 87-101.

Schonberger JP, Woolley S, Tavilla G, Berreklouw E, Bredee JJ, Mashhour YA, Van Straten BH, Bavinck JH, Frietman PA, Everts PA, Wildevuur ChR. Efficacy and safety of a blood conservation program including low-dose aprotinin in routine myocardial revascularization. J Cardiovasc Surg (Torino). 1996 Feb; 37(1): 35-44.

Everts PAM, Box HAM, Hendrickx RJH, et al. Plasma sequestration before cardiopulmonary bypass and cell saving contributes to improved outcome in high-risk cardiac surgical patients (Abstract) Netherlands Heart Journal 2001;9(3):149-150. Abstract.

Everts PAM, H.A.M. Box, C.B. Mahoney, R.J.H. Hendrickx, J.P.A.M. Schonberger. Plasma sequestration before cardiopulmonary bypass and cell saving contribute to improved outcome in high-risk cardiac surgical patients. Ann Thorac Surg 2002;73: S374.

Everts PAM, Devilee RJJ, Brown-Mahoney Ch et al. Platelet gel and fibrin sealant reduce allogenic blood transfusions and in total knee arthroplasty. Acta Anaesth Scand. 2006; 50: 593-599.

Everts PAM, Knape JTA, Weibrich G, Schönberger JPAM, Hoffmann, JJHL, Overdevest EP, Box HAM, van Zundert A. Platelet rich plasma and platelet gel. A Review. Platelet rich plasma and platelet gel, a review. J Extra Corp Techn. 2006; 38:174-187.

Everts PAM, Brown-Mahoney Ch, Hoffmann JJHL, Schönberger JPAM, Box, HAM, van Zundert A, Knape JTA. Platelet-rich plasma preparation using three devices. Implications on platelet activation and platelet growth factor release. Growth Factors 2006: 24:165-171.

Everts PAM, Hoffmann JJHL, Weibrich G. Brown Mahoney Chr, Schönberger JPAM, van Zundert A, Knape JTA Differences in platelet growth factor release and leukocyte kinetics during autologous platelet gel formation. Transfusion Medicine 2006; 16: 363-368.

Mooijen DJF, Everts PAM, Schure R-M Schure, Overdevest EP, van Zundert A, Knape JTA, Castelein RM, Creemers LB, Dhert WJA. Anti-microbial activity of platelet gel against Staphylococcus Aureus. J Orthop Res. 2008; 26(3): 404-410.

Everts PAM, Overdevest EP, van Beek M, Jakimowicz JJ, Oosterbos CJM, Schönberger J PAM, Knape JTA, van Zundert A. The use of autologous platelet-leukocyte gels in enhancing the healing process in surgery, a review. Surgical Endoscopy 2007 Nov; 21(11): 2063-8.

Everts PAM, Devilee RJJ, Oosterbos CJM, Brown-Mahoney Ch, Eeftinck Schattenkerk M, Knape JTA, van Zundert A. Autologous platelet gel and fibrin sealant contribute to an earlier range of motion and less arthrofibrosis after total knee arthroplasty. Knee Surgery, Traumatology Arthroscopy 2007; Jul;15(7):888-94.

Everts PAM, van Zundert A, Knape JTA. What do we use: Platelet-rich gel, or platelet-leukocyte gel? Letter to the Editor. Journal of Biomedical Materials research Part A. 2008 Jun 15; 85(4): 1135-6.

Prof. Dr. Peter A.M. Everts, Ph.D., FRSM.

Everts PAM, Jakimowicz JJ, van Beek M, Schönberger JPAM, Devilee RJJ, Overdevest EP, Knape JTA, van Zundert A. Reviewing the structural features of autologous platelet-leukocyte gel and suggestions for use in surgery. *European Surgical Research* 2007; 39:199-207.

Everts PAM, Devilee RJJ, Brown Mahoney Chr, Box HAM Overdevest EP, Stellenboom M, Knape JTA, van Zundert A. Exogenous application of platelet-leukocyte gel during open subacromial decompression contributes to improved patient outcome. A prospective randomized double-blinded study. *Eur Surg Res* 2008; 40: 203-210.

Crane D, Everts PAM. Platelet rich plasma (PRP) matrix grafts. *Pract Pain Management*. 2008; 8: 12-26.
Everts PAM, Delawi D, Brown Mahoney Chr, van Erp A, Overdevest EP, van Zundert A, Knape JTA, Dhert WJA. Improved bone and bone substitute growth after platelet gel application, an experimental goat study. 2008: *J Biomaterials Research – Part A*. 2010 Feb; 92(2): 746-53.31.

Geuze RE, Everts PAM, Kruyt, MC, Verbout AJ, J Alblas, Dhert WJA. Orthotopic Location Has Limited Benefit from Allogeneic or Autologous Multipotent Stromal Cells Seeded on Ceramic Scaffolds *Tissue Engineering Part A*. November 2009, 15(11): 3231-3239.

de Hingh IHJT, Nienhuijs SW, Overdevest EP, Scheele K, Everts PAM. Mesh fixation with autologous platelet-rich fibrin sealant in inguinal hernia repair. A matched with suture fixation control study. *Eur Surg Res*, 2009;43 (3): 306-9.

Autologous platelet gel in total knee arthroplasty contributes to improved outcome. A prospective randomized pilot study. Horstmann WG, Slappendel R, van Hellemond G, Wymenga AW, Jack N, Everts PAM. *Knee Surgery, Traumatology and Arthroscopy* 2011 Jan; 19 (1): 115-21.

Autologous platelet-leukocyte gel: applications during surgical indications. Dutch title: Autologe plaatjes-leukocyten gel: toepassing bij diverse chirurgische indicaties. PAM Everts, JG Everts-Koning, V Scharnhorst en J Curvers. *Dutch J Blood Transfusion* 2010; 3: 97-93.

Allogeneic platelet gel in a urological patient with acquired thrombocytopenia. Case report. Dutch title: Casuïstiek: Allogene trombocytengel bij urologische patiënt met een verworven trombocytopathie. J Curvers, E Koldewijn, PAM Everts, W Peters, V Scharnhorst. *Dutch J Blood Transfusion* 2010; 3: 94-96.

Dutch Perfusion Incident Survey 2006-2007. Groenenberg I, Weerwind PW, Everts PAM, Maessen JG. *Perfusion* 2010; Sep;25 (5): 329-36.

Dohan Ehrenfest DM, Bielecki T, Borzini P, Sammartino G., Rasmusson L, Everts PAM. In search of a consensus terminology in the field of platelet concentrates for surgical use: Platelet-Rich Plasma (PRP), Platelet-Rich Fibrin (PRF), fibrin gel polymerization and leucocytes. *Current Pharmacological Biotechnology*, 2012 Jun;13 (7):1131-7.

Everts PAM, Hoogbergen MH, Weber T, et al. Is the use of autologous platelet-rich plasma gels in gynecologic, cardiac, and general surgery beneficial? *Current Pharmacological Biotechnology*. *Current Pharmacological Biotechnology*, 2012 Jun;13 (7):1163-72.

Bielecki T., Dohan Ehrenfest, DM, Everts PA., Wiczowski T. The role of leukocytes from L-PRP/L-PRF in wound healing and immune defense: new perspectives. *T Current Pharmacological Biotechnology*, 2012 Jun;13 (7):1153-62.

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Alsousou J., Anitua E., Bachl N., Devilee R., Engebretsen L., Everts PA, Hamilton B., Huard J., Kon E., Maffulli N., Mei-Dan O., Philippon M., et al. International Olympic Committee Consensus paper on the use of platelet-rich plasma (PRP) in sports medicine. *Brit J sports medicine*. *Brit J Sports Medicine*. 2010; 44 (15): 1072-81.

van Montfort G., van Veen A., Everts PAM., Nonunion and the application of platelet-leukocyte gel (PLG) and bone morphogenetic protein (BMP). In *BOOK Chapter: Concepts and cases in nonunion treatments*. (Ed: Rene Marti and Peter Kloen). Thieme Stuttgart. 2011; 75-79.

Kock LM, van Donkelaar CC., Jansen RP., Stolk SC, Everts PAM, Ito K. Platelet-rich plasma inhibits a chondrogenic response by osteoarthritic chondrocytes seeded in agarose. *Master Thesis Technical University*, 2012.

Everts P., Schonberger J, Peels, C. "The Abiomed BVS 5000 for the Treatment of Postcardiotomy Cardiogenic Shock". In *BOOK: Assisted Circulation*. Editor: Felix Unger. Springer. ISBN: 3-540-58547-8.

Everts PAM, Warbout M, de Veth D, et al. Use of Epidermal Skin Grafts in Complex Wounds: A Case Series. *Int. Wound J*. 2017; Oct. doi: 10.1111/iwj.12787.

Santema KT, Stoekenbroek RM, Koeleman MJ, Rekeers JA, Everts PAM, et al. Hyperbaric Oxygen Therapy in the treatment of ischemic lower extremity ulcers in patients with diabetes: Results of the Damo2cles multicenter randomized clinical trial. *Diabetes Care* 2018; Jan; 41: 112-119.

Everts PAM, Girao L, Contreiras P. Autologous Pure Platelet-Rich Plasma Injections for Facial Skin Rejuvenation. *Prime Magazine* July-August 2018.

Everts PAM, Girao L, Contreiras P. Pure Platelet-Rich Plasma Injections for facial rejuvenation lead to less wrinkles, a firmer skin with an improved sub-epidermal low echogenic band density. *Prime Aesthetics Journal*. 2018; 8:14-26. Rejuvenation: Biometric Instrumental Evaluations and Patient-Reported Outcomes to Support Anti-Aging Effects. *J. Cosmetic Dermatology*. 2018. DOI: 10.1111/jcocd.12802.

Harrison P, Alsousou J, Andia I, Burnouf T, Dohan Ehrenfest D, Everts P, Langer H, Magalon J, Marck R, Gresele P. Guidance on the use of platelets in regenerative medicine and proposal for a new classification system: a consensus of the working party from the platelet physiology subcommittee of SSC/ISTH. *J Thromb Haemost*. 2018; 16: 1895-1900.

Everts PAM. Book chapter: "Autologous Platelet-Rich Plasma Gel and Mesenchymal Cells for the treatment of chronic and recalcitrant cutaneous wounds." In *BOOK: Wound Healing*. Editor: Kamil Hakan Dogan. ISBN 978-953-51-6522-4

Aditya K. Gupta, John Cole, David P. Deutsch, Peter A. Everts, Robert P. Niedbalski, et al. Platelet Rich Plasma as a Treatment for Hair Loss. *Dermatologic Surgery*. 2019 Mar 11. doi: 10.1097/DSS.0000000000001894

Everts PAM, Malanga G, Rothenberg J, Stephens N, Paul R, Mautner K. Assessing Clinical implications and perspectives of the pathophysiological effects of erythrocytes and plasma free hemoglobin in autologous biologics for use in musculoskeletal regenerative medicine therapies. *Regenerative Therapy*. 2019; 11:54-64.

Prof. Dr. Peter A.M. Everts, Ph.D., FRSM.

Meredith H. Prysak Ph.D, Peter A. Everts Ph.D., Cole G. Lutz, Tyler Zukofsky, Jordan M. Katz Ph.D., Gregory E. Lutz M.D. Optimizing the Safety of Intradiscal Platelet-Rich Plasma Preparations: An *In Vitro* Study of Antimicrobial Efficacy with *Cutibacterium acnes*. *International Orthopedics*. 2019; 14 (10): 955-967.

Anz AW, Hubbard R, Rendos NK, Everts PA, Andrews JR, Hackel JG. Bone Marrow Aspirate Concentrate is Equivalent to Platelet-Rich Plasma for the Treatment of Symptomatic Knee Osteoarthritis through One Year. A Prospective, Randomized, Controlled Clinical Trial. *The Orthopedic Journal of Sports Medicine*. 2020; 8 (2)
DOI: 10.1177/2325967119900958.

Everts P, Flanagan G., Rothenberg J, Mautner K. Book Chapter: "The rationale of autologous bone marrow mesenchymal cells in regenerative medicine applications." " In BOOK: *Regenerative Medicine*. Editor: Mahmood Choudhery. 2020. ISBN 978-1-83881-928-6.

Alyssa Neph, Allison Schroeder, Keelen R. Enseki, Peter A. Everts, James H-C. Wang, Kentaro Onishi. Role of Rehabilitation/Mechanical Loading for Platelet-Rich Plasma Treated Tendinopathy. *Curr Sports Med Reports* 2020; 19:209-216.

Miroshnychenko O, Chalkley R, Leib R, Everts PAM, Dragoo J. Proteomic analysis of platelet-rich and platelet-poor plasma. *Regenerative Therapy* 2020; 15: 226-235.

Everts PAM, Flanagan II G, Ferrell J, Irizarry M, Rothenberg J, Stephens N, Paul R, Mahoney C, Mautner K. A bone marrow aspirate concentrate is a superior regenerative injectate than a bone marrow aspirate injection. Total deliverable cells and platelet growth factor analysis. *J. Stem Cell Res Ther* 2020;10;461.

Mautner K, Mairin G, Everts P. Laboratory Quantification of Bone Marrow Concentrate Components in Unilateral Versus Bilateral Posterior Superior Iliac Crest Aspiration. *J. Stem Cell Res Ther* 2020; vol 10: No 466.

Rothenberg J, Godha K, Civitarese D, Malanga G, Singh R, Panero A, Everts P, Dididze M, Jayaram P. Pain and functional outcomes of the sacroiliac joint after platelet-rich plasma injection: a descriptive review. *Regen Med*. 2021. 10.2217/rme-2020-0110.

Everts P, Onishi K, Prathap J, Lana J, Mautner K. Platelet-Rich Plasma: New Understandings and Considerations in 2020. Review. By invitation: *Inter J Mol Sci*. 2020;21: 7794;
doi:10.3390/ijms21207794.

Everts P, van Erp A, DeSimone, Cohen D, Gardner R. Platelet Rich Plasma in Orthopedic Surgical Medicine. *Platelets* 2021; <https://doi.org/10.1080/09537104.2020.1869717>.

Micovic s, Everts P, Calija B, Strugarevic E, Grubor N, Boricic M, Lesanovic J, Box H, Abazovic D. Novel autologous, high concentrated fibrin as advanced hemostatic agent for coronary surgery. *Transf and Aphereiesis Sci*, 2021. <https://doi.org/10.1016/j.transci.2021.103171>.

Everts PAM. Autologous tissue harvesting techniques: Platelet-Rich Plasma. In: Williams, Chr., Sussman, W., Pitts, J. (eds) *Atlas of Interventional Orthopedics Procedures*. Elsevier ISBN: 9780323755153

Prof. Dr. Peter A.M. Everts, Ph.D., FRSM.

Everts PAM, Flanagan G, Podesta L. Autologous Orthobiologics. In: Mostoufi, S.A., George, T.K., Tria Jr., A.J. (eds) Clinical Guide to Musculoskeletal Medicine. Springer, Cham. https://doi.org/10.1007/978-3-030-92042-5_62. 2022.

Everts P. Non-Surgical Aesthetics in Facial Rejuvenation and Hair Restoration using autologous PRP and Adipose Tissue Concentrate. In: Bard, R. (ed) Image guided Aesthetic Procedures & Treatments. Springer 2022.

Anz AW, Plummer H, Cohen A, Everts PA, Andrews JR, Hackel JG. Bone Marrow Aspirate Concentrate is Equivalent to Platelet-Rich Plasma for the Treatment of Symptomatic Knee Osteoarthritis at 2 Years. A Prospective, Randomized, Controlled Clinical Trial. The Orthopedic Journal of Sports Medicine. 2022; 50 (3) 618-628.

Everts P, Sadeghi, P., Smith D. Basic Science of Autologous Orthobiologics. Part 1. Platelet-Rich Plasma. In: Khadavi, M., Podesta, L. (eds) Physical Medicine and Rehabilitation Clinics. Elsevier Special Edition of Journal on "Regenerative Medicine". 2022. <https://doi.org/10.1016/j.pmr.2022.08.003>.

Everts P, Panero, A. Basic Science of Autologous Orthobiologics. Part 2. Mesenchymal Stem Cells. In: Khadavi, M., Podesta, L. (eds) Physical Medicine and Rehabilitation Clinics. Elsevier Special Edition of Journal on "Regenerative Medicine". 2022. <https://doi.org/10.1016/j.pmr.2022.08.004>.

Panero, A., Everts P., Nakagawa, H., Sussman, W., Qin, X. Basic Science of Allograft Orthobiologics. In: Khadavi, M., Podesta, L. (eds) Physical Medicine and Rehabilitation Clinics. Elsevier Special Edition of Journal on "Regenerative Medicine". 2022.

Everts, P.A., Podesta, L., Mazzola, T., Randelli, P., Mautner, K. Modifying Orthobiological PRP Therapies are Imperative for the Advancement of Treatment Outcomes in Musculoskeletal Pathologies. By Invitation of Biomedicines. 2022, 10, 2933. <https://doi.org/10.3390/biomedicines10112933>.

Dallo, I., Bernaldez, P., Lana, J., Everts, P. By invitation; Book Chapter: Defining, Optimizing and Measuring BMA and BMC. In: Frank, R., Chahla, J. (eds) Orthobiology. Elsevier.

Nakagawa H., Panero, A., Sussman, W., Everts, P. By invitation; Amniotic-Derived Stem Cells. In: Frank, R., Chahla, J. (eds) Orthobiology. Elsevier.

Everts, P., Lana, J., Onishi, K., Buford, D., Mahmood, A., Fonseca, L., van Zundert, A., Podesta, L. Angiogenesis and Tissue Repair are Contingent on Platelet dosing and Bioformulation Strategies following Orthobiological Platelet-Rich Plasma Procedures. By Invitation of Biomedicines, Special Edition on Angiogenesis and Anti-angiogenesis in Health and Disease; Mammadova-Bach E. 2023. Biomedicines 2023, 11, 1922. <https://doi.org/10.3390/biomedicines11071922>

Lana, J., Purita, J., Everts, P. Mendonça Neto, P., Ferreira Jorge, D., Mosaner, T., Furtado Da Fonseca, L., Silva Santos, G. Platelet-rich plasma power mix (ppm) - an orthobiologic optimization protocol rich in growth factor and fibrin concentration. Gels. 2023; <https://doi.org/10.3390/gels9070553>

Navani A, Ambach, M., Calodney A, Rosenthal R, Li, G, Brown Mahoney, Chr., Everts P. The safety and effectiveness of orthobiological injections for discogenic chronic low back pain: a multicenter prospective, crossover, randomized controlled study. Pain Physician. 2024; 27: E65-E77.

Prof. Dr. Peter A.M. Everts, Ph.D., FRSM.

Everts, P., Lana, J, Dallo, I., Podesta, L.: Book Chapter: BMAC for Knee OA. In: Kocaoglu B., Laver, L (eds). Musculoskeletal Injections Manual; Basics, Techniques, and Injectable Agents; Manual for the European Society of Sports Trauma, Knee Surgery, and Arthroscopy (ESSKA) and the ESSKA Orthobiologics Initiative (ORBIT). Springer Nature. https://doi.org/10.1007/978-3-031-52603-9_18#DOI

Everts, P., Barnabe R, Podesta, L., Paul R.: Book Chapter: Fat-Derived Products for Knee OA. In: Kocaoglu B., Laver, L (eds). Musculoskeletal Injections Manual; Basics, Techniques, and Injectable Agents; Manual for the European Society of Sports Trauma, Knee Surgery, and Arthroscopy (ESSKA) and the ESSKA Orthobiologics Initiative (ORBIT). Springer Nature. https://doi.org/10.1007/978-3-031-52603-9_19#DOI

Everts, P., Podesta, L., Fábio Lana J, Poovendran G, Silva Santos. G., Cares Huber S: Book Chapter: Alpha-2 Macroglobulin Concentrate as Orthobiologic in Osteoarthritis. In: Kocaoglu B., Laver, L (eds). Musculoskeletal Injections Manual; Basics, Techniques, and Injectable Agents; Manual for the European Society of Sports Trauma, Knee Surgery, and Arthroscopy (ESSKA) and the ESSKA Orthobiologics Initiative (ORBIT). Springer Nature. https://doi.org/10.1007/978-3-031-52603-9_21#DOI

Everts PA, Podesta L., A Single, same-day procedure using multiple PRRP formulations to treat complex knee pathologies. A case-report. Orthopedic Res Journal Online. Online J. 10(4). OPROJ. 000744. 2023. <https://doi.org/10.31031/OPROJ.2023.10.000744>

Flanagan G, Knab J, Rothenberg J, Everts, P. By invitation; Book Chapter 7: Platelet-rich Plasma. In; Manchikanti, L., Navani, A., Atluri, S., Sanapati, M. (eds) Manchikanti's Essentials of Regenerative Medicine in Interventional Pain Management 2nd Edition. https://doi.org/10.1007/978-3-031-50357-3_7

Alves deOliveira C, Lima Rodriguez, B, Everts, P., Navanni A, Lana, J. et al. Orthobiologic Management options for degenerative disc disease. Bioengineering. 2024; 11, 591. <https://doi.org/10.3390/bioengineering11060591>.

Everts P., Podesta L., Alexander R. By invitation; Book Chapter 1: A comprehensive guide of cellular blood-derived and mesenchymal stem cell based autologous biological preparations for tissue repair, regeneration, and wound healing. In Everts P, Alexander R. (Eds) in: Wound Healing-New Frontiers and Strategies. IntechOpen 2024. DOI: <http://dx.doi.org/10.5772/intechopen.1006741>.

Domingues R., von Rautenfeld M., Everts P, Lana J. The role of biologics in chronic wound healing. International Wound Journal. Int Wound J. 2024; 1-11. <https://doi.org/10.1111/iwj.14857>.

Everts P.A., Lana, J.F., Robert Alexander R.W., Dallo I, Kon E., Ambach M., Podesta L. Profound Properties of Protein Rich Platelet Rich Plasma Matrices as Novel Multi-Purpose Biological Platforms in Tissue Repair, Regeneration, and Wound Healing. By invitation: Inter J Mol Sci. 2024, special Edition: "New Advances in Platelet Biology and Function: 2nd Edition. July 2024. <https://doi.org/10.3390/ijms25147914>.

Ignacio Dallo, Pedro Bernáldez, Gabriel Silva Santos Jose Fabio Lana, Peter A. Everts. By invitation; Book Chapter 6: Defining, optimizing, and measuring bone marrow aspirate and bone marrow concentrate. In; Frank R., Jackson G., Chahla J. (Eds) Orthobiologics. Elsevier; ISBN: 978-0-12-822902-6. 2024. <https://doi.org/10.1016/B978-0-12-822902-6.00021-0>.

Prof. Dr. Peter A.M. Everts, Ph.D., FRSM.

Fonseca L, Silva Santos G, Azzini G, Lana J, Everts, P, et al. Preparing the Soil: Adjusting the Metabolic Health of Patients with Chronic Wounds before Biological Therapies. *Metabolism. Int Wound J.* 2024; 21:e70056. [DOI: 10.1111/iwj.70056](https://doi.org/10.1111/iwj.70056).

Lana J, Caponero de Brito G, Brito B, Krueel A, Lima Rodrigues B, Caliarri C, et al, and Everts P. Evolution and Innovations in Bone Marrow Cellular Therapy for Musculoskeletal Disorders: Tracing the Historical Trajectory and Contemporary Advances. *Bioengineering.* 2024, as part of the Special Issue Innovations in Regenerative Therapy: Cell and Cell-Free Approaches. <https://doi.org/10.3390/bioengineering11100979>

Everts, P., Acosta I, Podesta, L. The Rationale for Implementing Variable Platelet Dosing and Bioformulation Strategies in Platelet-Rich Plasma Applications. 2024. Submitted. By Invitation book chapter in: International Society of Arthroscopy, Knee Surgery, and Orthopedic sports Medicine, ISAKOS, Eds A. Gobbi, N. Nakamura, J. Lane, I. Dallo. 2024

Lana J, Purita J, Jeyaraman M, Freitas de Souza B, Lima Rodrigues B, Cares Huber S, Caliarri C, Silva Santos G, Furtado da Fonseca L, Dallo I, Navani A, Percoppe de Andrade M, and Everts P. Innovative Approaches in Knee Osteoarthritis Treatment: A Comprehensive Review of Bone Marrow-Derived Products. 2024. Submitted Biomedicines.

Lana J, Purita P, Jeyaraman M, Furtado da Fonseca L, Dallo I, Navani A, Antônio Percoppe de Andrade M, et al, and Everts P. Innovative Approaches in Knee Osteoarthritis Treatment: A Comprehensive Review of Bone Marrow-Derived Products. 2024. Submitted Biomedicine.

Domingues R., von Rautenfeld M., Lana J, Everts P. Adipose tissue products in chronic wound care. 2024. Submitted *Metabolism and Target; Special Issue on "Diabetic Foot Ulcers: Innovative Management and Treatment*.

Everts, P., Podesta, L, Lana, J., van Zundert, A. Nociceptive Effects of Autologous Biological Preparations. In preparation.

Everts PA, Flanagan II G, Ferrell J, Irizarry M, Rothenberg J, Stephens N, Paul R, Mahoney C, Mautner K. A comparative quantification in cellularity of bone marrow aspirated with two new harvesting devices and the nonequivalent difference between a centrifugated bone marrow concentrate and a bone marrow aspirate as biological injectates using a bi-lateral patient model. In preparation.

Everts, P., Podesta, L., van Zundert A, Brown Mahoney Chr., Hoffmann, J. J., Kon E, Lana, JF, Harrison P. Orthobiological platelet-rich plasma preparation methods should be flexible and individualized to the patient's mean platelet volume and density following homeostatic responses: An evidence-based narrative review. In preparation.