



Organic Surgery

Master Class - Rotterdam

by

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As you most likely know, **Organic Surgery** is enjoying a worldwide increase in popularity in a quickly growing number of clinical disciplines, other than plastic surgery only.

Initially, Organic Surgery was referring to lipofilling, intending to restore volume or improve contour of face and body. Today, 100% of autologous techniques allow you to have your patient repair him or her self, relying on growth factors from platelets and repair cells from autologous subcutaneous tissue. Skin damaged by aging, radiation or scarred by trauma, even loss of hair, they all seem to be able to be repaired. Arthritic and painful joints, varying from knee, wrist, hip to shoulder, but even fistulas can be triggered to repair and regenerate. (Top) sport injuries appear to be treated with more success and a shorter period of recovery than ever. A confusing diversity of techniques and methods, however, raise many questions on unclear differences between types of lipofilling, PRP, SVF, PRS, ASCs, (fat) stem cells. How exactly does it work? How to bring it into practice? Can treatments be cheaper? Quicker?

This 1-day Master Class will give you the answers.

Organic Surgery in essence is
the '*Trinity of Repair*' with the option of adding volume!

This Master Class will offer you ...

1. Scientific and **directly applicable** clinical insight:
 - On volume by Lipofilling
 - On repair by PRP, SVF, ASCs (previously referred to as fat stem cells) and PRS
 - **PRS** = Platelet Rich Stroma = the '**Trinity of Repair**': the undividable combination needed to allow repair: the signal + the repair cell + the matrix
 - Based on personal experience from over 3500 treatments, 24+ peer-reviewed papers, supervising 3 PhD-projects and many contributions to scientific meetings
2. **New expertise**, how to make it yourself:
 - Platelet Rich Plasma (**PRP** = the signal) and Stromal Vascular Fraction (**SVF** = the repair cell in its own matrix) cheaper and quicker than ever before!
 - **PRS**: the '**Trinity of Repair in a syringe within 45 min**' !
without using any chemical or enzymes, no lab needed, using a 100% closed system
3. **Professional support** by the top 4 industries in this market
4. Information on **medico-legal aspects** of the different treatment options.

Why would you come?

After hosting several master classes abroad, it became very clear which setup would work optimally efficient and which set up would not. The interactive format of the 1-day Master Class will prepare you, both theoretically as well as practically, in the most efficient way to implement these new treatment options into your daily practice, directly.

Gladly invited are

Plastic, orthopaedic and general surgeons, anaesthesiologists, dermatologists, cosmetic doctors and anybody who is interested in the newest insights on wound repair, recovery from (top) sport injuries, autologous volume recovery and 'organic pain treatment'.

Jerome Stevens, plastic and reconstructive surgeon

09.00am	Subscription with coffee, tea
09.25am	Opening word
09.30-10.15am	Trinity of Repair – background, developments, relation to face , (the 1.2.3.Dimensional Concept as a basis for cosmetic surgery of the face), breast (PUREGRAFT850, hybrid technique with implants, oncology), repair of soft tissue damage by your own repair system (clinical results on (radiated) skin, scar, wrist, knee, Alopecia Androgenetica, peri-anal fistulas)

10.15-10.30u	Break
10.30-11.15u	PRP – background, kits, technique, applications, injectable or addendum, scientific basis
11.00-12.00u	SVF – fat stem cells versus pro-genitor cells, Stromal Vascular Fraction, background, technique (enzymatic versus mechanical Fractionation of Adipose Tissue), FAT-SVF versus enzymatic single cell suspension, versus nanofat, (clinical results)
12.00-13.00u	Lunch (included)
13.00-13.45u	Trinity of Repair = Platelet Rich Stroma = PRP+SVF = PRS , background, technique, indications, results
13.45-14.00u	Break
14.00-15.00u	Hands-on Kits and instruments explained, in vivo demonstration; making PRP and SVF (Arthrex: ACP-syringe for PRP; ACA-kit for ACP ^{SVF}) and making PRS
15.00-16.00u	Group 1: making PRP on each other Group 2: making SVF from lipo-aspirate, making PRS
16.00-17.00u	Group 2: making PRP on each other Group 1: making SVF from lipo-aspirate, making PRS
17.00u	Closing words, Drinks, Certificate
18.00u	Diner (included)

Logistics

- Limited number of persons (*maximum 15, alternative or restitution when full*)
EUROMAST, Rotterdam (<https://euromast.nl/en/>, *overnight stay possible*)
- Friday November 22nd, 2019**
- Registration** by transferring €1650
to IBAN: NL93RABO.0381898245 to JKX Plastische Chirurgie, Rotterdam,
specs: **MC010, your name, e-mail address,**
- Early registrants will get the eBook ‘Organic Surgery’** (3 parts, *iBooks Store*, >200 interactive video’s/photos, à €600, *teaser*: <https://youtu.be/E3MTAitx4es>)
 - part 1+2+3 free - when payment is received before October 15
 - part 1+2 free - when payment is received before October 15
 - part 1 free - when payment is received after November 15
- Accreditation** NVPC (7pnts) , NVvH, NOV, NVDA, NVCA (6pnts)
- mailto: MC010@drstevens.nl

Personal scientific contribution

In press

- The effects of facial lipografting on skin quality: a systematic review. Van Dongen JA, Langeveld M, van de Lande LS, Harmsen MC, Stevens HP, et al. *Plas & Recon Surg* 2019
- The development of facial lipofilling from a historical point of view. Van Dongen JA, van Bortel J, Harmsen MC, Stevens HP. *Facial Plastic Surgery Journal*, 2019.
- Emulsification versus mechanical dissociation of adipose tissue: a comparison between the Nanofat procedure versus the FAT procedure. Van Dongen JA, Tuin AJ, Harmsen MC, van der Lei B, Stevens HP. *Plastic and Reconstructive Surgery*. 2019
- Fractionation of adipose tissue (FAT) procedure with a disposable one-hole fractionator. van Dongen JA, Gostelle FE, Vonk LA, de Bruijn JJ, van der Lei B, Harmsen MC, Stevens HP. *Aesthetic Surgery Journal*. 2019
- The difference between SVF isolation and fat emulsification: a crucial role for centrifugation" Van Dongen JA, Tuin AJ, Harmsen MC, van der Lei B, Stevens HP. *Plastic and Reconstructive Surgery*. 2019
- ACA-Technik: „stromal vascular fraction“, „platelet-rich plasma“ und Mikrofett zur körpereigenen Regeneration und Hautverjüngung; Stevens HP, Pototschnig, H, J of aesthetic surgery (German), *Journal für Ästhetische Chirurgie*, May 2019, Volume 12, Issue 2, pp 77–83
- Adipose extracellular matrix hydrogels incubated with released paracrine factors by adipose derived stromal cells: a novel allogenic treatment for wound healing. van Dongen JA, et al, Stevens HP, van der Lei B, Harmsen MC. *Jl of Tissue Engineering and Regen Med* 2019 Feb 26. doi: 10.1002/term.2843
- Isolation of stromal vascular fraction by fractionation of adipose tissue. Van Dongen JA, Harmsen MC, Stevens HP. *Methods Mol Biol*. 2019;1993:91-103. doi: 10.1007/978-1-4939-9473-1_8.
- Reply to: "Enhancement of progenitor cells by two-step centrifugation of emulsified lipoaspirate." Van Dongen JA, Tuin AJ, Harmsen MC, Stevens HP, van der Lei B. *Plastic Reconstr Surg* 2019 Feb 1. doi: 10.1097/PRS.00000000000005464
- Augmentation of Dermal Wound Healing by Adipose Tissue-Derived Stromal cells (ASC). Van Dongen JA, Harmsen MC, van der Lei B, Stevens HP. *Bioengineering (Basel)*. 2018 Oct 26;5(4). pii: E91. doi: 10.3390/Bioengineering5040091. Review.
- Reply to: "The addition of PRP to facial lipofilling: a double-blind placebo-controlled randomized trial." Van Dongen JA, Willemsen JC, Spiekman M, Vermeulen KM, Harmsen MC, van der Lei B, Stevens HP *Plastic Reconstr Surg* 2018 Aug 29. doi: 10.1097/PRS.00000000000004930
- Introducing Platelet-Rich Stroma: Platelet-Rich Plasma (PRP) and Stromal Vascular Fraction (SVF) Combined for the Treatment of Androgenetic Alopecia. HP Stevens et al. *Aesth Surg J* 2018, 1–12. DOI: 10.1093/asj/sjy029
- The Addition of Platelet-Rich Plasma to Facial Lipofilling: A Double-Blind, Placebo-Controlled, Randomized Trial. Willemsen JCN, Van Dongen J, et al, Stevens HP. *Plast Reconstr Surg*. 2018 Feb;141(2):331-343.
- Mechanical Micronization of Lipoaspirates: Squeeze and Emulsification Techniques. van Dongen JA, Stevens HP, et al. *Plast Recon Surg*. 2017 Jun;139(6):1369e-1370e.
- Use of Stem Cells in Orthopaedics, K Slynarski, HP Stevens, JA van Dongen, F Baszczeski, L Lipinski. A. Gobbi et al. (eds.), *Bio-orthopaedics, ISAKOS* 2017, Chapt 16, p197-204.
- The fractionation of adipose tissue procedure to obtain stromal vascular fractions for regenerative purposes. van Dongen JA, Stevens HP, et al.. *Wound Repair Regen*. 2016, Nov;24(6):994- 1003. Epub 2016 Oct 21.
- Platelet-Rich Plasma Influences Expansion and Paracrine Function of Adipose-Derived Stromal Cells in a Dose-Dependent Fashion. Willemsen JC, Spiekman M, Stevens HP, et al. *Plast Reconstr Surg*. 2016 Mar;137(3):
- The Treatment of Chronic Neuropathic Pain: Bio (Regenerative) Pain Treatment through Lipofilling. A Short Comm Case Series. H de Gast, B Torrensma, E
- Fitzgerald, HP Stevens, *Pain Physician* 2016; 19, 2150-1149.
- The effects of platelet-rich plasma on recovery time and aesthetic outcome in facial rejuvenation: preliminary retrospective observations. Willemsen JC, et al, Stevens HP. *Aesthetic Plast Surg*. 2014 Oct;38(5):1057-63.
- Results and long-term patient satisfaction after gluteal augmentation with platelet-rich plasma-enriched autologous fat. Willemsen JC, Lindenblatt N, Stevens HP. *Eur J Plast Surg*. 2013;36:777-782. Epub 2013 Sep 1.
- Biology and fundamentals of lipofilling: current standings on graft survival, regenerative potential and safety, HP Stevens J. Willemsen, *PRIME*, dec. 2013, 52-59, prime-journal.com
- Lipofilling het levende goud? HP Stevens, JC Willemsen. *Ned Tijdschrift voor Plastische Chirurgie*; juni 2013(3); p97-102.
- Lipofilling with minimal access cranial suspension lifting for enhanced rejuvenation. Willemsen JC, Mulder KM, Stevens HP. *Aesthet Surg J*. 2011 Sep;31(7):759-69.



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