

Hydroporation for JetCare Med by TavTech osmolyte + peptide based skin rejuvenation

Uwe Paasch, M.D., Ph.D.

Professor Division of Andrology

Department of Dermatology

University of Leipzig ▪ Germany

Medical Director

Dermatology Center & Tiliaderm Research Laser Institute

Gotha ▪ Taucha ▪ Germany

hautaerzte-paasch.de

IMCAS 2026

Paris January 29th – February 1st 2026

- Indication
 - Skin rejuvenation
- Treatment protocol @ visit 1, 2, 3 every 3 days
 - Step 1: Lymphatic massage 10-15 min
 - Step 2: Exfoliation 5-7 min
 - Step 3: Infusion 5-7 min
 - Step 4: Boost Infusion 5-7 min
- Follow up visit 4, 5, 6: one, four and 8 weeks post last treatment
- Study population
 - N=6, ♀= 6, ♂=0, Age=57.67 (43.09-76.02), Skin type I-II
- Read out parameters 21 variables Σ 2052 data points measured @ cheek left, cheek right, frontal
 - Dermoscopy Video imaging
 - Visia True skin age, Spots, UV, Brown spots, Red areas, Wrinkles, Evenness, Pores, Prophyrins
 - OCT Plexus depth, Vessel diameter, Vessel density, Skin thickness
 - Courage & Khasaka Hydration, Glow, Melanin, Erythema, Pliability, Elasticity

	LYMPHATIC MASSAGE STEP 01	EXFOLIATION STEP 02	INFUSION STEP 03	BOOST INFUSION STEP 04
Handpiece	TripleJet	TripleJet	MDJet	MDJet
Distance from skin	4–7 cm	1 cm	0.5–0.8 cm	0.5–0.8 cm
Handpiece Angle	90°	90°	90°	90°
Time	10–15 minutes	5–7 minutes	5–7 minutes	5–7 minutes
1st Treatment	18 ml of JetCare Hydro	5 ml of Renewal Care Glycolic Acid 16%	5 ml syringe of JetCare Med Relax	5 ml syringe of JetCare Med Refine Boost Infusion
2nd Treatment (7–10 days after 1st Treatment)	18 ml of JetCare Hydro	5 ml of Renewal Care Glycolic Acid 10%	5 ml syringe of JetCare Med Refill	5 ml syringe of JetCare Med Refine Boost Infusion
3rd Treatment (7–10 days after 2nd Treatment)	18 ml of JetCare Hydro	5 ml of Renewal Care Glycolic Acid 16%	5 ml syringe of JetCare Med Revitalize	5 ml syringe of JetCare Med Refine Boost Infusion
4th Treatment (7–10 days after 3rd Treatment)	18 ml of JetCare Hydro	5 ml of Renewal Care Glycolic Acid 10%	5 ml syringe of JetCare Med Relight	5 ml syringe of JetCare Med Refine Boost Infusion
5th Treatment (7–10 days after 4th Treatment)	18 ml of JetCare Hydro	5 ml of Renewal Care Glycolic Acid 16%	5 ml syringe of JetCare Med Relax	5 ml syringe of JetCare Med Refine Boost Infusion
Maintenance (Every 6–8 weeks)	18 ml of JetCare Hydro	5 ml of Renewal Care Glycolic Acid 16%	5 ml syringe of JetCare Med Refill	5 ml syringe of JetCare Med Refine Boost Infusion
Remarks	Leave on skin for 5–8 min, then wash with 8 ml of JetCare Hydro. TripleJet handpiece at 45°–60°.			



Step 1 Cleaning



Step 2 Visia



Step 3 Dermoscopy



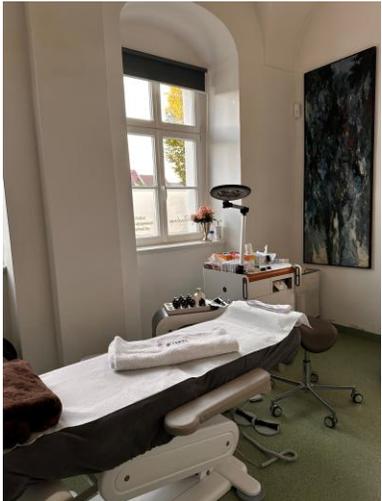
Step 4 OCT



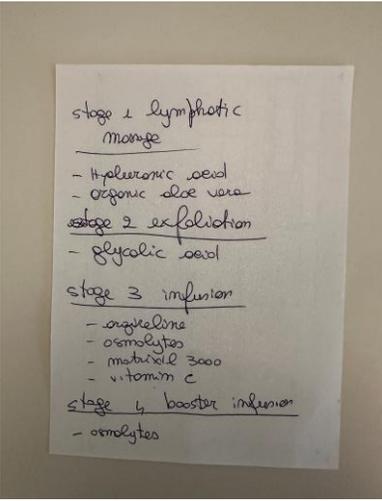
Step 5 Photography



Step 6 Skin physiology



Step 8 Treatment by professional hydroporator

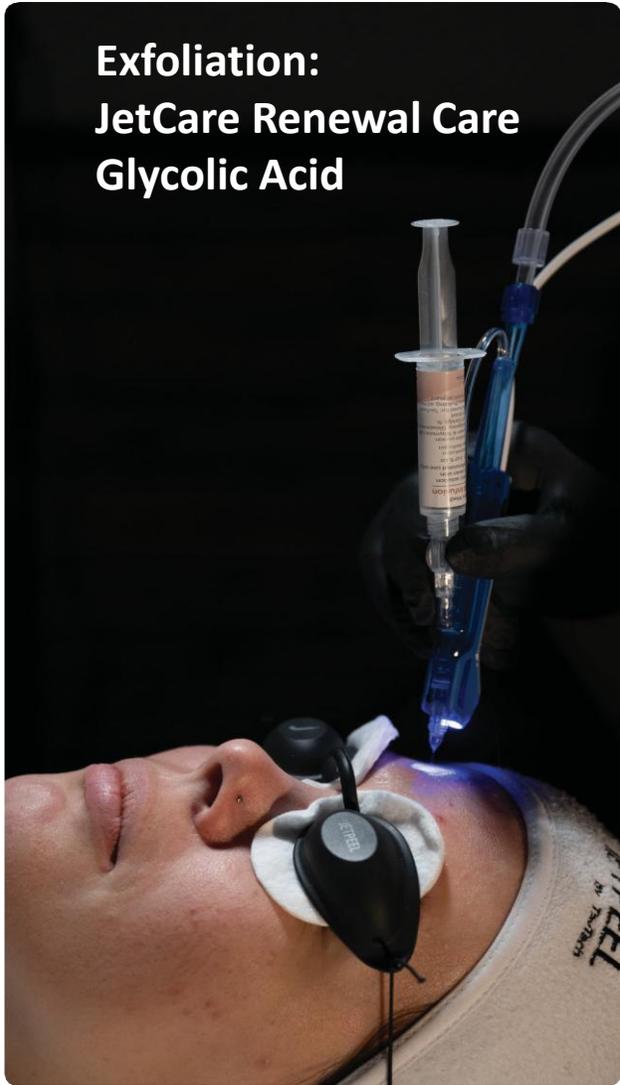


Step 9 Photography

N=6



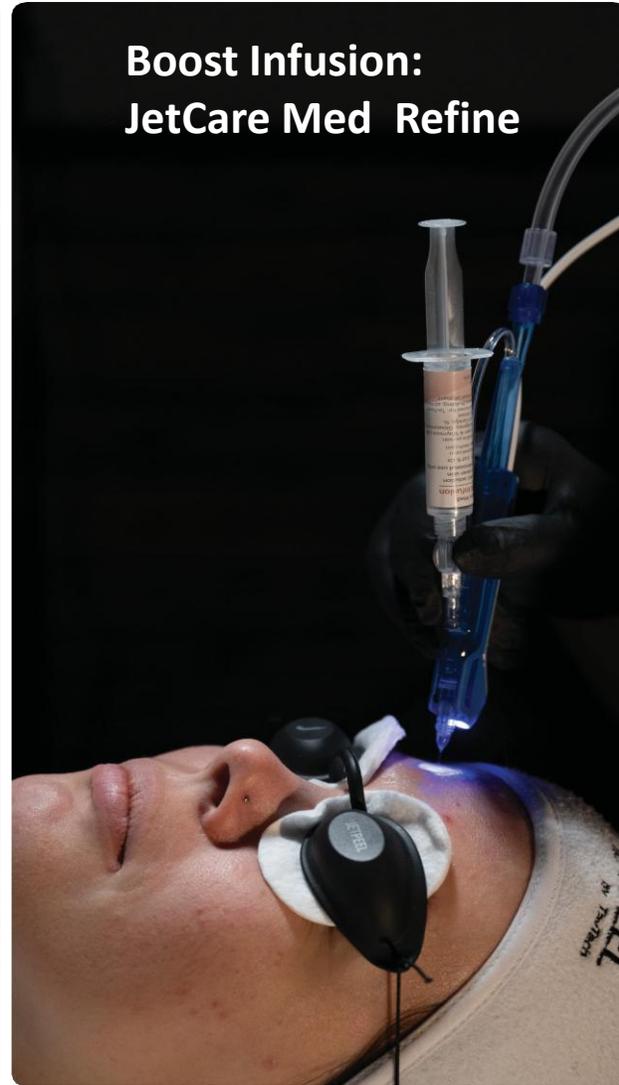
Lymphatic massage



**Exfoliation:
JetCare Renewal Care
Glycolic Acid**

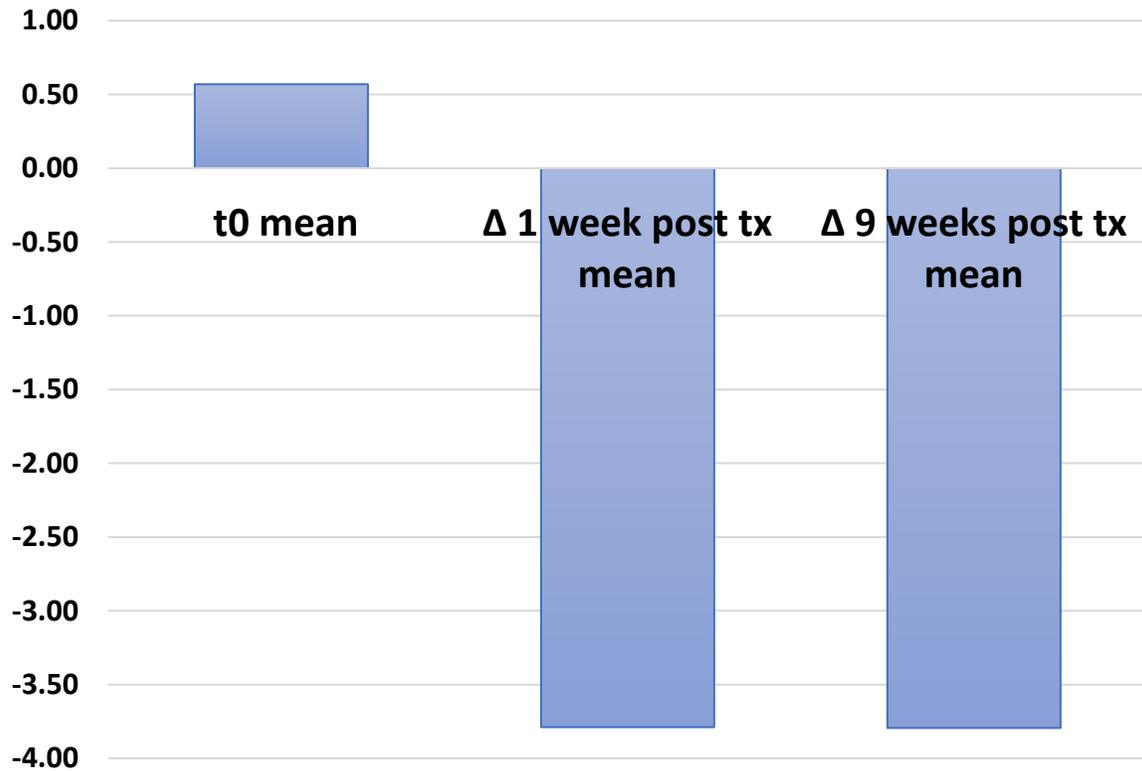


**Infusion:
JetCare Med Refill
JetCare Med Refine
JetCare Med Relax
JetCare Med Relight**

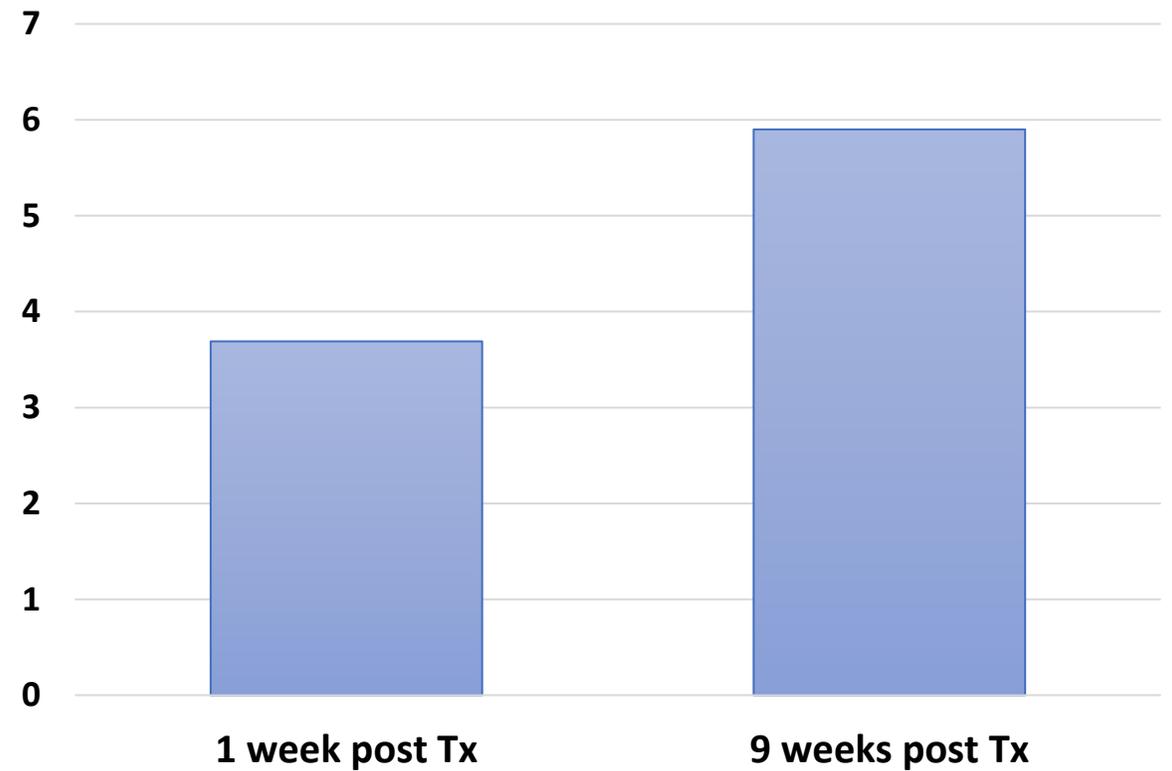


**Boost Infusion:
JetCare Med Refine**

True Skin Age (yrs) – Visia values



Skin Elasticity (R2 cutometer value)



Parameter Δ	1 week post Tx			9 weeks post Tx		
	Mean	Min	Max	Mean	Min	Max
[% improvement] or [yrs]						
True skin age [yrs]	-3.79	-0.04	-10.00	-3.79	-0.21	-7.21
Spots	10.22	0.00	24.67	7.72	-1.67	22.67
UV spots	4.06	-1.00	14.00	-6.56	-39.00	12.00
Brown spots	1.67	-8.67	7.33	11.67	2.67	33.00
Red areas	7.72	-1.00	24.00	3.61	-10.67	10.33
Wrinkles	4.00	-13.00	15.67	2.00	-15.00	17.67
Eveness	-0.56	-11.00	15.33	10.11	-1.67	39.33
Pores	-5.00	-10.33	0.67	3.78	-4.33	12.00
Porphyrins	-3.78	-34.67	31.67	-5.00	-42.67	23.33

Parameter Δ	1 week post Tx			9 weeks post Tx		
	Mean	Min	Max	Mean	Min	Max
Hydration	3.00	-10.92	22.90	-3.67	-20.08	27.89
Glow	1.09	-0.78	3.90	0.83	-0.40	2.50
Melanin	9.96	-4.42	28.66	-4.08	-29.00	9.78
Erythema	0.15	-23.22	29.00	-24.67	-54.33	-2.33
R0 Pliability	-0.08	-0.19	0.08	-0.07	-0.18	0.02
R2 Elasticity	3.69	-6.70	12.55	5.90	0.04	19.88

• Subjectives

- All subjects despite one rated the overall effect of the TX as very good
- No side effects

- **Improvement of:**
 - **Appearance as measured by True Skin age (Visia)**
 - **Improvement of all variables as derived from:**
 - **photographic analysis @ 1 and / or 9 weeks post Tx**
 - **Mexameter, Glow, Hydration**
 - **Improvement of R0 and R2 Values (Cutometer)**
- **Claim to invigorate collagen and elastin fulfilled**

Hautärzte Paasch



Contact Prof. Uwe Paasch