

Research Article

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Water Clarification and Impact Transfer on Tissues in Wet Contact

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ABSTRACT

Water is a pure substance that picks up a huge load during its cycles on the earth, in bio systems, in washing and cleaning, as well as in industrial and agricultural processes. Water can be clarified and loaded again with desirable gases like clean air within seconds by the new integrated clarification technology in tube condition. The clarified and reloaded water is able to transfer impact of the load on tissues in wet contact, and pick in slag from the tissue due to reduced surface tension. The water clarification technology is presented with illustrations briefly, and selective case studies of air impact transfer on bio tissues in wet contact are reported briefly here.

OxTube, a new water treatment innovation, clarifies water matrices in tube condition within seconds by four seamless phases; (1) separation of dissolved substances, (2) activation of molecules, (3) clarification and (4) post dissolving and refreshing. It separates and removes dissolved gases like radon, carbon dioxide, hydrogen sulfide and hydrocarbon, and dissolved solids like iron, manganese compounds, calcium, fluorine and phosphorus within seconds. Combined removal of pharmaceutical residues, disinfection and clarification in one within seconds is verified by ozone feed. Efficiency is based on kinetic energy of the flow converted to high dynamic pressure, even mixing and high collision probability of molecules in tube condition.

Health and wellness impact of clean air can be dissolved in to the water such a way that exchange of slag and air gas between bio systems and the water initiates immediately in wet contact. Comparable iron gets rusted right away in this treated water but it could take years in dry air.

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Introduction

Good morning Juhani, Helen phoning. – Hi Helen, I hope you are well. - I feel wonderful after a very good sleep which I haven't had for long time, actually for couple of months, thanks for your Water you gave it to me yesterday, that is a miracle I would say. I just waxed my legs with The Water last night before going to bed, the skin turned to a bit slippery and steady immediately, but the best, I slept really well and late, no pain in my legs I have had every night at around three a clock. - It's glad to hear Helen, I thought something special had happened to you because you sounded so excited. – I talked to my doctor already and said to him 'Doctors, you make people sick and despairing with your care and medicaments, yesterday I met an engineer, he just prepared The Water from tap and air with his tiny tube and these ills vanished immediately by waxing it on my legs'. I would say, he turned to silent and hurt. - Helen, please follow your doctor's instructions in spite of this positive progress. – Juhani, no any help of this long-lasting care, I'd like to continue with The Water definitely, I have suffered the disease and bad sleep long time. – Let's do so, you wax your legs with The Water at bed time and use doctor's medicaments in mornings. Do a control reservation with your doctor in two – three weeks. – Ok, thanks Juhani.

After two and half week. – Hi Juhani, the doctor said, it looks like the disease has vanished which I knew and felt already. I'd like to continue just with The Water – Helen, please do not skip the medical control. – Ok, Juhani. I have a neighbor who suffers dry and cold sensitive skin, no help with the health care, so he tried The Water on his skin, and felt next day much better, he said. – Ok Helen, I'll bring to you one of my test tubes you can prepare The Water for yourself and your neighbor in one condition, you guarantee you don't miss any doctorial control. – I guarantee it, thanks a lot Juhani.

Three months later. – Hi Juhani, everything is fine, I am well, and The Tube functions well but it has turned to brown. – I'll come to you and check it. Helen, the OxTube has oxidized iron present in the tap water, Figure 7. The water piping might be damaged, it should be checked and repaired. Please, call plumber service. The Tube is fine; I'll clean it out of rust. How is your neighbor today? – He said, no dry skin, nor scarf and the skin are now in winter like before in summer, not cold sensitive anymore.

Integrated Water Clarification

OxTube treats the water in flowing condition in its hermetic tube. It separates substances dissolved, splits molecular and ionic structures, activates molecules, and replaces these by air gases that are sucked by vacuum in the nozzle zone. Figure 1 illustrates visibly performance of OxTube of only 110 mm long. Dissolved substances are separated, molecules activated and the water clarified, and over-dosed air gas is after-dissolved in one within less than a second. The same procedure is performed in the

small-scale OxTube called OxPro Tap of 40 mm long as illustrated in Figure 2. OxTube is integrated in OxPro Shower in Figures 7 and 8, and a movable kitchen tap in Figure 9. Further, lot of air bubbles are generated and mixed in the water flow. Solid particles can be removed by flotation due to firm bubble generation and even mixture of bubbles and water. Particle attachment initiates already in OxTube just after the separation phase.

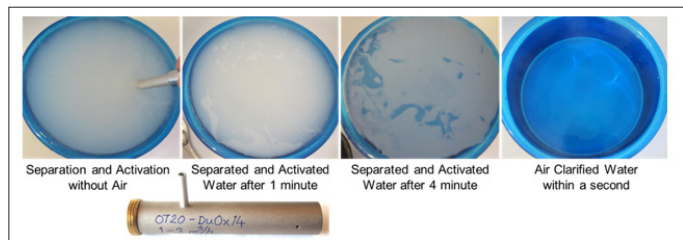


Figure 1: Demonstration of OxTube. Separation of Dissolved Substances and Molecular Activation Without Air Suction on the Left and Middle, and Integrated Clarification in One on the Right. The Water Used is Swiss Alpen Household Water T = 29 °C

Figure 3 illustrates visibly OxTube four phase clarification process in tube condition. The water is clarified from separation of dissolved substances to after dissolving or aeration seamlessly in hermetic tube condition. OxTube clarification is verified for several water matrices and applications.



Figure 2: Demonstration of OxPro Tap. Separation of Dissolved Substances and Molecular Activation Without Air Suction on the Right, and Integrated Clarification Including Separation, Activation, air Suction and Mixing, Clarification and Dissolving on the left. The water used is Swiss Alpen Household Water. OxPro Tap is Shown in the Middle.

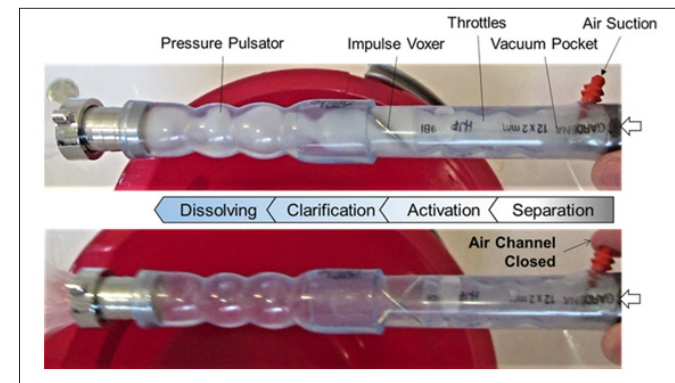


Figure 3: OxTube Water Clarification in Tube Condition illustrated visually with air suction. The clarification is performed within less than a second.

OxTube Machine shown In Figure 4 is the basic module of the integrated water clarification. Tube sizes from 8 to 214 mm of

diameter equal to mass flows of 0.2 to 400 m³/h are available so far. OxTube clarifies various water matrices within seconds in water flow by four seamless phases; (1) separation of dissolved substances, (2) activation of molecules, (3) clarification and (4) post dissolving and refreshing. It separates and removes dissolved gases like radon, carbon dioxide, hydrogen sulfide and hydrocarbon, and dissolved solids like iron, manganese compounds, calcium, fluorine and phosphorus within seconds. Combined removal of pharmaceutical residues, disinfection and clarification in one within seconds is verified by ozone feed. Efficiency is based on kinetic energy of the flow converted to high dynamic pressure, even mixing and high collision probability of molecules in tube condition. Table 1 shows disinfection efficiency of OxTube and comparison to some other disinfection methods. At the same time with the disinfection of 100 percent OxTube clarifies and oxygenates the water. Table 2 shows OxTube’s removal capability of pharmaceutical residues with comparison to two present technologies. One run through OxTube without filters results removal of about 90 percent, and two runs would result over 95 percent removal with ozone feed, and the water is disinfected, clarified and oxygenated together with the removal of pharmaceutical residues.

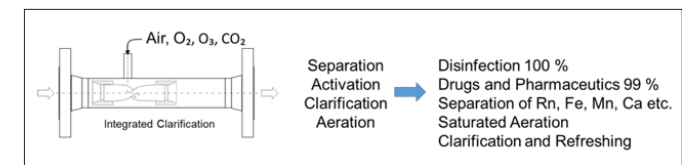


Figure 4: OxTube Machine and its Functions in One.

Figure 5 shows clarification capability of OxTube in case of industrial wastewater. Turbidity on the left turned to 0.0 NTU within 30 minutes in the test runs. The wastewater was pumped through OxTube in an open tank without filters.

Table 3 shows as an example aeration efficiency of OxTube. Saturation of O₂ in a mine water was achieved within 0.5 second by air suction. Basic research on the efficient aeration has been conducted at Oulu University.

Table 4 shows Rn removal capability of OxTube Installations in ground water intake. Compressed air was applied for blowing Rn out from the piping safely. Five Rn Removal Installations have been completed successfully so far.

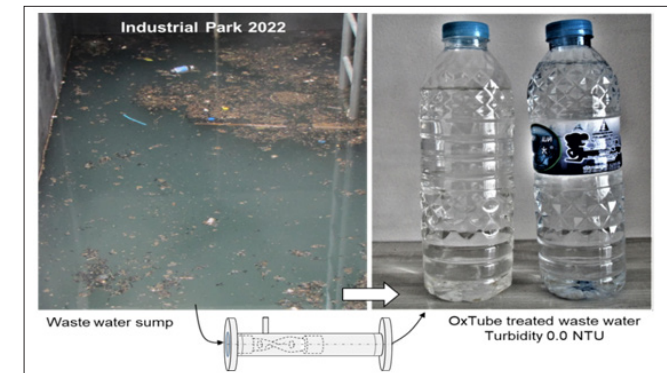


Figure 5: OxTube Test Runs of an Industrial Waste Water Resulted Turbidity of 0.0 NTU. The Clarified Water is Recyclable in Industrial Process Use.

Table 1: Comparison of Disinfection Efficiencies. OxTube Achieved 100 % Reduction of E.coli and MS2 Achieved with O₃ feed of 2 l/min within 0.7 Second, Oxygen Concentration Raised over 20 mgO₂/l, no Significant Ozone Residues /Savonia University of Applied Sciences in Kuopio

Disinfection Comparison of OxTube Ozone and UV based on THL Reports 2017 - 2019									
Disinfection Method	Q L/h	E.coli Initial PMY/ml	E.coli Finish PMY/ml	Reduction %	MS2 Intial PFU/ml	MS2 Finish PFU/ml	Reduction %	O ₃ Res mg/l	O ₂ mg/l
OxTubeDN25 Ozone	900	2 500 000	<0,001 (ML)	100	870 000	<2 (ML)	100	0,07	> 20
UV - 19 ml/cm ²	900	3 100 000	17 000	99,452	430 000	130 000	69,767		
UV - 29 ml/cm ²	500	3 100 000	93	99,997	430 000	35 000	91,860		
LED-UV	900	2 800 000	400 000	85,714	3 600 000	2 100 000	41,667		
LED-UV	500	2 100 000	210 000	90,000	3 745 455	1 800 000	55,605		
UV + PAA	500	2 400 000	1 700	99,929	3 000 000	730 000	75,667		
LED-UV + PAA	500	2 400 000	1	100	3 000 000	120 000	96,000		
PAA - 1 mg/l		2 100 000	<0,12	100	750 000	30 000	96,000		
PAA - 0,3 mg/l		2 100 000	2 900	99,862	750 000	45 000	94,000		
OxTubeDN25 Air Suction	900	2 500 000	1 700 000	32,000	870 000	340 000	60,920	0,02	11,65

Table 2: Removal of Pharmaceuticals of 35 from the Purified city Wastewater of Kuopio Finland by OxTube Machine Within a Second Including Comparison to Two Present Methods

Pharmaceutics In Total 35 Residues	OxTube Ozone Treatment			Present UV Method 1		Present UV Method 2	
	Initial µg/l	Residue µg/l	Reduction %	Residue µg/l	Reduction %	Residue µg/l	Reduction %
Total Emissions Load Reduction	20,158	2,041	89,88	14,556	27,79	14,666	27,24

Table 3: Aeration Efficiency of OxTube20 Based on Vacuum Suction, Even Mixture and Low Surface Tension. / Savonia University of Applied Sciences 11/2019

OxTube Aeration of Mine Water / Savonia University of Applied Scences 11/2019					
T °C	initiatial O ₂ concentration mgO ₂ /L	DO by Air Suction mgO ₂ /l	Saturation mgO ₂ /L	DO/ Saturation %	Aeration Time s
3,2	<1	12,63	13,4	94,3	0,4
9,3	<2	13,31	11,5	115,7	0,4
9,7	<2	13,08	11,4	114,7	0,4
8	<1	13,63	11,8	115,5	0,4

Table 4: Radon Gas Removal of Two OxTube Installations with Compressed Air from a Ground Water Intake

Water Flow m ³ /h	Date of 16 Samples 2019	Monitoring Data					Rn Concentration		Rn Removal Bq/l		
		Pressure psi					Raw Water	Treated Water	Reduction Bq/l	Reduction %	Acceptance
		Pump out	OxTube 1	OxTube 2	Distr. Line	Δ					
62,5	1809 - 2810	60	52	48	60	0	57 - 42	9 - 4	44	87,5	Passed
Requirement							52	11	41	79	

OxTube Water Clarification and Air Impact Transfer in Wet Condition

During the development and water test runs health impacts were identified already in early stage as well as gas separation and removal. Oxidation and clarification performance identified to be at qualified level. Small scale OxTube named as OxPro and related shower device OxPro Shower were developed and tested by prototypes. Clarified household water turned a bit slippery, tasty and its surface tension dropped significantly. Health and wellness impacts were obvious and visibly on skin, nails, hair, mouth hygiene and orally in metabolism. Now over 500 individuals and professionals have reported quick recoveries and wellness improvements.

Impacts of air gases were transferred on and in bio tissues, and vice versa slag in to the water in wet contact due to its reduced surface tension. Figure 6 describes the interaction between the treated water and bio tissues.

Figure 7 shows efficient and speed of the integrated clarification applied in OxPro Shower hand set. Iron ions are separated, activated and oxidized in the shower tube, and oxidized iron sticks right away on plastic surfaces of the shower head as it can be seen in the figure. This has happened in many case studies indicating high content of iron. In two cases imminent piping failures in water supplies, and one case a dangerous high iron content was identified with OxPro Shower device.

Figure 8 illustrates water and air flows, and conversion in the nozzle zone. Example of movable kitchen tap is presented in Figure 9. Metal-to-metal fittings are applied meaning no seals, it can be disinfected in high temperature and its life cycle is long.

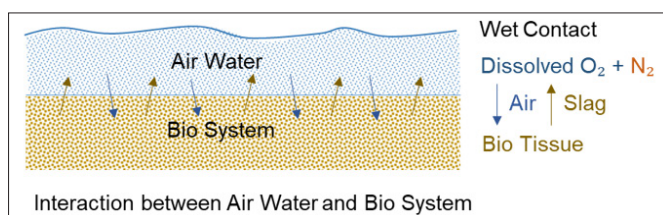


Figure 6: Interaction Between the Treated Water and Bio Tissues in Wet Contact. Surface Tension of the Water is Reduced Significantly, and Impact of Air Gases is Transferred Immediately in to Bio Tissues in the Wet Contact [12]

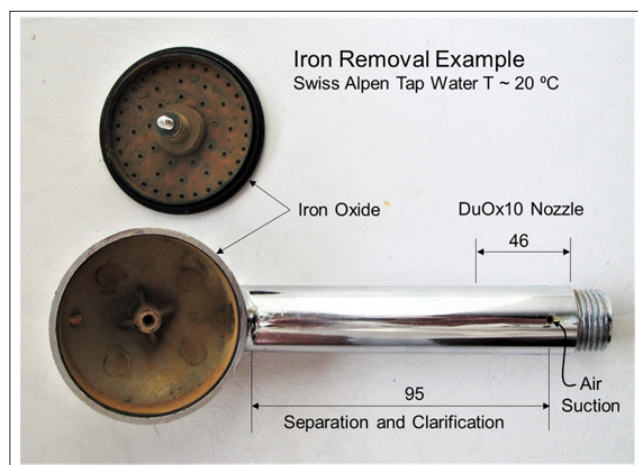


Figure 7: Separation Efficiency of DuOx Nozzle Installed in OxPro Shower. Iron Ions are Separated and Oxidized Within Less than a Second, and it Sticks on Plastic Surfaces [12].

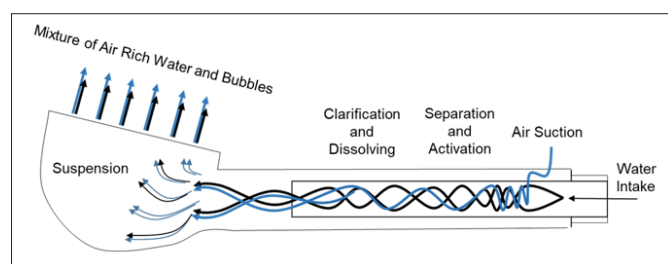


Figure 8: DuOx Nozzle can be Integrated in hand and Over-head Shower Devices. The water is Clarified, Air Gases Dissolved in it, Surface Tension Reduced and a Smooth Spray of air Bubbles and Water Generated.



Figure 9: OxPro Kitchen Tap Made of Aluminum in use in a Famous Restaurant. Tight Metal-to-Metal Fittings are Applied, no Seals at All.

Air Impact Transfers on Biologic Tissues in Wet Contact - Selected Case Studies of over 500 in total

Over 500 individuals and professionals have been used OxPro treated Water for various tissue deceases and orally in order to improve metabolism. In the treatment only air as clean as possible was sucked by the special nozzle of OxPro, mixed and dissolved in the Water. As said the Water transfers impacts of air immediately in to tissues like skin, nails and hair, and orally to metabolism in the wet contact. Further, surface tension of the water treated is reduced which enhances the transfer of air impacts in to issues as well as slag transfer in the water. Naturally, other substances than air can be dissolved in the water and improve transfer of impacts. Selected case studies and related stories are presented here briefly.

Massage Therapist of a Finnish Ice Hockey Team

Valtonen tried to cure his skin with nourishing creams, but that did not solve the problem fully. It is very cold in Finland in wintertime, and that made situation often even worse. Valtonen met Juhani Pylkkanen who plays ice hockey for fun. He tried the OxPro clarified water right away and was amazed at the results. - I applied OxPro water to my hands two or three times a day. The itching disappeared immediately. Tiny cracks in my palms disappeared when started to use the OxPro Shower. I enjoy OxPro Shower once or twice a day at the moment. My skin turned to unbroken even if exposed to harsh winter air. There is some drying, in the worst spots, but no cracks. My hands have never been in a better condition. I want to keep this shower. It has been very pleasant to observe the effects of the OxPro Shower. I am glad to recommend this to others as well.

The head equipment manager of the ice hockey team, Jukka Salminen, has tried drinking OxPro water half a litre of the clarified water per day. He noticed The Water increases metabolism significantly. - I experienced pretty fast metabolism for three or four days, when I started drinking the clarified water. I decided to wait a little and offer this to team members only after the season is finished. They will have more time to get used to this. A rash on my back has disappeared, and so has the unbelievable itching related to it. I take an OxPro Shower every day, and I must say I am very happy to have tried this.

Four Health Care Cases at Dila Health Care Center in Finland Reported by Hanna Dillström of Dila are briefly described here on the following tables. The report covers period of the time from November 5 to December 28, 2018, and the study continues [5].

Patient 1 age of 57 y	
Identified Disease	Poor blood circulation in leg, its skin very thin and wounds appear continuously on it. In overall skin and scalp oily, and scalp sweating problematic way
Treatment	The symptomatic leg was treated with OxPro Shower water daily. In addition the body was showered normal way with OxPro Shower daily. Other treatments were minimized. The changes in health condition was observed daily base.
1 to 2 days	Pleasant feeling on skin, no more sting nor burn nor pain on skin, skin became a bit moist
1 week	Skin of the symptomatic leg turned moist and more pleasant
2 weeks	The skin feels better, reaction on freezing weather reduced, not drying as before. Hair turned stronger and softer like washed with lake water.
3 weeks	Need to leg skin liposuction reduced, the skin feels softer
4 weeks	The skin better, softer and no itch anymore. Hair wash frequency reduced from daily to every third day. Scalp oiliness reduced, hair turned airy.
5 weeks	
6 weeks	The skin better in winter than before in summer, pleasant moist. Hair wash interval of 3 days good. Life quality enhanced significantly.

Patient 2 age of 82 y	
Identified Disease	Face and scalp sore, scaly, dry and red (erythematous)
Treatment	OxPro Shower treatment only ones a week, which means very seldom.
1 to 2 days	No visible impact, it was difficult say feeling in general
1 week	As above
2 weeks	No visible impact identified
3 weeks	The erythematous reduced obviously
4 weeks	The scaly reduced and erythematous decreased further
5 weeks	The scaly reduced further
6 weeks	The skin turned just fine, scaly vanished totally and as well as the redness can hardly be seen anymore.

Patient 3 age of 42 y	
Identified Disease	Atopic dry hands, cold winter weather and wood grinding dust dry skin more, weather-beaten, and yeast smell identified between fingers.
Treatment	The hands treated by dipping in and rinsing with OxPro Tube air treated water five times a day just after normal hand wash.
1 to 2 days	The hands became even more dry a bit, yeast smelled. The yeasty hands were treated with dedicated cream.
1 week	Yeast smell disappeared, no anymore yeast cream needed, the hands staid dry. .
10 days	The yeast vanished, hands still dry due to wood grinding dust, without air water treatment they could be much more drier.
3 weeks	to be continued
4 weeks	
5 weeks	
6 weeks	

Patient 4 age of 55 y	
Identified Disease	Oral use of OxPro Tube air treated water, no identified disease.
Treatment	Drinking of the air water during work hours in stead
1 to 2 days	Need to go to toilet more frequently for urination
1 week	Improvement of metabolism identified, need to drink the air water also after the work.
2 weeks	Abdominal condition improved and functions became regular. Taste of the air water softer than any other water.
3 weeks	Mucous membranes became softer and more meaty.
4 weeks	Feeling higher spirited, improvement of metabolism remained steadily at good level.
5 weeks	
6 weeks	Need of sleep decreased but feeling higher spirited, metabolism regular and improved, mucous membranes became steadily moister.

Stella Home Care Services, Finland is being in use the clarified water for health care and wellness services. The water was just aerated by the OxPro Tube right before use orally and on skin. The impacts according to the notes of a nurse of Stella are as follows:

- The first feeling in drinking was like well water instead of normal tap water.
- In hair washing in morning only one shampoo foaming was enough, and the hair was identified remarkable clean all over.
- The hands seem to remain 'comfortable slippery' just washing them only with The Water. Feeling is as clean as washing with soap.
- In the first week I completed three face nurtures with just the OxPro aerated water. One was informed and the others were not informed of The Water. All of them wondered right after the nurture, how the face skin can feel softer than before.
- My hair dresser said that my tenuous hair feels somehow better, it looks vital.
- I have noticed when drinking the OxPro aerated water I have to urinate more frequently than with the unaerated tap water.

Various health care and wellness nurtures based on The Water have been continued at Stella Lahti with full customer satisfaction. Many skin deceases not recovered before with conventional care have vanished without recur with The Water Treatment. The Water just by rinsing few times a day at the beginning has removed many occupational skin problems and improved work wellness as follows:

- Visibly very dry and itching skin of a customer has recovered and became stable when using OxPro Shower daily, skin liposuction is not needed anymore.
- Problematic cracking heels of many customers have recovered and became vital.
- In the foot cares dead dry skin and indurations loos remarkably easy, even themselves, after keeping feet in The Water certain time.
- Scurf and itching of hair scalp have vanished always within a week when showered with OxPro Shower. In few cases itching has recurred when turned back to normal tap water.
- The hands of the nurses are better, no cracks and no hand cream needed when washing hands with The Water.
- Face pack made of powder and The Water is easier to mix and spread, feels different and more pleasant, and looks like it works better.
- A customer suffered acne rosacea, she used OxPro Shower daily two weeks, feeling turned well already in two days and the red vanished in a week. She likes to buy such a shower when available.

Attendo Health Care Finland has tested the OxPro aerated water and OxPro Shower in connection with their nurtures and separately as well about two months with very positive results. People suffering severe deceases have gotten immediately relief to their bad feelings. Recoveries from long lasting deceases have reported too within the short period of time.

As an example a female of 66 years suffered mycoplasma, and periodical dehydration and ulceration of mucous membranes. She had suffered about a week symptom of mucous membranes in her genital area. Recovery takes time 1 to 2 weeks with a normal care. The symptom as a hole and particularly urination is very painful. She sprayed her genital area with the OxPro aerated water five times within one day, and all the symptoms vanished completely.

Seija, Hospital Laborant in Finland started to use prototypes of OxPro Shower and Water Tube two years ago, can't live without them. Her dry and scarfing skin have recovered, and her cracking hands and cuticles became strong, no cracking anymore. Drought and cracks on her heels have vanished for all. Itching on her scalp has vanished, too.

She prepared the clarified water for her aquarium about a half of its volume, algae disappeared, water stayed clear very much longer, plants turned green and pushed new leafs, the fishes turned clear colorful and visible social in their behavior.

Olli, Engineer in Finland as well as his wife have used regularly OxPro aerated water since 2016 when it was introduced by Juhani Pylkkanen in Switzerland. - We have enjoyed a lot in drinking The Water as well as making coffee of it. Feeling in mouth is very pleasant with drinking this water and coffee, and the stomach is well. The OxPro Shower is really a device without it we can't live. It follows us everywhere. I do sports actively and take shower at least ones a day, often three times a day. My skin is softer, moister and more flexible with the Air Water than untreated one, and need of soap and cream is significantly reduced. I have noticed that water temperature is adjusted clearly to colder position, too.

As Finns we enjoy sauna whenever it's available. We have identified clearly that The Water provides moister steam pleasant to breathe, and longer time to enjoy sauna pleasure than untreated water. The steam on skin and ayes feels pleasant and somehow slippery.

Also I treated our forest pond with the water clarifier called ClariOx according to Pylkkanen's advice. After two weeks treatment humus and bio mass rose on to the surface all over as a huge blanket. After scraping the floating mass away, which was a quite easy operation, the water was turned to clear like potable water, the bottom was visible, and smell of humus vanished in three weeks. The pond water has stayed clear without humus smell, and fishes are well growing visibly fast. Before since 2000 we have tried to clarify the pond water every summer with a spray aeration method and lime achieving just a little visible improvement.

Tapio, inventor in Finland - I have suffered scurf and itching of my scalp almost whole of my 60 years life. I have tried many treatments recommended by medical doctors without any promised changes. Juhani Pylkkanen told me on January 2018 on The Water he developed more or less by accident that could at least bring a pleasant feeling without itching. We enjoyed dinner in a restaurant after a long and tiring meeting, when Juhani proposed to make one bottle of The Water for trial. We had to drink a bottle of wine in order to get it for The Water, and he just dropped tap water through his small tube device and filled the empty wine bottle. According to his advice I just doused my hair with The Water of about 1 dl and let it dry before going to bed. I recognized after 10 minutes the itching vanished, and next morning an unbelievable feeling without itching I had suffered tens of years. I used The Water the same way after hair wash about ten times, and the scalp scarf vanished, no scarf appeared anymore even no use of The Water afterwards. This is a big change, may be the biggest in my life. The shower device of The Water would be nice to have.

Afta Recovery, 12-2018 in Switzerland - At 7:30 the painful afta (Stomatitis aphthosa) of 2 cm long between gum and cheek on right side below was identified in the morning. At 7:30 treatment with the clarified water started by teeth brushing and rinsing.

The pain reduced immediately. The swelled afta was seen and felt clearly by the tongue, Figure 10. Between 9:55 and 10:17 the afta was treated four times by keeping The Water in the mouth two minutes at a time. The pain disappeared while the swelling felt the same. Between 10:35 and 10:50 The Water was kept in the mouth two times two minutes at a time. The swelling was reduced to a small streak, no pain at all anymore. Between 11:15 to 17:35 hrs meeting with coffee and lunch, no pain nor unusual feeling, only minor swelling felt by the tongue. Between 18:20 and 19:40 hrs sauna of steaming and showering with The Water. The Water was kept two times two minutes at a time in the mouth. The afta vanished, it can't be seen nor felt. At 22:50 hrs before sleeping The Water was kept ones three minutes in the mouth. The afta of 2 cm long was recovered totally within 14 h. According to literature it takes 15 to 30 days, in some cases even longer, to recover from large aftas like this.



Figure 10: The Painful afta (Stomatitis Aphthosa) of 2 cm Long Between Gum and Cheek that Recovered in 14 h by use of The Water Described Above

Ahku in Finland had an active keratosis on her cheek that was progressed to precursor of skin cancer, Bowen's disease. The diseased skin operated and the surgical scar was treated several times with a dedicated gel. Over six months care the cheek skin was still strongly itching and scaly, and red in surrounding that turned ones a month to a painful bloody scar and further, it dried to a scab that loosed and the scar turned back to itching and scaly condition.

Ahku started to take OxPro Shower every day in May 2017 when the diseased skin was in itching and scaly condition as shown in Figure 11. In two weeks from the start the diseased skin was recovered significantly, inflammation and red were almost vanished, and no itching nor desquamation anymore, Fig 82. In one month the diseased skin was recovered, and the monthly cycle of scarf, bloody scar, dried scab, and itching and scaly scar hasn't recurred within the following control period of a year. The condition is good and stable.

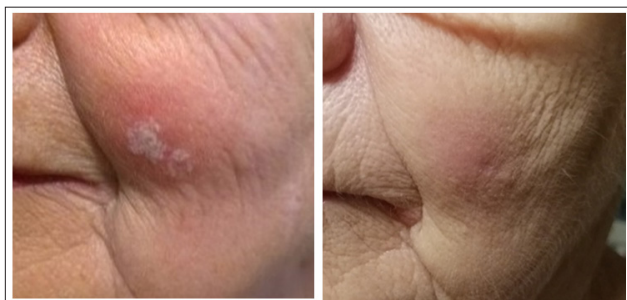


Figure 11: On the left the Skin After Six Month from Surgery and on the Right the skin After Two Weeks Air Water Treatment

Hairdresser, Lahti Finland used OxPro Shower prototype at home and work. Her dry skin and scalp scaling, and itching disappeared within two weeks. Her hair turned visible stronger and static vanished. She applied The Water for selected customers with the same impacts. The customers have recognized these changes. The hair dresser and her husband started to use the water orally by drinking and food making, too. The Water tastes better, mouth hygiene feels fresher and metabolism has turned to regular. Her husband carries now always a bottle of The Water with him when being away from home.

Eczema and Herpes Recoveries in Switzerland - Rinsing by the clarified water started after one day (24 h) from identification of the eczema, and it was fully recovered in 42 h just by rinsing it about every two hours during day time, Figure 12. Several this kind of quick recoveries have been measured, and further, sings of immunity improvement have been identified.

In case of herpes in Figure 13 rinsing by the clarified water started after three days from the identification being still in expanding phase. The recovery started in one hour by rinsing start, and it vanished fully in 50 hour by frequent rinsing just day time. Other quick recoveries of herpes and related immunity improvement have been reported.



Figure 12: Quick recovery of an Eczema Within 42 h Just by Regular Rinsing with the Clarified Water



Figure 13: Quick Recovery of a Herpes Just by Regular Rinsing with the Clarified Water

Giovanni in Swiss Alps felt pungent pain and itching allover on his arms and legs just after baling and storing of dry hay. The pain and itching vanished within two minutes by rinsing his arms and legs with The Water.

The second phase of Lyme borreliosis caused patches on the foot skin, swelling and stiffened foot joints. First the clarified water was spread or tested on one foot only, whereof patches vanished in three days and the swelling decreased as well while the other foot not treated stayed unchangeable. The swelling vanished totally in couple of weeks. The patches started to appear gradually when the Water was not used, but they disappeared immediately by the retreatment. Pain of the joints gradually decreased, and the joints began to move normally. The daily treatment by just shower

and drinking took place three months in total with some breaks between. Footbath of the cold Water was taken a couple of times at the beginning. The disease healed, no recurrence identified.

Allergic Reaction on Tap Water in Finland - Marja was not able to drink tap water at home and nowhere in Kuopio due to pain and swallow occurred immediately in her throttle. After little drinking she got red spots on her skin, too. Using the tap water for food and coffee was not possible for her before OxPro water clarification. Now she has prepared water for drinking, food and coffee with OxPro tube from tap four years without any these reactions and anxiety.

A swelling and pain, probably caused by an allergic reaction, occurred on ear and neck area quickly, about within an hour, Figure 14 on the left. Movement of the jaw and turning the head became difficult and painful. About a half an hour later dinking of the clarified water was initiated with amount of two glasses. After 10 minutes the pain disappeared and some feeling of warmth occurred. The swelling started to reduce in one hour and after five glasses of The Water. Movements of the jaw and head returned to normal in two hour. In six hour and after seven glasses of The Water the swelling, pain and feeling of the warmth disappeared, see Figure 14 on the right. No any medical care was used, no sign of the disease was identified next days at a medical doctor. A doctor suspected an allergic reaction.



Figure 14: Swelling Recovery Within Six Hours Just by Drinking Seven Glasses of the Clarified Water

Austrian Lady had suffered her stomach ache nearly a year long. She got some help from medical care for the ache but she lost her weight, and felt sick and powerless. She heard about the clarified water from Helen mentioned in Instruction above and wanted to dry it. The ache vanished in a day and recovery of her stomach started gradually. She felt well a month but turned sick again being without the clarified water. She tried The Water again and her wellbeing became back. Now she has OxPro Tap installed in her kitchen water supply. She drinks tap water daily and use it for cooking. The stomach problem has vanished.

The Cat enjoys every day OxTube clarified test water. She finds and drinks always only the clarified test water although it is hard to reach, Figure 15.



Figure 15: Cats Involved Select Always the OxTube Clarified Water Even it is Hard to Catch [12]

Brief Summary

During the research and test runs in product development the clarified household water was found a bit slippery and its surface tension reduced. Its significant impact on skin and nails health condition, and on taste and mouth hygiene was identified by the researchers. Further, eczemas and various wounds recovered fast without additional medical care, and signs of metabolism improvement was reported by many individuals and some professionals. Refreshment of natural waters and recovery of the related food chains are identified and confirmed in water clarification of ponds and lakes [1-12].

There are economic and environment issues identified and reported by the over 500 individual users and professionals of the OxPro Shower and Tap as follows:

- Reduction by 50 to 66 % of shampoo and soap is reported.
- Opportunity to save in water consumption: According to reports less water needed for shower and hand wash due to good cleaning feature of the clarified water based on the reduced surface tension. However, OxPro Shower was used more frequently than the previous one.
- Mixture of clarified water and air bubbles is 2 to 5 times in volume compared to intake water that provides water saving opportunity.
- The Water feels warmer, four degrees water temperature reduction in shower use is reported which might save in energy.
- Reduction or stop in use of skin screams is reported in the most cases.
- Improved health and wellness condition means less medicines and pharmaceutical residues in the waters through wastewater.
- Use of chemicals can be reduced all over that is a positive environmental impact.

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