



NANO
Rejuvenate
NanoRejuvenate® Hydrotherapy

*Rejuvenate
your skin
with
oxygen*

DaVinci



Spas

www.NanoRejuvenate.com

Exclusively for
DaVinci Spas®

NanoRejuvenate® Hydrotherapy

Webster's dictionary defines "rejuvenate" in the following ways:

- to make young or youthful again, to cause or undergo a renewal of youthfulness

How does the *NanoRejuvenate* technology cause a "renewal of youthfulness"?

The *NanoRejuvenate* Hydrotherapy system employs the latest advancements in micro/nano bubble generation. Through a patented pump design, water is drawn into the pump chamber where it is infused with oxygen-rich bubbles up to 100 times smaller than the technology used by others. This super-oxygenated water is then gently returned to the spa.

Since the bubbles are so tiny, they remain suspended in the water for a long time, accumulating until the water in your spa looks "milky." Not only does this process change the appearance of normal tap water, but after immersing your skin in this water for several minutes, and then drying off, your skin will feel "silky" as if you had applied lotion to it. Now even though this is an amazing effect, the truly amazing aspect of the *NanoRejuvenate* technology lies in what it can do for your health and body.

As you immerse your body in a spa equipped with *NanoRejuvenate* Hydrotherapy, trillions of microscopic oxygen-rich bubbles caress your body as they gently enter the pores of your skin. Upon entering your pores, your cells are rejuvenated as a result of contact with the oxygen-rich micro/nano bubbles. As the bubbles move out of your pores, they carry away the impurities, leaving your skin refreshed and hydrated. Even more amazing, your skin's collagen production is also stimulated as a result of increased cardiovascular circulation. This reduces fine wrinkles making your skin smoother and younger looking. You emerge from your bath with clean, soft skin without the use of soaps or oils. A completely, chemical-free bathing experience.

In addition, the spa water becomes infused with negatively-charged ions. The presence of these ions causes your body to produce biochemical reactions that increase the level of the mood chemical serotonin, leaving you more relaxed, helping to alleviate depression, relieving stress and boosting your daytime energy. The increase in positive emotions helps in reducing any pain or discomfort you had been experiencing prior to immersion.

Why is it very significant that our technology produces micro/nano bubbles?

To begin with, a typical air bubble in water may have a diameter of 3,000 microns (3mm or 1/8"). Some popular micro-bubble spas on the market today produce bubbles of 50 microns in diameter. The patented technology utilized by the *NanoRejuvenate* system produces micro-bubbles ranging in size from 0.5 microns (or 50 nanometers) to 30 microns in size.

Since the average human skin pore has a diameter of approximately 50 microns, for full hydrotherapeutic benefit, the micro/nano bubble system must generate bubbles much smaller than 50 microns, so they may easily enter deep into the pores. The *NanoRejuvenate* Hydrotherapy system accomplishes this essential task since the majority of bubbles produced are less than 10 microns in diameter. Additionally, since each micro/nano bubble is full of energy, as they are absorbed into the water they release heat, helping your bath water remain at a constant temperature instead of cooling off.

All of these benefits leave you looking and feeling younger. The effects on the human skin are so powerful that soaking 30 minutes a day in a *NanoRejuvenate* Hydrotherapy spa helps your body heal itself of unwanted skin conditions such as eczema and acne.

In 1513 Ponce de León discovered Florida while searching for the Fountain of Youth. Now, 500 years later, DaVinci Spas is proud to announce to the world the "discovery" of a real fountain of youth. The *NanoRejuvenate* Hydrotherapy system transforms ordinary water into the vitality-restoring waters that Ponce de León never found.

Exclusively available from **DaVinci Spas**

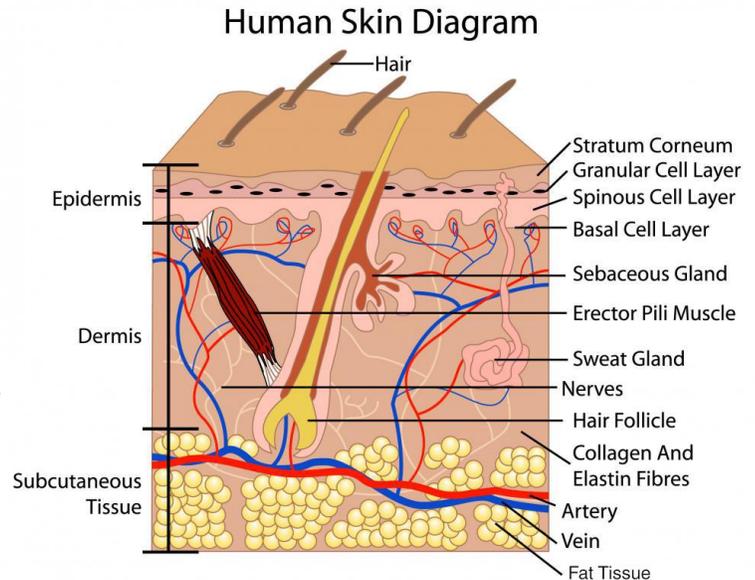


Why does our skin age?

Normal healthy skin has a nice epidermis with a smooth outer layer that acts as a good barrier to water and environmental injury. Skin color and tone is even and unblemished. Components such as collagen (which provides skin firmness), elastin (which supplies skin elasticity and rebound) and glycosaminoglycans or GAGs (which keep the skin hydrated) are all abundant.

Intrinsic aging is the natural aging process that takes place over the years regardless of outside influences. After the age of 20, a person produces about 1 percent less collagen in the skin each year. As a result, the skin becomes thinner and more fragile with age. There is also diminished functioning of the sweat and oil glands, less elastin production, and less GAG formation. Wrinkle formation as a result of intrinsic aging is inevitable, but it will always be slight.

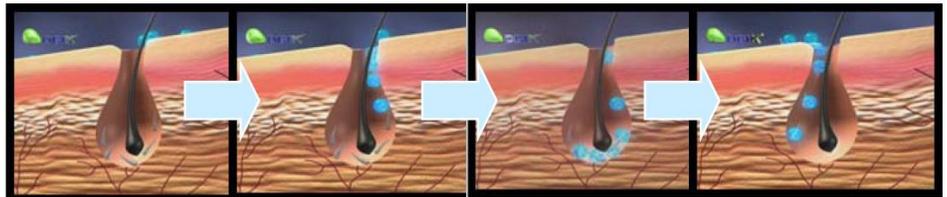
Extrinsic aging occurs in addition to intrinsic aging as a result of sun and environmental damage (tobacco use and exposure to pollution, for example). Extrinsic aging shows up as thickening of the outer layer, precancerous changes such as lesions called actinic keratosis, skin cancer (including basal cell carcinoma, squamous cell carcinoma, lentigo maligna melanoma), freckle and sun spot formation, and exaggerated loss of collagen, elastin, and GAGs. These processes give the skin the appearance of roughness, uneven tone, brown patches, thin skin and deep wrinkles.



How can NanoRejuvenate Hydrotherapy help with skin aging?

The *NanoRejuvenate* Hydrotherapy system employs the latest advancements in micro/nano bubble generation. Through a patented pump design, water is drawn into the pump chamber where it is infused with microscopic, oxygen-rich bubbles. 94% of these bubbles are between 5 and 30 microns in diameter. (This is important since the average human skin pore is about 50 microns in diameter.) This super-oxygenated water is then gently returned to the spa.

As you immerse your body in this water, trillions of microscopic oxygen-rich bubbles caress your body as they gently enter the pores of your skin. Upon entering your pores, your cells are rejuvenated as a result of

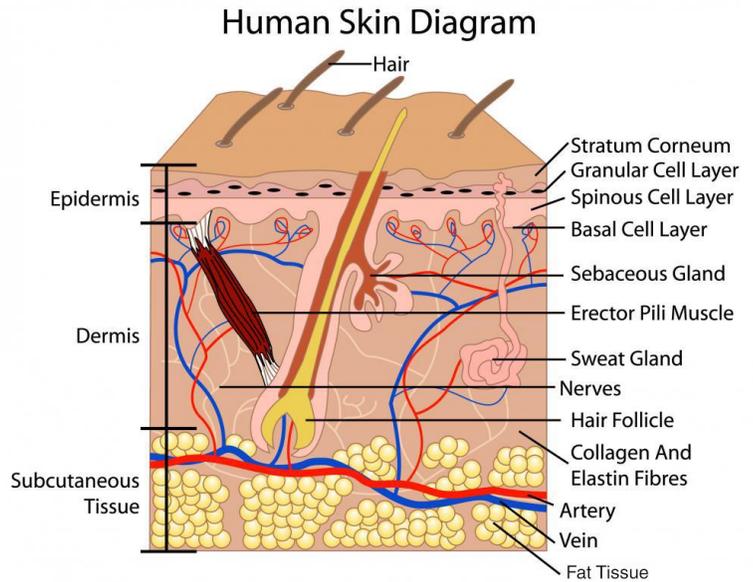


contact with the oxygen-rich micro/nano bubbles. As these negatively-charged bubbles move out of your pores, they carry away the impurities, leaving your skin refreshed and hydrated. Even more amazing, your skin's collagen production is also stimulated as a result of increased oxygenation. This reduces fine wrinkles making your skin smoother and younger looking. You emerge from your bath with clean, soft skin without the use of soaps or oils. A completely, chemical-free bathing experience.



What causes dry skin?

Normal skin has a soft, supple texture because of its water content. For skin to feel soft, pliable and "normal," its top layer must contain a minimum of 10% water — and ideally between 20% and 35%. To help protect the outer layer of skin from losing water, the skin's sebaceous glands produce an oily substance called sebum. Sebum is a complex mixture of fatty acids, sugars, waxes and other natural chemicals that form a protective barrier against water evaporation. If the skin doesn't have enough sebum, it loses water and feels dry. If environmental factors cause more water evaporation and overwhelm the ability of sebum to prevent water loss, the skin will shrivel and crack. Dry skin, also called xerosis, is a very common problem in modern societies, affecting people of all ages, even infants. In the United States, most cases of dry skin are related to one or more of the following factors:



Decreased production of sebum — This is often a factor in the elderly, since the number and activity of sebaceous glands in the skin tends to decrease with age.

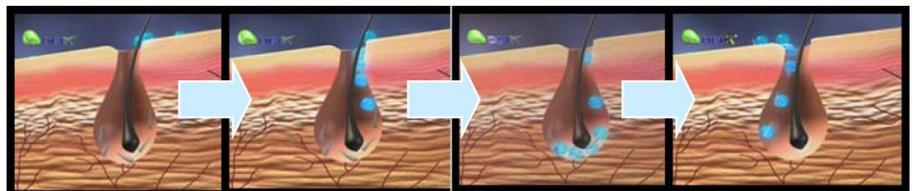
Loss of existing sebum — This usually is caused by lifestyle factors, such as excessive bathing or showering, excessive scrubbing of the skin while washing, or harsh soaps that dissolve the protective layer of sebum.

Environmental conditions that increase water loss — Extreme environmental conditions can overwhelm the skin's natural protective barrier, causing water to evaporate. This is an important reason for dry skin among people who live in sun-baked desert climates, especially in parts of the southwestern United States. Excessively dry indoor air also can cause dry skin and "winter itch" in the northern United States, particularly in people who use forced-air heating systems.

How can NanoRejuvenate Hydrotherapy help with dry skin?

The *NanoRejuvenate* Hydrotherapy system employs the latest advancements in micro/nano bubble generation. Through a patented pump design, water is drawn into the pump chamber where it is infused with microscopic, oxygen-rich bubbles. 94% of these bubbles are between 5 and 30 microns in diameter. (This is important since the average human skin pore is about 50 microns in diameter.) This super-oxygenated water is then gently returned to the spa.

As you immerse your body in this water, trillions of microscopic oxygen-rich bubbles caress your body as they gently enter the pores of your skin. Upon entering your pores, your cells are rejuvenated as a result of contact with the oxygen-



rich micro/nano bubbles. As these negatively-charged bubbles move out of your pores, they carry away the impurities, leaving your skin refreshed and hydrated. Even more amazing, your skin's sebaceous glands are also stimulated as a result of increased oxygenation. You emerge from your bath with clean, soft skin without the use of soaps or oils. A completely, chemical-free bathing experience.