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Moisturizing is a Must

Even though we live in a moist environment, dry skin is a common problem among people living in South Florida. The flakiness of dry skin is bothersome, and the lusterless nature of dry skin makes fine lines and wrinkles more obvious. Moreover, dry skin can cause itching, dermatitis and infection, espestructure common to dry skin.

By staying moist, the skin maintains its flexibility and elasticity so that it can stand up to everyday trauma like bumps and cuts. A moist skin surface also allows beneficial nutrients and medications to enter the skin while preventing the entry of harmful bacteria and fungus. It essentially seals out the bad and keeps in the good.

To understand dry skin, it is helpful to know a little bit about how our skin works. The outermost surface layer of our skin, known as the stratum and-mortar structure. In healthy skin, the bricks of the stratum corneum are dead skin cells that originate in the lower layers of the skin. As these cells die and break down, they become flat bricks of protein that contain natural moisturizing factor (NMF), which acts like a sponge to pull water into the skin, keeping it moist. The protein bricks also provide the skin with strength and a certain degree of protection from the damaging effects of sunlight's ultraviolet radiation.

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Skin's "bricks" are held together by "mortar" consisting of cholesterol, fatty acids and ceramides, all of which are lipids, or fats. These lipids surround the bricks to lock in the moisture and the skin. They also provide an antimiprotein bricks and the fatty mortar of the stratum corneum must function

tiny, microscopic cells shed individually, making them virtually imperceptible

each other like they should, and instead clump together, producing large flakes of skin that are plainly visible.

Skin can become dry for several reasons. First, as we mature, our body's prevent water loss from the surface of ability to produce the proper lipids necessary for holding on to water in the crobial barrier to help prevent infection skin's surface decreases slightly. Other cially as harsh environmental factors by the bacteria and fungi that exist in factors that cause dry skin include sun bombard the already weakened skin the environment. Therefore, both the exposure, which interferes with the skin's ability to form NMF; soaps that dissolve the skin's lipids and wash away properly for skin to stay moist, healthy the NMF; wind that blows water off the skin's surface; and low temperature and People with healthy skin shed thou- humidity, both of which prevent the sands of dead skin cells daily; we just skin from being able to pull in water don't notice the shedding because the from the environment. Many people are predisposed to dry, damaged skin by medical conditions like atopic derto the human eye. In dry skin, however, matitis, xerosis, icthyosis and other less

the corneocytes don't separate from common genetic disorders.

So how can you increase the amount of water in the stratum corneum to battle dry skin? There are two ways: pulling more water into the skin's surface or sealing in the water that is already present so that it cannot escape or evaporate from the surface of the skin. Skin care products that pull water into the stratum corneum contain ingredients called humectants. These products replace the skin's NMF, which naturally depletes over time. Common humectants found in moisturizers include and mortar structure. lactic acid, propylene glycol and urea.

On the other hand, skin care products that seal in the skin's water are called emollients and occlusives. Emollients, such as lanolin, are fatty substances used to enhance the mortar between the protein bricks of the stratum corneum. Meanwhile, occlusives, such as mineral

slippery and oily, leaving a film on the skin's surface to prevent water loss.

Recent advancements in the understanding of skin moisturization place an. emphasis on the skin's lipid ratios and acid (pH) levels, which are optimized in order to imitate healthy skin. These prescription and non-prescription advanced moisturizers, known as barrier repair creams and lotions, as well as soap-free barrier repair cleansers, help to preserve the skin's natural brick

There are many very effective ingredients found in today's most beneficial moisturizers. Hyaluronic acid, which is the major ingredient in fillers such as Restylane®, Perlane® and Juvederm®. acts like a sponge to pull in water from the environment.

In need of exfoliation? Try a product oil, dimethicone and petrolatum, are with salicylic acid or retinol. Redness?

Look for a moisturizer with niacin. Ascorbic acid (vitamin C), tocophervl acetate (vitamin E), ferrulic acid and ubiquinone are antioxidants that provide protection from potentially damaging ultraviolet radiation and pollution. Additionally, vitamin C encourages collagen formation, while Ethocyn® increases skin elasticity by stimulating increased formation of elastin fibers.

Ask your dermatologist to help you understand which moisturizing options are best suited for your particular skin's level of dryness and do your best to incorporate them into your regular routine.

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