

## Oxygen Rx Treatment



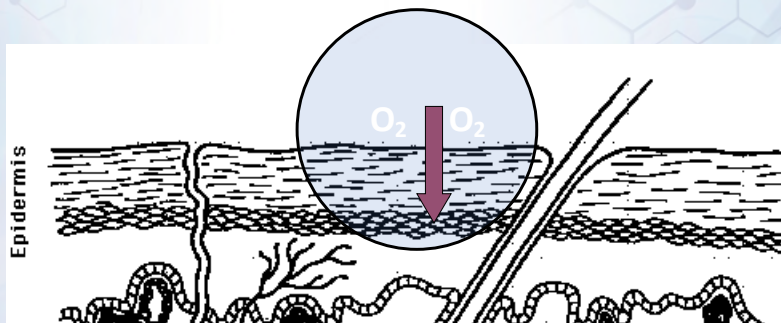
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## What Oxygen Does in the Skin.

1. Reduces Edema
2. Inhibits lipid peroxidation
3. Enhances antibacterial activity
4. Stimulates fibroblast activity
5. Affects vascularization.

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## The Oxygen Barrier



*The stratum corneum*

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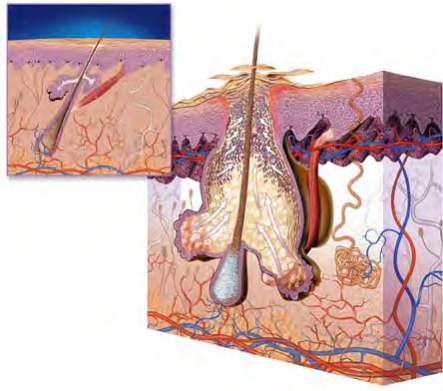
## Available Forms of Oxygen

1. In a pressurized tank as a gas
2. In a liquid
3. In a cream, or gel as hydrogen peroxide
4. Solid state, generated in situ

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## Oxygen Use in Acne

- As a bactericidal agent. Propionobacterium acne is major organism in acne.
- The major acneic bacteria are anaerobic.
- They are found deep in the follicle.
- They are highly vulnerable to oxygen
- Extractions



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## Oxygen Use in Rosacea

- Vasoconstricting – Reduces Redness
- Demadex mite reducer
- Anti-bacterial
- Increases skin function stimulating endothelial cells to make new blood vessels.

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## Oxygen use in aging

The presence of oxygen makes the skin firmer.

Stimulates fibroblasts to produce more collagen in the dermis

Breaks the bonds that hold the cells together - proteolytic oxidation.

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## Oxygen Rx Treatment



**Step 1A-** Deionized Water (Gel)

**Step 1B –** Magnesium Peroxide (Powder)

**Step 2-** Enzyme Activator- Enzymatic Catalyst that splits oxygen and Water(Spray)

**Step 3-** PH Equalizer-Quenches out oxygen before creating damage

**Step 4-** Citric Spray- Rebalances pH of skin

Pro Tip: The Circadia Oxygen is great following a light exfoliation.

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## Oxygen Rx Treatment



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## SWiCH™ Dermal Rejuvenation System



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## SWiCH™ Dermal Rejuvenation System

- SWiCH is based on a physiological principal of inducing the natural repair system of the skin to become active.
- Activation of the repair system can then effect a restoration of both sun damaged skin and intrinsic skin aging changes.
- Simple to apply, easily tolerated, and no downtime.

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## Why does the Skin Need Energy?

Epidermis- basal stem cell division, cellular communication, langerhan cell immune defenses to name a few.

Dermis- fibroblasts produce structural and support proteins and other important molecules.

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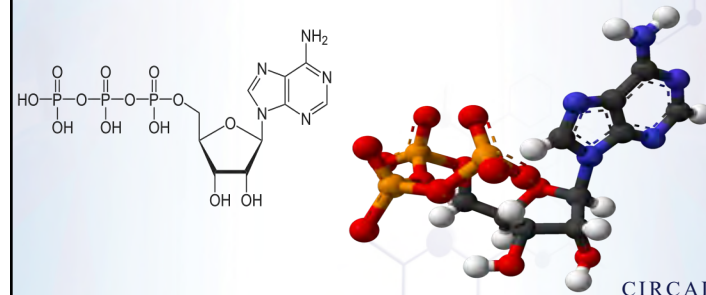
## Energy requirements for the dermis

- Most energy utilized by skin occurs here, due to blood content and the oxygen in the blood
- Production of connective proteins collagen, elastin, laminin 5, fibronectin, and polysaccharide, hyaluronic acid.

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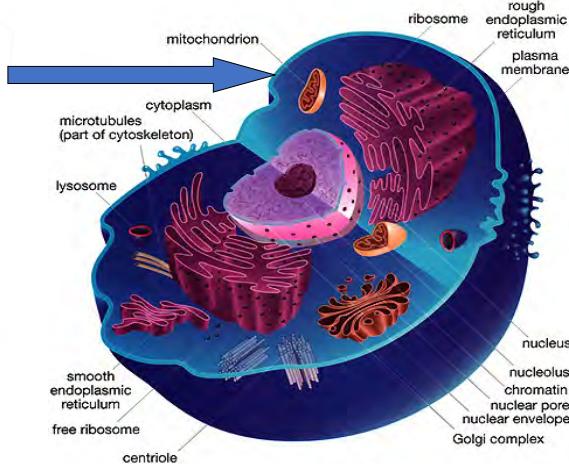
## ATP

Adenosine triphosphate, molecular currency, is the source of energy that is used in metabolic processes including, biosynthetic reactions, mobility, and cell division.



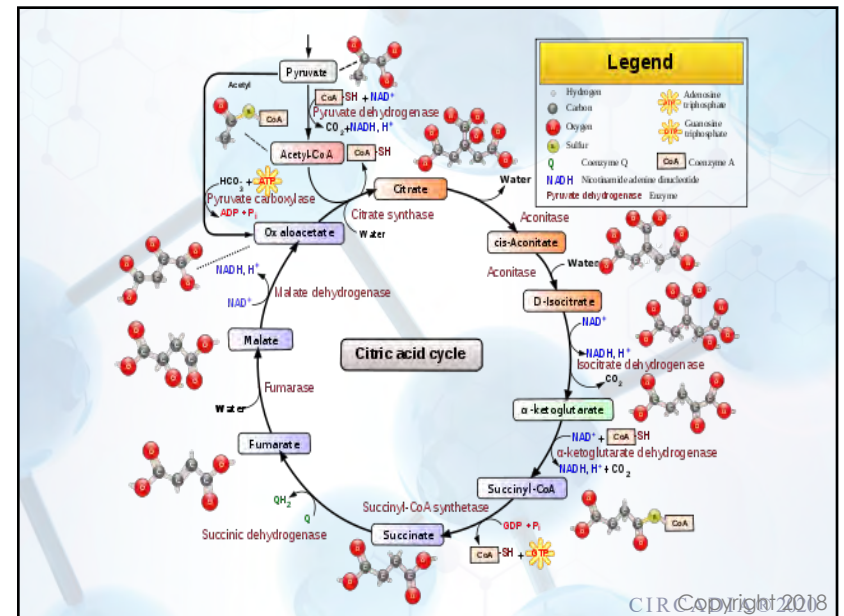
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Mitochondria need glucose from food and oxygen that we breath, which is a by product of photosynthesis



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The two main ingredients in the SWiCH™ solution are two of the Krebs Cycle intermediates.

- Pyruvic acid
- Succinic acid

Using these two components will accelerate the action of the cycle and produce more ATP.

Amounts and penetration are critical to success.

The solution reaches deep into the skin without damaging the epidermis.

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## SWiCH™ Dermal Rejuvenation System

### Indications:

Aging, Mature, Hyperpigmentation

### Contraindications:

Allergy to aspirin/citric acid, pregnant/Nursing, Accutane use within past year, younger skins, Retinol/Glycolic (Have client pull off for 2 weeks), Oily, Acne, Rosacea

### Benefits-

- Activates the body's natural repair and renewal system
- Initiates increased cell-to-cell communication
- Promotes healing and immune defense
- Supports increased energy production in dermal and epidermal cells

**For best results, put client on a series of at least 3 treatments. Treatment can be done every 28 days**

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## SWiCH™ Dermal Rejuvenation System

### Product in treatment kit :

**Hydrating Cleanser-** A light, manual exfoliant designed to remove surface protein to prepare the skin for the SWiCH Dermal Rejuvenation System

**EpiPrep-** A keratolytic solution to enhance penetration

**Cellular SWiCH Solution-** Alpha-Keto Acids designed to stimulate cellular energy (ATP)

Key ingredients:

**Pyruvic Acid-** Accelerates ATP  
**Succinic Acid-** Accelerates ATP

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## SWiCH™ Dermal Rejuvenation System Homecare

**Vitamin Veil Cleanser-** Gentle Lipid Based Cleanser with Healing, soothing and repairing properties

**Soybean Oil-** Contains anti-aging peptides

**Cranberry Oil-** rich in Vitamin E, Antioxidants and Anti-Glycation

**Seabuckthorn Oil-** Nourishes, Regenerates, Restorative

**Tocopherol (Vitamin E):** antioxidant, protects cellular membranes from free radicals

**Fraction V-** Post peel lotion that assists in accelerated cellular energy, cellular repair and healing

**EUK 134-** Mimetic of superoxide dismutase and catalase enzymes; scavenges superoxide

**Pepha-active(Microalgae extract)-** Protects and stimulates mitochondria by increasing ATP levels

**Lipochroman 6(Dimethylmethoxy chromanol)-** Scavenger of reactive oxygen and reactive nitrogen species that protect cells from damage

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# SWiCH Dermal Rejuvenation by Circadia



• 3 Treatments for scar revision

• 6 Treatments

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