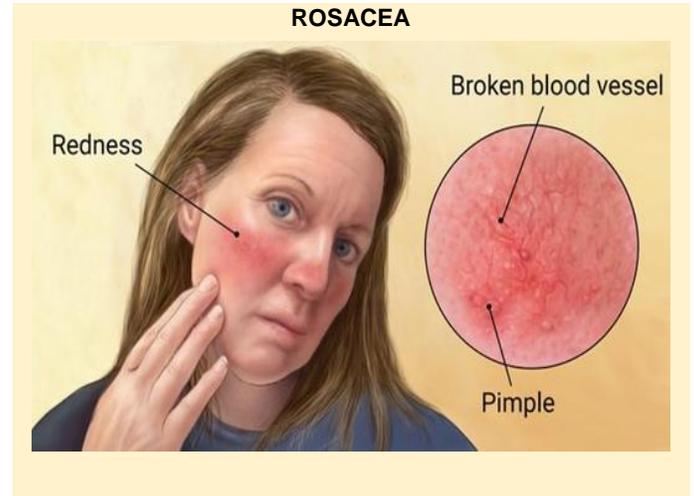


## ROSACEA

There are over 3 million cases of Rosacea reported in the US each year. Over 415 million people worldwide suffer from this disorder classified as a vascular condition. The interesting fact is that many Rosacea patients do not know that they have the disorder!

The exact cause of rosacea has not been determined, although there are several theories ranging from immune system issues to genetics to topical irritation by the demodex mite.

Rosacea is recognized by the presence of redness, flushing, telangiectasia's (dilated capillaries) and dependent on the subtype, papules, pustules, and nodules, and even invasion to the eye.



### Contributing Factors

There are many factors for flare-ups of rosacea. Erythema is the medical term for superficial reddening of the skin, as a result of injury or irritation causing dilation of the capillaries.

We tend to think of poor circulation as varicose veins or a yellowish tint to the skin. It all comes back to a lack of oxygen. So, what does this have to do with the skin? Because the skin is the largest organ, and is made up of cells, it has to receive nutrients and oxygen.

Factors that are found to contribute to vascular degeneration:

- Lifestyle choices (this is very broad, but essentially means unhealthy choices),
- Essential fatty acid (EFA) deficiency
- Excessive alcohol consumption
- Smoking
- Vitamin C oxidation
- Certain foods and medications cause vasodilation having an effect on the micro-circulatory system with prolonged use.
- Veins and arteries that are constantly stretched lose elasticity.

**To reverse the vascular degeneration the clinician must improve circulation.**

**It is important to start by improving the skin barrier system first which allows you to re-build strength.**

**Peptides that help improve the skin's barrier:**

**PEPTI** -repair, **PEPTI**-pro-col, and **Rejuvenator**

- **PEPTI**-repair: a peptide messenger discovered from proper rebuilding of the skin's dermal matrix
- **PEPTI**-pro-col: helps stimulate collagen and fibrils on skin. It also includes caffeine that is an anti-inflammatory antioxidant and a vaso-restrictor used to reduce redness and puffiness.
- **Rejuvenator**: formulated with some of the same components found in mitochondria, (powerhouse of the cell) that produces energy. Cells need energy to reproduce.

