

## The Power of Vitamin A, the Science of Retriiderm™

Up to a person's early to mid 20's, the skin's production, repair and protective mechanism work dynamically, but as we age beyond this it starts to work less well and gets progressively worse as the years progress. Retinoic acid (RA), or Tretinoin, has been shown in clinical studies to reduce the visible signs of ageing and photoageing, these signs include lines and wrinkles, uneven pigmentation, laxity and skin roughness.

Despite its efficacy, RA, which is prescription only, can cause skin irritation and there has been an increase in interest around the use of Retinol to treat aged skin. Retinol, a bio-available form of Vitamin A, which is naturally taken in and used by the body, converts to RA in the skin and causes less skin irritation; there is a good evidence base for the use of Retinol, however the uptake of the Retinol into the tissue is the major challenge for skincare formulations.

In recent studies by renowned US Dermatologists Dr Michael Gold, Dr Vivian Bucay and Dr Leon Kircik the efficacy of the **NEW** and **UNIQUE Retriiderm™ Retinol Protein Rich Serum**, an advanced and patent-pending oil-free formulation was tested. The studies looked at the clinical improvements in photo-damaged skin achieved following the use of the Retriiderm™ 1.0% Retinol formulation with a more extensive study to evaluate the effects of this same formulation with 0.5% Retinol.

In the initial open-label pilot study by Dr Bucay and Dr Kircik at two independent sites, patients were asked to apply the **Retriiderm™ Retinol 1% Protein Rich Serum** nightly for either 8 or 12 weeks. At 8 and 12 weeks the percentage of subjects that had improved by at least 1 grade on a 0-5 Dermatologist scale was:

- 100% for overall photodamage, crow's feet and lack of elasticity
- 90% for cheek wrinkles and lack of brightness
- 80% for mottled hyperpigmentation
- 70% for under-eye wrinkles and forehead wrinkles



A 58 year old female before (left) and after (right) treatment with retinol (1%) for 12 weeks. Photographs courtesy of Leon Kircik, MD.

In a follow up study by Dr Gold, 33 patients used either an active form of **Retriiderm™ Retinol 0.5% Protein Rich Serum** or were placed in a control group using the Retriiderm™ Protein Rich Serum with the exclusion of Retinol. In each group the product was used nightly for 8 weeks.

Whilst the control group showed no significant improvements over the course of the study, those using **Retriiderm™ Retinol 0.5% Protein Rich Serum** showed significant improvements from baseline at both 4 and 8 week assessments for:

- Hyperpigmentation
- Skin Laxity
- Tactile roughness
- Actinic or solar keratoses
- Telangiectasia (spider veins or thread veins)

Those using **Retriiderm™ Retinol 0.5% Protein Rich Serum** also demonstrated very good skin tolerability.



A 42 year old female before (left) and after (right) 8 weeks of treatment with retinol (0.5%) suspension. Photographs courtesy of Michael Gold, MD

The studies outlined above demonstrate the science and efficacy of **Retriiderm™ Retinol Protein Rich Serum** and how the protein-rich serum formulation containing collagen, elastin, hyaluronic acid and Vitamin E helps optimise the Retinols bio-availability in the skin.

When used as part of a step-up programme the daily use of **Retriiderm™ Retinol Protein Rich Serums** can significantly improve the visible signs of ageing and sun damage.

**Retriiderm™** is available in 3 strengths Retinol 0.5%, 0.75% and 1.0% Protein Rich Serum.

For more information on Retriiderm™ visit [dermocosmetica.com.au](http://dermocosmetica.com.au) or contact George Kypreos from Dermocosmética on 03 9412 0555