

# Pyratine XR Clinical Study Results Show Improvement in Rosacea and Wrinkles

By Bob Kronemyer, Associate Editor

Cytokinin, a proprietary plant growth factor, serves as the backbone of Pyratine XR, a skincare product from Senetek PCL (Napa, Calif.). Pyratine XR has been shown to provide anti-aging and antioxidant effects, as well as growth modulation.

"Rosacea patients, who tend to have sensitive skin, really tolerate this lotion or crème," said Arisa Ortiz, M.D., a resident physician in the department of dermatology at the University of California, Irvine. "This is a good moisturizing option for them."



**Arisa Ortiz, M.D.**  
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Dr. Ortiz was a clinical investigator of a 12 week study consisting of 21 patients (both male and female) with mild-to-moderate rosacea. Pyratine XR was applied twice a day, along with a cleanser before and a sun block during the day. At 12 weeks, there was roughly an 80% overall improvement in erythema, telangiectasia and lesion count. "There was also a 22% reduction in transepidermal water loss, as well as a significant reduction in dryness," Dr. Ortiz reported. Stinging and burning were also reduced.

"Since the results of this 12 week study were so promising we wanted to see if rosacea patients could tolerate use for a full year; therefore, we extended the study to 48 weeks," Dr. Ortiz said. Of the 21 patients, 16 completed the extended study. "Erythema was reduced by 44% and lesion count was reduced by 89%." Patients also achieved a dramatic reduction in telangiectasia, plus a continued significant reduction in transepidermal water loss.

Debra Jaliman, M.D., a dermatologist in private practice in New York City, N.Y., recently started using Pyratine XR herself. "I read about it in a cosmetic dermatology journal and I found it very interesting," Dr. Jaliman recounted. "I have a



**Debra Jaliman, M.D.**  
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lot of redness in my skin, in part because I've skied since I was a child. So I was curious if anything other than a laser would remove the redness. The clinical studies of Pyratine XR were compelling."

Dr. Jaliman applies the lotion once a day (in the morning), under make-up. "I started seeing results after four weeks. The redness in my skin was eliminated," she said. "I like that the product penetrates the skin and is not greasy so you can easily put make-up over it. Additionally, it is weightless on the skin – you don't feel anything at all."

At Dr. Jaliman's practice, Pyratine XR is dispensed for a variety of conditions including rosacea, sensitive skin that is irritated and red, acne and general anti-aging. "Studies indicate that both fine and coarse wrinkles benefit from use of Pyratine XR," she noted. The product's key ingredient, cytokinin (0.125% furfuryl tetrahydropranyladenine), also provides an anti-inflammatory effect and, according to some studies, vessel shrinkage. "Until now, the only modality that truly shrinks vessels is lasers. It is interesting that a topical can do the same. I think Pyratine XR will go hand in hand with lasers as some patients still have stubborn vessels."

Dr. Jaliman also believes that patients will embrace a natural growth factor like Pyratine XR. "People prefer not to have chemicals on their skin. They like natural ingredients." Moreover, this product provides "great moisture because it seems to protect the skin's barrier. A lot of the anti-aging products, such as Retin-A and glycolic acids, unfortunately dry out your skin."

"As a dermatologist, I see the most sensitive skin and I have yet to encounter a patient who has been unable to tolerate Pyratine XR," Dr. Jaliman added.



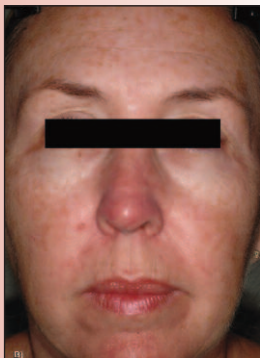
Before Tx



After 48 weeks of Pyratine XR Tx  
Photos courtesy of Debra Jaliman, M.D.



Erythema before Tx



Erythema after 12 weeks of Pyratine XR Tx  
Photos courtesy of Arisa Ortiz, M.D.