



PSYCHODERMATOLOGY

## NEW TRENDS IN NEURO-DERMATOLOGY

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Neuro-Dermatology is an important specialty that has many key factors.

The skin and brain age in similar ways. Both skin cells and brain cells develop from the same kind of embryonic tissue (ectoderm). A brain biopsy to detect brain tissue aging is impractical but a skin biopsy or oral swab is readily attainable and can provide an experimental model for aging research on the brain

Tau protein is present in all cells that we have analyzed and we even found them in basal cell carcinoma. Although its functions have been widely described in the neuronal cytoskeleton, now there is an “explosion” of Tau research in the cell nuclei and its interactions with chromatin. As in neurodegenerative diseases, we are looking for a different pattern of Tau expression in some diseases related with the CNS as in the case of neurodermatitis. The program of peripheral cells concerning protein expression and folding could go wrong in certain diseases and express nervous damage in non-neuronal tissues. I will highlight the research we have done on brain-skin connections, many of which are cutting-edge, recently published articles that have caught the attention of many neurology and dermatology researchers throughout the world.

I will also include ten tips to utilize in caring for Neuro-Dermatology patients. In addition, I will include new opportunities for those interested in Neuro-Dermatology to participate in Expert Resource Groups and educational programs to benefit our elderly patients.

