



**\*\* YOU CAN COMMENT IN SOCIAL NETWORKS WITH THE HASHTAG: #WCHR2019 \*\***

## **HIGHLIGHTS #WCHR2019 APRIL 25<sup>th</sup> 2019**

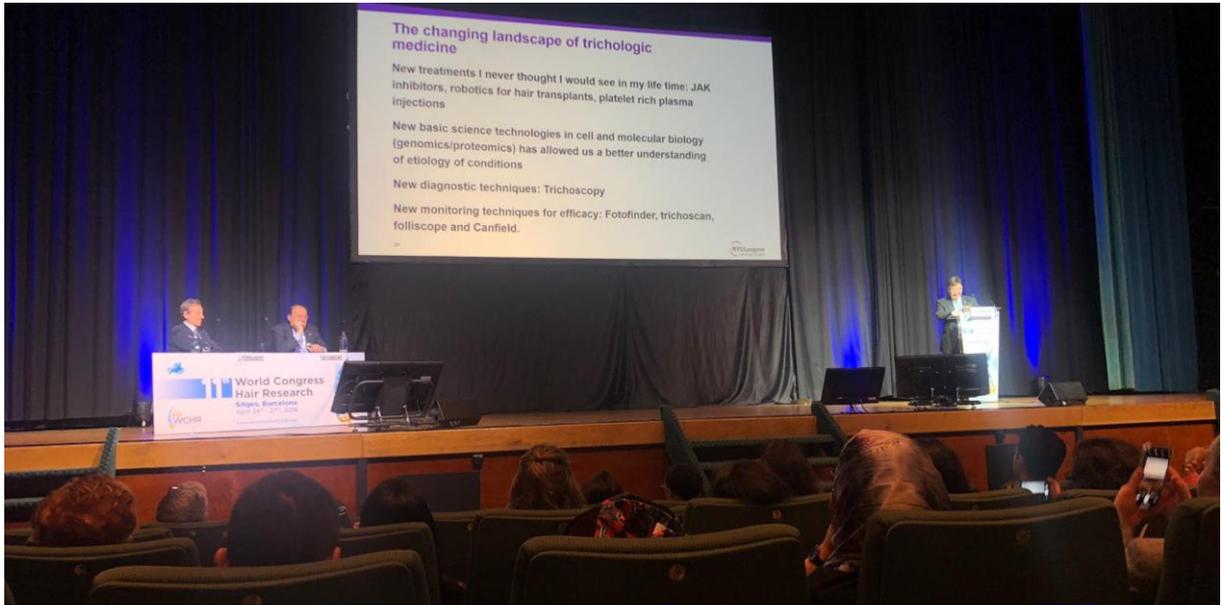
- Central centrifugal cicatricial alopecias: The recent findings of mutations in peptidylarginine deiminase 3 (PADI3) an enzyme that post-translationally modifies other proteins essential to hair shaft formation has been associated with CCCA (*Dr. Nezoa Dlova, cicatricial alopecias session*)
- In permanent chemotherapy-induced alopecia (pCIA), promoting PPAR-g signaling may provide an effective CIA-management strategy, and advocate the use of PPAR-g modulators, such as NACGED, as possible therapy for preventing permanent hair loss in chemotherapy-treated cancer patients. (*Dr. I. Piccini, cicatricial alopecias sessino*)
- The depletion of macrophages using genetic and pharmacological approaches induces hair growth by removing the source of the IL-6 family cytokine Oncostatin M, opening the possibility of treating human hair disorders characterized by arrested telogen follicles by targeting a cell type outside the hair follicle itself. (*Dr. Etienne C. E. Wang, auxiliary cells session*).
- Our results uncover a novel function of arrector pili muscle in bridging the body's sympathetic modulations to influence hair follicle stem cell activity. (*Dr. M. Gonzalez Celeiro, auxiliary cells session*).
- The Alopecia Density and Extent Score (ALODEX) is a new visual aid for assessing hair loss in alopecia areata that can track absolute hair loss and small changes in density that may otherwise go undetected with the SALT score. (*Dr. Elise Olsen, alopecia areata clinical session*).
- The expression levels of FGF7, IGF1 and WNT5a in plucked anagen hairs from male patients with androgenic alopecia were reversed by 5AR inhibitors under testosterone stimulation. (*Dr. T. Hatanaka, androgenic alopecia research session*)
- Aromatase mRNA levels were significantly lower in women with female pattern hair loss (FPHL) than in controls, suggesting a reduction in estrogen levels and an increase in the androgen/ oestrogen ratio in hair (*Dr. Ulrike Blume-Peytavi, FPHL session*)
- Oral 1mg minoxidil was safe and well tolerated in the treatment of FPHL. Its efficacy did not differ from topical 5% minoxidil solution. It can be an option for patients with poor compliance to topical therapy. (*Dr. P. Ramos, androgenic alopecia clinical session*)

- Retinoic acid enhances minoxidil response in androgenetic alopecia patients by up-regulating follicular sulfotransferase enzymes (*Dr. A. Sharma, androgenic alopecia clinical session*)
- WNT10A is as a critical ligand controlling adult epithelial proliferation and suggest downstream  $\beta$ -catenin pathway activation as a possible approach to ameliorate hair growth defects in patients with WNT10A variant isoforms or mutations. (*Dr. Sarah E. Millar, stem cells session*)
- PPAR $\gamma$  modulators and therapeutic restoration of the bulge immune privilege are particularly promising approaches in future scarring alopecia management. (*Dr. Ralf Paus, stem cells session*)
- Trichoscopy definitely improves the quality of care of patients with alopecia and reduce the necessity of taking scalp biopsies. (*Dr. Antonella Tosti, trichoscopy session*)
- Trichoscopy may be of major significance in examining treatment efficacy, it has the potential of serving as a prognostic tool for hair regrowth, and it should become a sine qua non tool for clinical trials in hair diseases, and maybe for validation of cosmetic products, which are designed to improve hair regrowth. (*Dr. Lidia Rudnicka, trichoscopy session*)
- We designed and validated a trichoscopic activity scale for folliculitis decalvans that can be used in clinical practice and future research. The presence of perifollicular pustules, extens perifollicular erythema, yellow tubular scaling, yellow crusts and yellow interfollicular scales were associated with disease activity. (*Dr. David Saceda, trichoscopy session*)
- STX17 plays a role in melanogenesis and that disruption of this pathway may increase immune activation, serving as a catalyst for alopecia areata autoimmune attack on the hair follicle in genetically susceptible individuals. (*Dr. S. O Erjavec, hair graying pigmentation session*)
- “After the evaluation of 100 female patients with telogen effluvium, we could observe three specific clinical patterns: half moon, triangle and band.” (*Dr. Daniela Guzmán, telogen effluvium session*)



## KEYNOTE LECTURE Dr. Jerry Shapiro

It was a pleasure to listen Dr. Jerry Shapiro talking about his experience about how to successfully run a hair clinic. We can summarize his advice in the three “A” ability, affability and availability. Congratulations Dr. Shapiro!!



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