

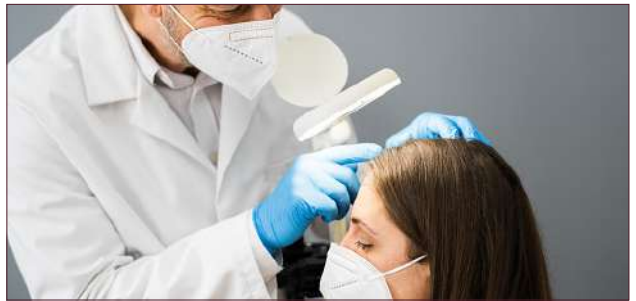
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# Scientific Tracks & Sessions

## March 14, 2022

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### ***Dermatology Summit 2022***



7<sup>th</sup> Global Summit on  
Dermatology and Cosmetology

March 14, 2022 | Webinar

## Acne | Allergy | Hair Rejuvenation | Wound Healing | COVID-19

### Session Introduction

Title: Treatment of acne vulgaris with blue light: A systematic review

**Mara Lúcia Gonçalves Diogo** | Universidade Nove de Julho | Brazil

Title: The impact of covid-19 pandemic on Dermatological conditions: A novel, comprehensive review

**Gehan Pendlebury** | Nova Southeastern University | USA

Title: Allergic contact dermatitis due to acrylates in nail polish

**Carolina Fernandez Quiroga** | Hospital Universitario Dexeus-IDERMA | Spain

Title: Combination therapy for hair rejuvenation

**Anahita vali** | Gita faghihi | Iran

Title: Management of atrophic Post-Acne scars

**Enas Attia** | Ain Shams University, VPS Healthcare | UAE

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## Treatment of acne vulgaris with blue light: A systematic review

**Mara Lúcia Gonçalves Diogo**  
Universidade Nove de Julho, Brazil

Acne is a dermatosis that affects almost 90% of the population of youth worldwide and its treatment is performed with retinoids, antimicrobials, acids, and topical or systemic antibiotics. Side effects such as skin irritation in addition to microbial resistance to antibiotics are the main side effects found. Phototherapy with blue light is being used as an alternative treatment. Our objective was to analyze the use of blue light to treat inflammatory acne. We conducted a systematic literature review, following the recommendation PRISMA (Preferred Reporting Items for Systematic Reviews and MetaAnalyses), including in the sample randomized clinical trial studies that compared blue light with another intervention as control. The research was carried out in the PUBMED and WEB of SCIENCE databases and the methodological quality of the studies evaluated were made by the Cochrane Collaboration Bias Risk Scale. After the exclusion of duplicates, the titles and abstracts of 81 articles were evaluated, and 50 articles were selected for full reading, including in the review at the end 8 articles. Studies

have shown significant improvements in the overall picture of acne. It is concluded that despite the great potential in its use in the treatment of acne, there is a need for more detailed trials on the effect of blue light on the treatment of inflammatory acne.

**Keywords:** Acne, photobiomodulation, LLLT (Low-Level Light Therapy), Phototherapy, LED (Light Emitting Diode), blue light.

### Speaker Biography

Mara Lúcia Gonçalves Diogo, doctoral student and master in biophotonics applied to health sciences at the Nove de Julho University, São Paulo, working in research on acne treatments with light. She is a specialist in dermatology by the Brazilian Association of Nursing in Dermatology (SOBENDE), 2007; Nurse at the Wenceslau Braz School of Nursing in ItajubáMG, in 1986. She has worked as a liberal professional in a dermatological medical office for 25 years and is a professor of postgraduate courses in nursing in dermatology and nursing in aesthetics in Brazil.

e: dermatomara3@gmail.com

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## The impact of covid-19 pandemic on Dermatological conditions: A novel, comprehensive review

**Gehan Pendlebury**

Nova Southeastern University, USA

**Background:** The earliest cases of the Coronavirus-19 (COVID-19) appeared in Wuhan, China, in December 2019. The World Health Organization (WHO) declared the COVID-19 outbreak as a global pandemic on March 11, 2020. Severe acute respiratory syndrome coronavirus 2 (SARSCoV-2) has become an international health concern. Since the onset of the pandemic, increasing cases of dermatological conditions continue to be reported and documented.

**Methods:** We conducted a literature search and utilized key terms to search for cutaneous manifestations related to the COVID-19 pandemic on PubMed. Publication dates were set from December 2019 to August 2021. We searched PubMed database for articles that discuss rashes related to PPE, psychological distress, and vaccines during the pandemic. Meta-analyses, systematic reviews, prospective studies, retrospective studies, topic reviews, case series, and case reports were included in the search.

**Results:** We retrieved 664 articles that were screened based on their title and abstract. Articles were excluded if they did not contain any of the key terms mentioned above in their title or abstract. Following the initial screening, meta-analyses, systematic reviews, prospective studies, retrospective studies, topic reviews, case series, and case reports were included.

**Conclusions:** Various factors surrounding the pandemic have resulted in increasing cases of dermatological

manifestations. Such factors include COVID-19 infection, COVID-19 vaccines, personal protective equipment, and psychological distress related to the pandemic. Psychological distress factors include impacts of quarantine, restricted measures, and major life changes. The number of cutaneous manifestations related to the COVID-19 pandemic is on the rise. As cases increase, dermatologists play an essential role in the diagnosis and treatment of these emerging conditions. Further research is needed to understand the underlying pathological mechanisms of the reviewed skin lesions. We recommend additional investigations on protective and risk factors on such skin lesions.

### Speaker Biography

Gehan "Gigi" Pendlebury is an aspiring military dermatologist and medical student at Nova Southeastern University, College of Osteopathic Medicine. ENS Pendlebury serves in the United States Navy Medical Corps Reserves as a Navy military medical student with a calling to serve current and past military service members with the utmost quality of care using a whole-person approach. ENS Pendlebury obtained her bachelor's degree in psychology with minors in public health and criminology from Rutgers, the State University of New Jersey. Her research background includes undergraduate research activities in public health and clinical psychology. Currently, her research has focused on interventional pain management, traumatic brain injury, post-traumatic stress disorder among the military population. She has presented research presentations in other areas of dermatology including an updated review of the impact of COVID19 on dermatological specialties and voriconazole-related squamous cell carcinomas. Further research interests include sunscreen usage among the military population.

e: [gigi.pendlebury@gmail.com](mailto:gigi.pendlebury@gmail.com)

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## Allergic contact dermatitis due to acrylates in nail polish

**Carolina Fernandez Quiroga**

Hospital Universitario Dexeus-IDERMA, Spain

Allergic contact dermatitis due to acrylates in nail polishes was described decades ago. However, the frequency has recently increased secondary to the use of permanent enamels. The commercialization of domestic use could produce an increase in these cases. It is important to spread prevention, make an early diagnosis for timely treatment.

### Speaker Biography

Carolina Fernández Quiroga is a doctor and has a degree in Bioimage Production from the University of Buenos Aires (UBA). She specialized in Internal Medicine and Dermatology at the UBA. She has completed multiple national and international training courses applied to Cutaneous Ultrasound, being the introducer of the application of this method in Argentina. She has also been a professor at the UBA, International Journal reviewer and has participated in many International Congresses.

e: [drafernandezquiroga@gmail.com](mailto:drafernandezquiroga@gmail.com)

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## Combination therapy for hair rejuvenation

**Anahita vali**

Gita faghihi, IUMS, Iran

**Methods:** Meta-Analysis (review of medical publication from 2005\_2021) & author's' personal experiences.

**Results:** Nowadays treatment of hair loss is a great challenge for patients and dermatologists both, because of multiple minimally invasive adjuvant methods which are available. Dermatologists should answer a very important question. In cases suffering from androgenetic alopecia, whole range of new technology are helpful. Based on mechanisms of action, we advise two to three carboxytherapy as first line, followed by PRP. Carboxytherapy increased oxygenation blood supply. PRP induces protein synthesis cell mitosis in hair follicles. After stimulation of the hair follicle ,preparation of essential elements & nutrients and more support are done by mesotherapy and hair fillers. During all of the treatment period LLLT is performed for best results.

**Conclusion:** Hair potentiation by new minimally invasive methods are possible if we use them consciously and after deep understanding of action mechanism & psychopathology of hair follicles. We proposed carboxytherapy as first line therapy, followed by PRP and finishing by mesotherapy for hair

filler. LLLT continuously advised, start before carboxytherapy and will continue after mesotherapy.

**Key words:** Platelet\_rich plasma, PRP, carboxytherapy, mesotherapy, Hair filler, LLLT, Quantum Therapy.

### Speaker Biography

Anahita vali is a professional dermatologist with more than 23 years of experience in treating patients and teaching medical students at the state university, she is now the founder of a dermatology-specialized clinic in Isfahan, Iran. Having perseverance and care in my job, sympathizing with the patients and getting involved in yoga and literature have made a flexible and committed personality from her. She often was among the first ranks both at the university and I have experience of performing cosmetic procedures on more than 4000. Participating in many workshops and membership in committees, academies and societies specialized in dermatology are among my other professional experiences. She has written 16 articles in Persian or English during the years of my teaching experience and she has supervised nine theses and was among jury members in 20 other theses. In addition she was among the writers of a book named "Comprehensive Textbook of Skin Surgery".

e: anahitavali1@gmail.com

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## Management of atrophic Post-Acne scars

**Enas Attia**

Ain Shams University, VPS Healthcare, UAE

Acne scarring is a frequent complication of acne. Scars negatively impact on psychosocial & physical well-being. Optimal treatments significantly improve appearance, QOL & self-esteem of affected people. A wide range of interventions have been proposed for acne scars. This presentation aimed to focus on facial atrophic scarring interventions. Early effective treatment of acne is the best strategy to prevent or limit post-acne scarring. Treating SAE is the gold-standard initial & dramatic step toward improving acne scarring. The management of acne scarring includes various types of resurfacing (chemical peels, lasers, dermabrasion); use of injectable fillers; and also, surgical methods, such as needling, punch excision, or punch elevation and subcision. There are limited RCTs to determine which should be the gold standard treatment against which other treatments. Future studies should include combined therapies versus placebo. Trials should include a power calculation and recruit sufficient participants.

Participants, clinical investigators and outcome assessors should be blinded to the treatment allocated. Trials should collect baseline variables (participant demographics, acne lesions and extent, skin phototype, scar duration, and depth of scars) to ensure that they are balanced.

### Speaker Biography

Enas Attia has completed her MD degree and is currently professor of dermatology and venereology in faculty of medicine, Ain Shams University, Cairo, Egypt. Professor Attia has more than 20 years' experience in the field in Egypt and Gulf region (Kuwait, Qatar, Oman and UAE). Currently, Dr. Enas is senior consultant Dermatology in VPS Healthcare medical facilities in Al Ain, UAE. Professor Enas Attia is also an eminent researcher and published tens of papers in reputed international journals and contributed to well-known reference books in the field; the latest is atlas of dermatology, dermatopathology and venereology. In addition, professor Attia has been serving as a reviewer and editorial member for several regional and international medical journals.

e: annosah1974@yahoo.com

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