

## Emerging Innovations in the Field of Dermatology and Cosmetology

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Dermatology is the branch of medicine dealing with the skin. It is a speciality with both medical and surgical aspects. A dermatologist is a specialist doctor who manages diseases related to skin, hair and nails and some cosmetic problems. Cosmetology is the study and application of beauty treatment. Branches of specialty include hairstyling, skin care, cosmetics, manicures/pedicures, non-permanent hair removal such as waxing and sugaring, and permanent hair removal processes such as electrolysis and intense pulsed light. Cosmetologists are trained and licensed to perform cosmetic treatments to the hair, skin, and nails. This can be expanded into multiple parts including cutting and chemically treating hair, chemical hair removal, fashion trends, wigs, nails and skin care, skin and hair analysis; relaxation techniques including head, neck, scalp, hand and feet basic massage and aroma therapies; plus ability to expertly apply makeup applications to cover or promote and can expand into further specialties such as reflexology; theatrical applications; cosmetics and others as listed below. A hair color specialist, or hair colorist, specializes in the modification of natural hair color utilizing various application methods while using a colorant product from a professional company. In the US, some colorists are qualified through the American Board of Certified Hair Colorists. This designation is used to recognize colorists that have a greater level of competency in the industry through a written exam and a practical exam. A hair color specialist's duties might include, but are not limited to, basic color applications, like covering grey, and lightening or darkening natural hair color. A color specialist is also able to perform corrective color applications and create special effects using foiling techniques or any other advanced color application methods. Dermatologists have been leaders in the field of cosmetic surgery. Some dermatologists complete fellowships in surgical dermatology. Many are trained in their residency on the use of botulinum toxin, fillers, and laser surgery. Some dermatologists perform cosmetic procedures including liposuction, blepharoplasty, and face

lifts. Most dermatologists limit their cosmetic practice to minimally invasive procedures. Despite an absence of formal guidelines from the American Board of Dermatology, many cosmetic fellowships are offered in both surgery and laser medicine. A dermatopathologist is a pathologist or dermatologist who specializes in the pathology of the skin. This field is shared by dermatologists and pathologists. Usually a dermatologist or pathologist will complete one year of dermatopathology fellowship. This usually includes six months of general pathology, and six months of dermatopathology. Alumni of both specialties can qualify as dermatopathologists. At the completion of a standard residency in dermatology, many dermatologists are also competent at dermatopathology. Some dermatopathologists qualify to sit for their examinations by completing a residency in dermatology and one in pathology. Trichology specializes in diseases, which manifest with hair loss, hair abnormalities, hypertrichosis and scalp changes. Trichoscopy is a medical diagnostic method, which is used by dermatologists with a special interest in trichology. Physicians can qualify for this specialization by completing both a pediatric residency and a dermatology residency. Or they might elect to complete a post-residency fellowship. This field encompasses the complex diseases of the neonates, hereditary skin diseases or genodermatoses, and the many difficulties of working with the pediatric population. Top Emerging Trends In Dermatology: The world of dermoscopy is rapidly evolving as intelligent dermatology software, tools, and innovations flood the market. Read on to discover the 5 innovations dominating the industry and how they will enhance the way you provide your services. AI-Fueled Clinical Decision Support Tools : It is no surprise that at the top of the list is (AI) artificial intelligence in dermatology. Through continuous breakthroughs in big data, intelligent dermatology software is already offering limitless applications in the areas of predictive analytics, personalized healthcare and clinical decision support tools.