



Innovations, Ethical Issues, and Market Dynamics in Aesthetic Dermatology

Estetik Dermatolojide Yenilikler, Etik Sorunlar ve Pazar Dinamikleri

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Dear Editor,

Aesthetic dermatology has rapidly become a burgeoning field in recent years, driven by technological innovations and increasing patient demand. This growth is supported by the development of innovative treatments aimed at improving skin health and appearance. Botulinum toxin and dermal fillers have emerged as effective tools in reducing signs of aging (1,2). Laser treatments, stem cell and exosome therapies, and chemical peels play crucial roles in skin rejuvenation, scar treatment, pigmentation correction, and addressing hair issues (3,4). These procedures, being minimally invasive, appeal to a broad patient base and contribute to making aesthetic dermatology services more accessible.

The market share of the aesthetic dermatology sector has significantly increased in recent years. This rise is linked to both technological advancements and the growing demand for aesthetic procedures. The popularity of minimally invasive procedures, in particular, attracts a wider patient demographic. This trend enhances the accessibility of aesthetic dermatology services and contributes to market expansion. The global aesthetic market reached billions of dollars in the 2020s, with expectations for continued growth in the coming years. This growth is fueled by the development of new technologies and the increasing societal acceptance of aesthetic procedures.

However, the rapid advancements in this field also bring ethical and safety concerns. Notably, unauthorized “back-alley” practices pose serious health risks. Such procedures can lead to infections, allergic reactions, and permanent damage. The rise of these unauthorized practices endangers patient safety and tarnishes the reputation of the aesthetic dermatology field. Therefore, aesthetic dermatological procedures should only be performed by trained and certified specialists.

Moreover, it is crucial for practitioners outside the field to refrain from performing aesthetic dermatological procedures. Such practices can jeopardize patient safety and lead to undesirable complications. Aesthetic dermatology requires specialized knowledge and experience, and thus should only be conducted by professionals who have specialized in this area. When practitioners outside the field perform these procedures, it not only risks patient safety but also violates professional ethical standards.

Continuous education and certification processes for dermatology specialists working in aesthetic dermatology are critical for ensuring patient safety and enhancing the effectiveness of treatments. Educational programs facilitate the integration of new technologies and treatment methods, while certification processes ensure that practitioners meet specific standards. These processes also help prevent unauthorized practices.



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The future of aesthetic dermatology depends on balancing innovative treatments with ethical standards. Innovations in aesthetic dermatology focus on minimal invasive and regenerative approaches to achieve natural and healthy results. Innovative filler applications that enhance skin hydration and treatments supporting cellular regeneration are at the forefront. Technologies such as energy-based skin tightening and light therapy help boost collagen production, aiding skin rejuvenation. Additionally, artificial intelligence enables personalized treatments, while laser technologies improve the effectiveness of drug delivery beneath the skin. This balance will enhance patient satisfaction and uphold the field's integrity (5). More innovations and developments are expected in the future of aesthetic dermatology. Particularly, personalized treatment approaches and the integration of new technologies will improve the effectiveness and safety of procedures. Additionally, strengthening aesthetic dermatology will contribute to preventing unauthorized practices and ensuring patient safety.

The increasing acceptance of aesthetic dermatology procedures in society also influences cultural norms and perceptions of beauty. Media and social media platforms boost the popularity of aesthetic procedures and drive demand in this field. This trend facilitates the reach of aesthetic dermatology services to broader audiences while also impacting the evolution of beauty standards. However, the importance of ethical and responsible practices becomes even more critical in this process. Raising public awareness and providing accurate information are crucial for ensuring that aesthetic dermatology procedures are conducted safely and ethically.

The growth of the aesthetic dermatology sector also has significant economic impacts. Innovations in this field create new job opportunities and increase employment in the healthcare sector. Additionally, the widespread adoption of aesthetic procedures enhances individuals' self-confidence, positively affecting their social lives. However, for this growth to be sustainable, it is essential to maintain ethical standards and prioritize patient safety.

Conclusion

In conclusion, aesthetic dermatology holds great potential both scientifically and commercially. However, realizing this potential fully requires the meticulous application of ethical and safety standards. This approach will enhance patient satisfaction and ensure the long-term success of the aesthetic dermatology field. This guidance can contribute to future studies by providing direction.

Keywords: Aesthetic dermatology, ethics, marketing

Anahtar kelimeler: Estetik dermatoloji, etik, pazarlama

Ethics

Footnotes

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References

1. Carruthers JA, Carruthers JD. Botulinum toxin type A: History and current cosmetic use in the upper face. *Semin Cutaneous Med Surg.* 2003;22(2):71-84.
2. Funt D, Pavicic T. Dermal fillers in aesthetics: An overview of adverse events and treatment approaches. *Clin Cosmet Investig Dermatol.* 2013;6:295-316.
3. Alster TS, Tanzi EL. Laser surgery in dermatology: Current status 2003. *Am J Clin Dermatol.* 2003;4(8):523-537.
4. Rubin MG. *Chemical Peels.* Elsevier Health Sciences; 2008.
5. Da Prato EB, Cartier H, Margara A, Molina B, Tateo A, Grimolizzi F, Spagnolo AG. The ethical foundations of patient-centered care in aesthetic medicine. *Philos Ethics Humanit Med.* 2024;19(1):1.