

# Annals of Dermatological Research

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Research Article

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## [Dermatomycoses in Pakistan; an urgent need for National Surveillance Programs](#)

Despite the rising burden of fungal infections across the globe, the World Health Organization's efforts remained questionable in fungal infection-related projects. Most of the developing countries consequently lost focus on the need for assessment and establishment of national surveillance set up or advanced technology hubs against mycological infections. The current study aimed to the determination of the local burden of cutaneous fungal infections in 2019-2021. Among 497 suspected fungal cultures, 22.5% depicted fungal growth. Among males, the prevalence of dermatomycosis was 0.75 times higher than in females. *Penicillium* species followed by *Epidermophyton* and *Candida* species were common among subjects of < 30 years of age. The *Aspergillus* spp, *Penicillium* spp, mucormycosis agents, and *Candida albicans* infections were more common among subjects 30 to 60 years of age. *Aspergillus* species were more commonly observed among patients > 60 of age. 22.2% of the fungal infections were *Penicillium* species, 9% of the infections were *Aspergillus* species, followed by 4.4% of *Epidermophyton*, mucormycosis, *Candida* species, and *Candida albicans* respectively. There is an urgent need for the establishment of national policy for the prevention of fungal disease.

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Procedures

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## [Lip filler with hyaluronic acid - Light Lips Technique](#)

The lips and perioral region play an important role in facial aesthetics. Aging induces a loss of volume and contour of the lips, a flattening of the cupid's bow, and the appearance of perilabial wrinkles. Thus, aesthetic procedures are common in this area because fillers can reduce these alterations, improving facial harmony. Although the application of the fillers is based on some systematized framework, undesirable results could occur. The Light Lips Technique is a method that applies a very small amount of small-particle hyaluronic acid, only 0.4 ml, to six specific points of the lips. The objective of the technique is to provide lifting of the labial commissures, highlighting some labial points, such as the Glogau-Klein points of the cupid's bow and its equivalent points on the lower lip. After the application of this technique, it is possible to observe an improvement of the lips with very natural-looking results.

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Research Article

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## [Antimycolytic agents: fungistatic and fungicide](#)

Invasive fungal infections are described as a continuous and severe harm to human health and they are associated with at least 1.5 million deaths worldwide each year. Amphotericin B exerts its activity through hydrophobic interactions with cell membrane ergosterol, cause the rupturing or leakage of cell membrane. The antifungal azole medicine group is classified as imidazoles (clotrimazole, ketoconazole, miconazole) and triazoles (fluconazole, itraconazole, voriconazole, posaconazole, isavuconazole) that are named according to the number of nitrogen atoms in the azole ring. Flucytosine is a first-line treatment for the management of cryptococcal meningitis. The most routine adverse effects of fluconazole involve accelerated liver enzymes, gastrointestinal complaints, headache, and skin rash. If antacids, PPIs, H2 blockers administered together with ketoconazole medicines; they will reduce the blood levels of ketoconazole by increasing gastric pH because ketoconazole requires an acidic media for dissolution and systematic absorption. Griseofulvin ruptures mitotic spindle during metaphase by interacting with fungal microtubules(-), fungal mitosis (metaphase arrest), adequate to block expansion of fungi (drug is static), preventing them from damaging.

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