
RESULTS

Out of 106 cases with clinical evidence of tinea capitis, 84 cases (79.24%) had positive fungal culture that revealed the presence of *T. violaceum*. The incidence of infection in relation to age, sex and habitat are summarized in tables 2-3. Comparison of direct microscopic examination and culture in diagnosis of tinea capitis is demonstrated in table 4.

Trichophyton violaceum (Sabouraud, 1902) :

Direct microscopic examination :

Hairs : Endothrix spore invasion, the hairs were so full with chains of spores (4 - 6 U), seemed to burst. Skin scrapings showed septated mycelia.

Culture : as shown in Fig. 6.

The young colonies were waxy, creamy, then turned to lavender, lastly developed deep bluish red colour. The colony was wrinkled, heaped up or verrucous, old cultures were downy and paler in colour.