ห้ามมิให้นำบทคัดย่อวิทยานิพนธ์ภายในกรอบสีเขียวนี้เพียงแผ่นเดียว

C745353 : MAJOR MEDICINE (Dermatology)
KEY WORD: ONYCHOMYCOSIS / PERIODIC ACID SCHIFF STAIN

KANYARAT KRIVICHIAN : PERIODIC ACID SCHIFF STAIN WITH KOH FOR DETECTION OF FUNGUS IN NAIL PLATE. THESIS ADVISOR : ASSO.PROF. NOPPADON NOPPAKUN, M.D. THESIS CO-ADVISOR : ASSO.PROF.KAWEE PUPAIBOOL 43 PP. ISBN 974-634-977-5

This study was to compare the result of KOH preparation, culture and histological examination from one hundred nail plates clipping in detection of the fungus in the nail. We used 10% KOH with DMSO (dimethyl sulfoxide) to soften the nail plate before proceeded by routine histological examination.

KOH preparation is positive in 30%. Culture is positive in 25%. Histological examination of nail clips is positive in 53%.

The comparison between the result of KOH preparation and culture, and histological examination to detect the fungus in the nail plate depicted that KOH preparation and culture is positive in 43%,Histological examination is positive in 53%. Identification of the type of organism by this histological method correlates well with the results of the culture.

This is a useful, simple, rapid, inexpensive and non-invasive method for detection the fungus in infected nail. Moreover it can improve the percentage of diagnosis of onychomycosis.

ภาควิชา MEDICINE ลายมือชื่อนิสิต

สาขาวิชา MEDICINE (Dermatology) ลายมือชื่ออาจารย์ที่ปรึกษา

ปีการศึกษา 2539 ลายมือชื่ออาจารย์ที่ปรึกษาร่วม