

Look for:

Adult patients with clinical diagnosis of Mild-to-Moderate subungual onychomycosis (DSO) affecting at least one great toenail. Determine by Severity index (OSI), see below.

Mainly: max 50% involvement, not proximal, width of the nail is <2mm (see OSI below).



Onychomycosis Severity Index (OSI)

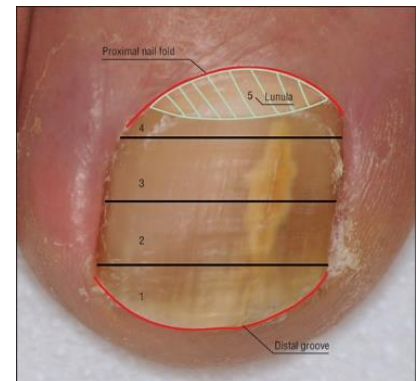
(1-5 points) Area of involvement	OSI Score Mild = <=5 Moderate = 6 -15 Severe = 16 - 35
X	
(1-5 points) Proximity of disease to the matrix	
+	
10 points (if a longitudinal streak or a patch (dermatophytoma)	
+	
10 points (if nail is >2 mm thick).	

1. Area of involvement (%)

- 1 point for 1% to 10% of the nail,
- 2 points for 11% to 25%,
- 3 points for 26% to 50%,
- 4 points for 51% to 75%,
- 5 points for > 75%

2. Proximity of disease to the matrix (white/pink area)-amount involvement from the distal edge

- 1 point - <1/4
- 2 points 1/4- 1/2
- 3 points - >1/2- 3/4
- 4 points - >3/4
- 5 points - matrix involvement includes lunula involvement or disappearance of leading edge under the proximal nail fold



3. + 10 points - Presence of severe subungual hyperkeratosis (nail thickness >2 mm)

4. + 10 points - Existence of dermatophytoma (lines or patches)-see picture below.



Examples of dermatophytoma. A, Yellow patch. Note that the borders of the patch are not contiguous with the distal edge. B, Large yellow patch. C, Yellow streaks

Example OSI Score on Real Nails



A. This nail receives a score of 4.

2 (for area of involvement) \times 2 (for proximity of disease to the matrix) = 4. No dermatophytomas or hyperkeratosis is present. This nail has mild involvement.

B. This nail receives a score of 3.

1 (for area) \times 3 (for proximity of disease to the matrix) = 3. This nail has mild involvement.

C. The great nail receives a score of 12.

3 (for area) \times 4 (for proximity of disease to the matrix) = 12. No dermatophytoma or hyperkeratosis is present. This nail has moderate involvement.

D. The great nail receives a score of 15.

1 (for area) \times 5 (for proximity of disease to the matrix owing to matrix involvement) = 5. A lateral streak is present for an additional score of $10=5+10=15$. This nail has severe involvement.

E. The right great nail receives a score of 35.

5 (for area) \times 5 (for proximity of disease to the matrix owing to matrix involvement) = 25. Thick subungual hyperkeratosis is present, 10 points, for a total $25+10=35$. This nail has severe involvement.