NORMAL SONOGRAPHIC ANATOMY OF THE NAIL

DP-DORSAL PLATE    VP-VENTRAL PLATE    M-MATRIX
DPH-DISTAL PHALANX BONEY MARGIN
IMAGING PARAMETERS

LINEAR ARRAY  14-18 MHZ
3D ARRAY      15-17 MHZ

DOPPLER
COLOR, POWER, SPECTRAL
SURFACE FOCUSING CAPABILITY
NORMAL ANATOMY

- Proximal nail fold
- Lunula
- Distal groove
- Proximal matrix
- Distal matrix
- Nail bed
- Hyponychium
NORMAL BLOOD FLOW WITHIN THE NAIL BED
SUBUNGUAL ABCESS

* = FLUID COLLECTION IN DORSAL ASPECT
NAIL PSORIASIS

THICKENED NAIL BED WITH IRREGULAR VENTRAL PLATE
SEVERE NAIL PSORIASIS

THICKENING WITH LOSS OF VENTRAL PLATE & WAVY DORSAL PLATE
SEVERE NAIL PSORIASIS

INCREASED COLOR DOPPLER FLOW IN THE NAIL BED
SUBUNGUAL EXOSTOSIS

EXOSTOSIS (E) ELEVATES NAIL PLATE   NB-NAIL BED   M-MATRIX
SUBUNGUAL GRANULOMA

THICKENED NAIL BED     IRREGULAR NAIL PLATE AND BONEY MARGIN
MYXOID CYST

DIP – DISTAL INTERPHALANGEAL JOINT

CYST EROSION AND REMODELLING OF ADJACENT BONE CORTEX
GLOMUS TUMOR

LESION SHOWS IRREGULAR INTERNAL ECHO PATTERN
GLOMUS TUMOR
BLOOD FLOW