

# Benign tumors and pseudotumors of the Nail: A novel application of sonography

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**Objective.** The purpose of this study was to determine the scope of high-resolution sonography in the detection of benign tumors and pseudotumors of the nail unit. **Methods.** We performed a retrospective study of the sonographic findings in 103 consecutive patients with benign tumors and pseudotumors of the nail that were medically derived and confirmed histologically. **Statistical analysis (Student t test)** was performed comparing clinical and sonographic diagnoses. **Results.** Common benign tumors and pseudotumors of the nail can be detected on sonography, and they present different sonographic morphologic characteristics. According to origin, the lesions were considered ungual in 73% (n = 75) and periungual in 27% (n = 28) of the cases. Sonography showed their nature (solid or cystic), location, and extension as well as regional blood flow. In 35% of the cases, the use of sonography modified the clinical diagnosis, although the detailed anatomic information provided by sonography was useful