Rare Koenen tumors - surgical treatment result.

Kira Skorodumova[1], Jelena Farbere[2], Ilona Zablocka[1], Dace Buile[1], Gerda Pētersone[1] Igmārs Mikažāns[1,2], Ilona Hartmane[1,2]

[1] Riga Stradins University
[2] Riga 1. Hospital

Background.

Koenen tumors are periungual or subungual fibromas appearing as reddish to flesh-colored, smooth, soft to firm papules and nodules emerging from nail folds. They are usually 5–10 mm in length, but may be very large *(Kishore et al., 2015; Devi et al., 2011)*. Koenen tumor is one of the major criteria and observed in 20 % of patients of Tuberous Sclerosis. Tuberous Sclerosis (TS) is an autosomal dominant, neurocutaneous syndrome along with multisystem, characterized by growth of benign tumors in various organs such as heart, kidney, central nervous system along with face and nail resulting as Tubereous Sclerosis Complex (TSC) *(Inoki et al., 2009)*.

Case report.

We report a 49-year-old woman with extensive periungual skin-colored to reddish tumors on all nails (Figure 1.), what had been present for more than 10 years. Patient has malar rash and facial angiofibromas and patches of unusually light-colored skin. Patient had epileptic seizure in childhood. Other organ systems were not checked yet. Its planned to have abdomen USG, brain MRI, chest X-ray. Surgical excision and ablation was proceed to all nails. Healing was without complications (Figure 2, 3,4). Histology of a periungual tumor from the thumb showed hypergranulation.

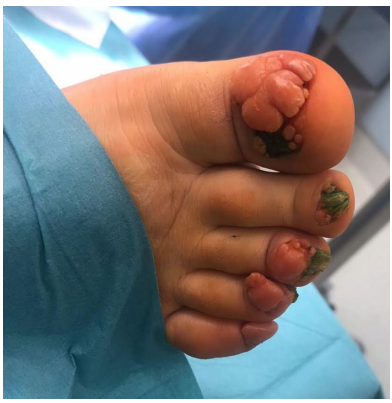
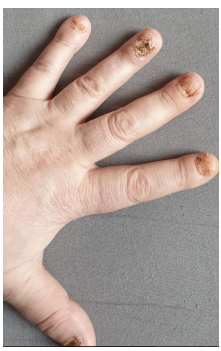
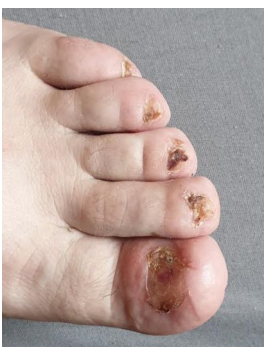


Figure 1. Before surgery.





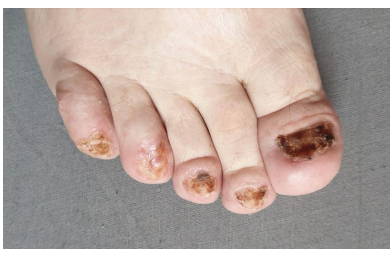


Figure 2, 3, 4. 3 weeks after surgery.

Discussion.

Diagnosing Koenen tumors remains a challenge because of its rarity and often diagnosis is delayed for prolonged periods of time. Early diagnosis is very important to improve quality of life *(Kishore et al., 2015)* . There is limited published literature to suggest a standard treatment with long-term result. Current clinical case highlights good result and patient satisfaction after surgical tumors removal.

References.

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