



## ECCRINE ACROSPIROMA OF THE ANKLE – A RARE ADNEXAL TUMOR

### General Surgery

**Dr. Tuheen Bhakta** Jr3 General Surgery Resident, Department of General Surgery, MGIMS, Sevagram, Wardha.

**Dr Neha** Department of General Surgery, MGIMS, Sevagram, Wardha.

### ABSTRACT

Eccrine acrospiroma is a rare, benign adnexal tumor originating from eccrine sweat glands. These tumors typically present as slow-growing nodules and are often mistaken for more common soft tissue swellings. We report a case of eccrine acrospiroma in a 35-year-old female, presenting as a longstanding ankle swelling, initially suspected to be a lipoma.

### KEYWORDS

Eccrine acrospiroma, Hidradenoma, Adnexal tumor, Sweat gland tumor, Ankle mass

### INTRODUCTION

Eccrine acrospiroma (also called nodular hidradenoma or clear cell hidradenoma) is a benign cutaneous adnexal tumor arising from eccrine sweat glands. These tumors generally present as solitary, slow-growing, painless nodules and are frequently misdiagnosed preoperatively due to their nonspecific presentation. Surgical excision remains the gold standard treatment.

### Case Report

#### Patient Information:

- Name: Sapna Madhukar Meshram
- Age/Sex: 35-year-old female
- Hospital CR No.: 202505079348
- Institution: Kasturba Hospital, MGIMS Sevagram

#### Chief Complaint:

Painless swelling over the right ankle for 5 years

#### History:

- No trauma, fever, discharge, or rapid increase in size
- No comorbidities
- No signs of infection or inflammation

#### Clinical Examination:

- Firm, non-tender, well-defined swelling over the right ankle
- Skin over lesion normal
- No ulceration or discoloration
- Provisional diagnosis: ? Lipoma

#### Investigations & Treatment:

- Surgical excision done under local anesthesia on 27 May 2025
- Specimen: Single grey-white soft tissue measuring 1.5 × 1.0 × 0.5 cm
- Sent for histopathology

#### Histopathological Findings (03 June 2025):

- Diagnosis: Eccrine Acrospiroma
- Confirmed by Department of Pathology, MGIMS Sevagram

### DISCUSSION

Eccrine acrospiromas are uncommon, benign skin adnexal tumors. They can arise anywhere but are usually found on the head, neck, and extremities. The ankle location in this case is atypical. Clinically, these are often mistaken for epidermoid cysts or lipomas. Histologically, the tumor is characterized by clear and eosinophilic cells with duct-like structures indicative of eccrine origin.

### Management:

Complete surgical excision with clear margins is curative. While rare, malignant transformation can occur in long-standing or recurrent cases.

### CONCLUSION

This case highlights the importance of considering adnexal tumors like eccrine acrospiroma in the differential diagnosis of subcutaneous swellings. Accurate histopathological diagnosis is essential, and early complete excision offers excellent prognosis.