The Recurrence Rate after Epidermoid Cyst Excision in the Foot and Ankle

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My disclosure is in the Final AOFAS Program Book.

I have no potential conflicts with this presentation.
Epidermoid cyst?

- *Keratin cyst, Epidermal cyst, Epidermal inclusion cyst, Sebaceous cyst, or an Epithelial cyst*

- Keratin-filled epithelial-lined cyst
  : plugged pilosebaceous units
  : traumatic implantation of epidermal cells into deeper tissues

- **Palmoplantar epidermoid cysts**
  - HPV type 57, 60
Purpose

- **Characteristics** of Epidermoid Cyst
- Surgical results: **Recurrence Rate**
- Retrospective Study
Materials

- Retrospectively check
- Confirmed by Excisional biopsy

- 37 cases
- M / F : 20 / 17

The cyst wall lined by stratified squamous epithelium with a granular cell layer (arrow). The central portion of the cyst is filled with keratinaceous debris (star). (H & E stained histopathology slide)
Locations (Kirby)

Kirby EJ et al, JBJS, 1998

M/C Toes

19 cases

7 cases

9 cases

2 cases
Subjective Satisfaction

- **Excellent:** 30 cases (81.0%)
- **Good:** 2 cases (5.4%)
- **Poor:** 5 cases (13.5%)
Recurrence rate

- 7 / 37 cases (18.9%) after 6.9 (2-22) months

- Big toe: 5 cases
- 2\textsuperscript{nd} toe: 2 cases
- Revision: 4 cases: final F/U no recurrr
Conclusions

- **Recurrence rate** after Epidermoiod cyst excision
  - 18.9%
- Preoperative imaging: sono, MRI
  - **Complete Resection**
References


