

## OP6

### Eight year outcomes of a consecutive single centre series of patients presenting with osteomyelitis of the foot in diabetes

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**Aim:** To determine the outcome at 5 and 8 years of patients newly diagnosed with osteomyelitis of the foot in diabetes **Method:** Observational study of a consecutive series managed at a single centre **Results:** The baseline data of this series of 147 patients have been previously published, together with outcomes at 12 months. Mean age was 64.7 years, 66% men. There was an apparent resolution of bone infection in 63.3% cases, and 23% of the population had had a minor amputation and 8.8% had had a major amputation by 12 months. Full 8 year outcome data are available in 138 (93.9%) of the 147 patients. By 5 years a total of 37 (26.8%) had had minor amputations on the side of the original lesion, and 12 (8.6%) had had a minor amputation on the other side. 18 (12.9%) had had a major amputation on the ipsilateral side and 6 (4.3%) had had one on the contralateral side, including one with bilateral limb loss. 71 (51%) of the series had died within 5 years. By 8 years there had been a further 3 minor amputations on the index limb (total 8 year ipsilateral minor amputations, 28.9%), a further 6 contralateral minor amputations (total 13%). There had been 2 further major amputations (1 ipsilateral and 1 contralateral), leaving a total of 17.7% who had lost one or both limbs by this time. 61.9% of the cohort had died by 8 years, in a median of 33 (range 1-96) months post presentation. In those who had major amputation the median time to death was 31 (range 1-78) months post amputation. **Conclusion:** The long term outcome for patients newly diagnosed with osteomyelitis of the foot in diabetes is poor with over half dying before 5 years of follow-up. The poor prognosis is a factor that should be taken into account when considering the options for long-term management. Despite this, there is no evidence that the relatively conservative approach to the management of this series resulted in a worse outcome than any previously reported.