Our study showed results similar to other international cohorts for rejection. In 1999 Tsuchiya et al. presented a technique for limb biological advantages. The mean follow up was of 27 months (SD 17).

The most common diagnosis was osteosarcoma (54%). The majority were free autografts (92%) and one was a pedicled autograft (Figure 1). The mean length of the autografts was 15 cm (range 5-28). The autograft union rate was 83% and the mean time to union was 6.7 months (range 4-9). No patient had a recurrence at the bone site. One patient developed soft tissue local recurrence. Eleven patients had localized disease at the time of the procedure, none evolved to metastatic disease.

The mean function by the MSTS score was 73.8% (range 13-100%).

Proximal femur pedicle autograft in a 28 y.o. male with epithelioid sarcoma metastasis.

No patient with localized disease at the time of the limb salvage procedure progressed to metastatic disease.

Our study showed results similar to other international cohorts for autograft consolidation rates (83%) and functional score (73.8%).

LN recycled autograft is a validated surgical reconstruction option and particularly useful in countries with limited resources.