

Analyzing Major Amputations in a Developing Country using the new Typing and Scoring System - Time for Standardization of Diabetic Foot Practice

Amit Kumar C. Jain, Viswanath S, Dept. of Surgery, St. Johns Medical College, Bangalore, India

Aim: To analyze major amputations occurring in India using the new typing and scoring system. **Methods and Materials:** This 5 year retrospective study was carried between 2009 to 2013 in a surgical unit of Department of Surgery of St Johns medical college, a tertiary care premiere institute in Bangalore, India. **Results:** 26 patients with major amputation were included in this study. There were 20 males [76.91%] and 6 females [23.08%]. 76.9% patients with major amputations had type 1 diabetic foot complication whereas 19.23% had type 3 diabetic foot complication. 34.36% of the patients had a score between 16-20, thereby belonging to a high risk for major amputation whereas 26.92% of the patient belonged to very high risk for major amputation category according to the new Amit Jain's scoring system for diabetic foot complication. 3 patients with major amputation had underlying osteomyelitis out of which 2 patients had type 3C osteomyelitis and 1 patient had type 2D osteomyelitis. There was one mortality and that patient had a score of 22, thus belonging to very high risk for major amputation. **Conclusion:** This new scoring and typing system shall henceforth equate the diabetic foot practice with that of oncology practice. It definitely shall bring a standardization and improvisation of diabetic foot practice. This study clearly shows that most major amputations occur in type 1 diabetic foot complication. More than 2/3rd of the patients with major amputation had a score of more than 16.

SL NO	TYPE OF DIABETIC FOOT COMPLICATION	NUMBER	PERCENTAGE
1]	Type 1 Diabetic foot Complication	20	76.9%
2]	Type 2 Diabetic foot Complication	01	3.85%
3]	Type 3 Diabetic foot Complication	05	19.23%
	Total	26	100%

Table showing the distribution of patients with major amputations according to the new classification of Diabetic foot complications [Amit Jain's classification].