

**Data from EQ-5D and SF-36 shows reduced quality of life in patients with acute Charcot osteoarthropathy at presentation and at clinical resolution**

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**Aims:** To measure prospectively quality of life in patients with acute Charcot osteoarthropathy. **Patients:** We studied 35 patients (9 type 1 and 26 type 2 diabetes; 31 males and 4 females) presenting to a single centre with a red hot swollen foot with either abnormal foot radiographs with typical Charcot changes or abnormal MRI scan.

**Methods:** Quality of life was measured using EQ-5D and SF-36 questionnaires, administered at presentation and at the time of clinical resolution. Data on mobility, self-care, usual activities, pain/discomfort and anxiety/depression together with respondent's self-rated health on a vertical, visual analogue scale (VAS) was obtained from EQ-5D. From SF-36 we calculated the physical and mental component scores (PCS and MCS). **Results:** Data were presented as percentage patients indicating problems or as mean±SD.

|       |                         | Presentation | Resolution | P-value |
|-------|-------------------------|--------------|------------|---------|
| EQ-5D | Mobility (%)            | 66%          | 63%        | 0.804   |
|       | Self-care (%)           | 17%          | 26%        | 0.386   |
|       | Usual activities (%)    | 66%          | 66%        | 1.000   |
|       | Pain/ discomfort (%)    | 57%          | 57%        | 1.000   |
|       | Anxiety/ Depression (%) | 43%          | 46%        | 0.811   |
|       | Health score (mean±SD)  | 68±20.1      | 71±26.9    | 0.577   |
| SF-36 | PCS (mean±SD)           | 37±10.2      | 39±12.3    | 0.299   |
|       | MCS (mean±SD)           | 49±12.1      | 48±15.2    | 0.709   |

**Conclusions:** Data from EQ-5D and SF-36 indicated a severe reduction in quality of life in patients with Charcot osteoarthropathy both at presentation and the time of clinical resolution and every health-care professional should be aware of this when managing patients with this condition.