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Observational Study

Cost of illness among patients with diabetic foot ulcer in Turkey

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Abstract

AIM: To evaluate the annual cost of patients with Wagner Grade 3-4-5 diabetic foot ulcer (DFU) from the public payer's perspective in Turkey.

METHODS: This study was conducted focused on a time frame of one year from the public payer's perspective. Cost-of-illness (COI) methodology, which was developed by the World Health Organization (WHO), was used in the generation of cost data. By following a clinical path with the COI method, the main total expenses were reached by multiplying the number of uses of each expense item, the percentage of cases that used them and unit costs. Clinical guidelines and real data specific to Turkey were used in the calculation of the direct costs. Monte Carlo Simulation was used in the study as a sensitivity analysis.

RESULTS: The following were calculated in DFU treatment from the public payer's perspective: the annual average per patient outpatient costs \$579.5 (4.1%), imaging test costs \$282.2 (2.0%), laboratory test costs \$284.8 (2.0%), annual average per patient

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