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(57) Abstract :

The present disclosure provides for a system, method and device to provide for an early detection and management of diabetic foot ulcers and includes an insole provided in the footwear; sensors distributed on the insole to detect pressure exerted on the sole of the foot; a processor coupled with the sensors and a memory storing instructions executable by the processor to: receive and extract data signal of pressure exerted on corresponding sensor; compare the values of pressure with corresponding threshold pressure values; generate an alert signal when value of pressure at any of the sensors is greater than the corresponding threshold value, transmit, the values of pressure and alert signal to one or more user devices and display, said values of pressure on an output device.

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