INTRODUCTION
&
AIM OF THE WORK

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Leg length discrepancy often causes both functional and cosmetic problems . Discrepancy of more than two centimeters can be associated with scoliosis ; discomfort in the back and a drop of the pelvis of the affected side .

A shoe-lift may be used as definitive treatment for discrepancies up to 4 centimeters . For greater discrepancies many patients request operative correction .

Since *Codivilla , (1905)* introduced surgery for elongation of the lower limbs , various crude methods of limb lengthening were used but resulted in high complication rates , particularly those related to the healing of the bone . Various modifications were introduced and the apparatus was simplified until *Ilizarov* developed better equipment and allowing for a better understanding of the biologic principles of callus distraction .

AIM OF THE WORK

The aim of this work is to evaluate limb lengthening by callus distraction using monolateral fixator , both *Kazem* bone lengthening device and *Wagner* bone lengthening device . The callotasis method was used to perform 25 lower extremity lengthening either through transverse corticotomy or oblique osteotomy .