

Classification Of Ilizarov Procedures

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INTRODUCTION

Ilizarov procedures are operations or procedures that using Ilizarov External Fixator (IEF) as the only or the main ...instrument/external fixator . The indications and application of IEF has been expanded become more variety over the past few decades. Some of them are more complex than the other. It is important to classify these procedures so that easier for the young surgeons to learn, understand and use them in their practice.

METHODS

The classification is based on relative complexity of the prosedures and a simple arrangement alphabet.

RESULTS

We classify Ilizarov procedures into 6 categories.

Acute Fracture Fixation (AFF). In this category the IEF is used for fixation of fractures such as articular fractures, peri-articular fractures, segmental fractures and severe long comminution fractures.

Bone Lengthening (BL). This category referring to lengthening of bone that is relatively short due to congenital or acquired causes. This category also includes lengthening of bone that is relatively normal (e.g. for cosmetic reasons).

Bone Transport (BT). This category referring to moving a segment of bone in order to close a bone gap due to trauma, infection, pseudoarthrosis or tumor resection. This category includes bone transport single level, double levels (tandem or convergence), or bidirectional from a single level corticotomy in case of bone gap at 2 levels (proximal and distal).

Correction Of Angulation (COA). This category referring to correction of malunion of bone especially the long bone.

Correction Of Deformity (COD). This category referring to correction of deformity at or around a joint or joints. e.g.: CTEV, Equinus of the foot, chronic subluxation or dislocation of a joint.

Others. This category includes the less procedures such as bone translation, rotational correction, joint fusion, neovascular stimulation (e.g. Buerger's Disease).