

From Micro-implant Assisted Rapid Palatal Expansion (MARPE) to Midfacial Skeletal Expansion (MSE) – The failures and successes

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Abstract:

Maxillary expansion in children and adolescents can be accomplished by removable and fixed appliances being either slow or fast. However, severe adult cases are commonly treated by surgically assisted rapid palatal expansion (MARPE). More recently micro-implant assisted rapid palatal expansion (MARPE) has widely spread as a replacement to SARPE in adult patients.

A form of MARPE with 4 micro-implants, traded as Maxillary Skeletal Expander (MSE) has been in the market for around 10 years. Early reports show that it is effective in separating the pterygoid plates increasing the interzygomatic width and hence the name Midfacial Skeletal Expander (MSE).

The lecture highlights the failures and successes of over 70 cases treated by regulars MARPEs and MSEs.