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### Exploring the possibilities of treating difficult malocclusions non-surgically

In 1925, Angle described the Edgewise bracket in an article entitled "Latest and Best in Orthodontic Mechanism." In 1986, Kesling P and Rocke T modified the Edgewise archwire slot. The new design allowed teeth to tip and hence to move rapidly. In 2000 Kesling provocatively claimed that Angle had unintentionally placed an albatross around the necks of orthodontists-the Edgewise arch wire slot. Kesling claimed that the Tip-Edge technique was ahead of its time and that it is the technique for the twenty first century. The only research yet published on the actual changes effected by the treatment has been that of Ramos, Killany and Kesling (2001). In their limited comparative study of Class II extraction cases of Edgewise, Pre-adjusted Edgewise and Tip-Edge brackets they concluded that the Tip-Edge technique produced equally good treatment results. Chamda R A and Evans in an in depth study in 2012 retrospectively evaluated the skeletal, dental and profile changes that took place when a sample of Class II malocclusions were corrected using the Tip-Edge technique Their research endorses the claim that the technique enables the correction of severe Class II maximum anchorage malocclusions without having to rely upon extra-oral anchorage or other additional anchorage devices. The extrapolation of the research data has enabled the author to correct other difficult malocclusions that would normally require orthognathic surgery non-surgically. The aim of this presentation is to explore the possibilities of treating difficult malocclusions non-surgically using the Tip-Edge bracket appliance system.

### Biography

Rashid A Chamdabds is a Part-time Specialist Orthodontic Consultant at the University of the Witwatersrand. He was formerly a Specialist Visiting Consultant at the University of Pretoria and also a Visiting Professor at the State University of New York-Buffalo. He was the Vice President/Secretary of the College of Dentistry and is presently the Main Examiner/Convener in the Branch of Orthodontics. He has published several papers and has delivered many papers at international conferences. He was awarded a Scholarship by the British Dental Association and was awarded a research grant by the South African Dental Association.

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