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*Dr. Geserick finished dental school in 2000 followed by clinical trainee ships at the University of Oklahoma, USA, the University of Peradenija, Sri Lanka and the Tsurumi University in Japan. He did his postgraduate studies in Basel and Los Angeles. Dr. Geserick owns a private practice in Ulm, Germany. Dr. Geserick has written several articles and has lectures internationally.*

## **The principles of Bioesthetic Philosophy implemented with the Insignia system.**

**Aims:** Bioesthetic Orthodontics is based on a combination of biologic form and functional occlusion goals. By arranging the teeth to work in harmony with the alignment of the jaw joints, a more stable result is attainable.

According to Roth a treatment philosophy begins with the selection of sound treatment goals with measurable criteria for success. Therefore it encompasses methodology for diagnosis and instrumentation for treatment and a rationale for selection of appliances and mechanics.

On this account the Insignia system was evaluated.

**Materials:** Different malocclusion have been treated according to the FACE□ philosophy. CPI recordings before and after treatment where taken to evaluate the condyle position. Also the prognosis of the contactpoints in the Approver Software where compared with mounted models in centric relation.

**Results:** The Insigniasystem allows the orthodontist to create a treatment plan with fine detail. This plan is used to custom-manufacturer the braces to be used on teeth. customizing to fit the unique dental anatomy and customizing to meet the final result. Therefore reduced need for functionl positioners and less positive/negative Coronaplasty is requiered in many cases

**Conclusion:** 3D imaging as well as improved 3D mechanics like the Insignia system today open new doors to the practioners in the daily office, e.g in advanced interdiciinary cases.