Axiograph의 개념 및 교정학적 응용

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ABSTRACT

Orthodontic application of Axipath II recorder

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The most important treatment objective in traditional orthodontics is obtaining maximum intercuspation in static occlusion. We have made efforts to obtain the functional
and esthetic ultimate goal in normally seated condylar position that can be stabilized statically and provide maximum neuromuscular efficiency in function. As TMJ plays an important part in stabilized functional occlusion, TMD can cause abnormal disease as well as malocclusion in a stomatognathic system treatment plan in correct condylar position. Of the methods for evaluating the condylar position, CPI is to evaluate the point from which all mandibular movement pathway and lateral excursion pathway from it's starting point. Usually it is performed in the order of posterior movement, anterior movement, bennett movement and opening-closing movement.

The roles of Axipath are: 1. searching for hinge axis, 2. recording movement of mandibular condyle, 3. examining the TMJ health and pliancy, 4. observing the masticatory movement, speech pattern and swallowing pattern, 5. finding the condylar position in the rest state.

Axiographic information as mentioned above is an aid in diagnosing differentially TMJ disorder and the disturbance of masticatory muscle, and provides rationale in planning treatment sequences and designing occlusal stabilization splint. Let us apply Axipath to diagnose of malocclusion patient suspected of TMJ disturbance.