Department of Prosthodontics

Tek Scan (T Scan)

Digitalised occlusal corrections can enhance patient comfort, instead of conventional articulating paper method. TEK SCAN makes it possible to view functional and dynamic occlusal contacts and view the relative distribution of forces in an arch thus giving the exact clinical occlusal correlation between articulating paper marks and dynamic representations. Selective reduction of forceful occlusal contacts can be done to equilibrate and eliminate undue contacts in eccentric movements. Fully licensed and updated version TEK SCAN 9.1 is used at VDC for all complex cases.

Joint Vibration Analysis (JVA)

JVA helps to identify patients' temporomandibular joint problems. It guides the dentist in treatment planning. The graphic representations can be used to educate the patient in understanding the health of his or her TM Joints. Post-treatment analysis can be done with time to substantiate the treatment plan.

Jaw Tracking Device

Jaw tracking device assists in diagnosing mandibular movement dynamics during different oral functions like swallowing and chewing. It can be used to diagnose any deviations in mandibular movements and changes in it's velocity. JTR along with JVA can be used to identify the best position while making splints to treat TMDs.

Electromyogram (EMG)

EMG is used for dynamic evaluation of muscle function over a period of time. In combination with T-Scan, it can be used to achieve disocclusion time reduction and educate the patient on improvement of muscle function pre and post-treatment.