



Injection Moulding: Case study & technique guide

By Dr. Anthony Tay, Singapore



Dr Anthony Tay received his Bachelor of Dental Science from the University of Melbourne, Australia, in 2005. He returned to Singapore in 2006, where he has been involved in full time metropolitan private practices. He is the clinical director of his clinic, The Dental Gallery Pte Ltd. As a general practitioner, he delivers a comprehensive range of dental services, with special interest in composite rehabilitation, restorative dentistry and minimal intervention dentistry. He is the President of the Aesthetic Dentistry Society Singapore, as well as the past vice-president of the Academy of Cosmetic Dentistry (Singapore). In addition, Dr Tay is actively involved in continuing dental education for his peers. He has published in various media, including *Dentaltown* and *Dental Asia* magazines. Dr Tay regularly conducts workshops and gives lectures on the topic of composite in Singapore and overseas. He is a current trainer and Key Opinion Leader with GC.

A smile makeover is an aesthetically driven dental procedure which aims to rejuvenate a smile and potentially create a life-changing result. It requires a deep knowledge on smile design, an eye for detail and art form, and the clinical hand precision to create the unique, perfect smile.

The treatment planning generally adopts a team approach, involving the patient, clinician, auxiliary staff and the technician. Communication between patient, clinician and technician is paramount to the success of the smile makeover. While more costly porcelain veneers remain the mainstay in this treatment modality, composite veneers have always been an economical alternative. The treatment plan can similarly begin from a wax-up fabricated by the technician, before emulating the design in the patient's mouth, via a freehand

approach. The difficulty lies in accurately transferring the exact prototype tooth form and shape into the final delivery, and this skill can take years to master.

With the development of composite filler technology, we are excited to share a predictable smile makeover workflow involving the latest G-ænial™ Universal Injectable composite, perfectly complemented by EXACLEAR™ transparent PVS material. The technique involves replicating the exact smile design template from a wax-up using



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