



Injection moulding with composite to obtain a predictable aesthetic outcome

Clinical step-by-step with
G-ænial® Universal Injectable
and EXACLEAR transparent silicone

By Dr. Ali Salehi, France



Dr. Ali Salehi

Dr. Ali Salehi graduated in 2007 as a Master in Dentistry at the Faculty of Dental Medicine of Strasbourg University, France. During his Master course, he completed an Erasmus internship at the Faculty of Dentistry of the Johannes Gutenberg University in Mainz, Germany. From 2008 until 2015, he worked as a clinical consultant at the Department of Prosthetics of the University of Strasbourg. Since December 2015, he became a part-time Clinical-University Assistant in the same department. In parallel, he also works in his private practice in Strasbourg since 2011. His clinical work has been honored with several prizes, such as the 1st prize in the clinical category of the "European Talent Awards" of 3M ESPE (2015), the 3rd prize in the "Essentia European Facebook contest" of GC (2016) and the 1st prize at the Grand Prix of Aesthetic Dentistry of the French dental journal "Réalités Cliniques" (2017). Dr Salehi also actively participates in many trainings & conferences at various national and international events. His main topics of interest include dental photography, aesthetic dentistry, adhesive dentistry and minimally invasive dentistry.

Using the injection moulding technique, composite restorations are created by injecting the composite into a silicone key that is directly positioned into the patient's mouth. The main advantage of this technique is that restorations can be first modelled in wax on a stone model, and then copied and transferred in detail to the natural teeth.

For complex morphologies, challenging aesthetic cases or cases requiring reestablishment of the occlusal vertical dimension, a predictable result can be obtained and chair time reduced with this relatively simple procedure. Adjustments can also be made afterwards if needed.

Because these restorative treatments usually comprise extensive surfaces, the composite used should be strong and wear resistant enough and also offer the desired optical properties. G-ænial Universal Injectable is an ideal product for this indication thanks to its great thixotropy and excellent mechanical & aesthetic properties.



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