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## Bonding mechanism of porcelain to zirconia frameworks: Problems and solutions?

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Different restorative materials are proposed to the clinician. Their reliability depends on the percentage of restorations still functioning after placement. Different study conditions make the comparison of obtained data challenging. Zirconia frameworks are now widely used by dentists. However, some problems and concerns are reported from the dental market. Zirconia restorations emerged as a substitute to metal ceramic restoration, in response to patients' esthetics growing demand. The metal-porcelain bonding mechanism is well known; whereas, the zirconia-porcelain interface is still not fully understood. Several factors have been pointed to explain the high porcelain chipping incidence. Latest findings will be detailed in an attempt to explain the zirconia-porcelain bonding. Similarities and differences between metal and zirconia have been raised in the literature.

### Biography

Dr. Elie E DAOU was graduated as Dental surgeon in 1994, from Saint Joseph University in Beirut. Then he got a Master in Sciences in 1999, a DES in Prosthodontics in 2002 from the same university, and a UD in "Fundamentals in Medical Research" from F-MRI –LU in 2015. Besides his private practice, he was in Department of Removable Prosthodontics till 2005 at saint Joseph University. He is a Chief Clinical instructor in the Department of Prosthodontics, at the Lebanese University (LU) in Beirut. He is preparing a PhD at the LU. He has published several papers in peer-reviewed journals.

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