**Press release**

EQUIA Research overview

**EQUIA® Restorative system: outstanding performance confirmed by several long-term clinical trials**

**Introduced in 2007, the EQUIA restorative system quickly proved to be a new standard in restorative technology, offering aesthetically pleasing bulk-fill posterior restorations and an advanced option to overcome limitations of amalgam, composite and conventional glass ionomer fillings. Over the years, EQUIA has inspired a number of prominent research groups to evaluate its clinical performance in several short- and long-term trials.**

**Mounting evidence for EQUIA**

A significant number of articles published in high-ranked journals brought in light the remarkable performance of EQUIA in Class I and II restorations after 2- and 3-year follow-up periods (Friedl *et al1*; Klinke *et al2*; Olegario *et al3*; Fatidou *et al4*; Lopez *et al5*). Two additional studies (Turkun *et al*6 and Basso *et al7*) evaluated EQUIA restorations after longer periods of 6 and 7 years respectively, concluding about its reliability and durability for Class I, II and V restorations.

Other leading studies compared EQUIA to conventional resin composites. For instance, Menezes Silva *et al8* and Kupietzky *et al9* demonstrated similar success rates of EQUIA and composite resin in Class II restorations after 3 years.

 After a 5-year trial, Molina *et al10* revealed the optimal performance of EQUIA to treat special care patients. EQUIA also proved to be a trustworthy restorative option for non-carious cervical lesions after 1 and 3-years as described by Vaid *et al11* and Celik *et al12* respectively. A randomized controlled trial leaded by Heck *et al 13* showed, after a 6-year follow-up, the acceptable performance of EQUIA to restore two- or three-surface class II restorations.

Finally, Gurgan *et al14.* conducted a notable 10-year clinical trial reporting an outstanding success rate of 100% for the EQUIA restorative system in class I and II cavities.

**Glass Hybrid materials: a new era of performance**

Building on the extensive and positive clinical evidence of the EQUIA restorative system, GC introduced in 2015 EQUIA Forte®, the first glass hybrid, and offered an unprecedented option for long-term restorations.

 The interim results of clinical studies show the suitability of EQUIA Forte as a long-term material to restore extended size Class II cavities[[1]](#footnote-1). Gurgan S. *et al15* compared EQUIA Forte to a micro-hybrid composite concluding that, after 4 years, both materials presented optimal surface and marginal adaptation characteristics. The EQUIA Forte multicenter study (Miletic I. *et al16*) compares the glass-hybrid to a nano-hybrid resin composite (Tetric EvoCeram, Ivoclar Vivadent) and the two-year interim results have shown similar clinical performance for both materials.

Backed by years of extensive research and academically reviewed publications, this literature review provides clinicians with the unwavering confidence in glass hybrid restorative systems as an optimal long-term restorative alternative.

The latest Glass hybrid, EQUIA Forte HT, offers increased aesthetics and strength compared to its predecessor EQUIA Forte, confirming that the glass-hybrid are a trustworthy long-term restorative option to the dentist while still being cost effective for patients.

References:

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For references and more information, please visit: https://europe.gc.dental/en-GB/products/equiaforte

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Product picture



GC EQUIA – EQUIA Forte and EQUIA Forte HT

1. See IFU or technique guide for class II cavity preparations [↑](#footnote-ref-1)