**Press Release**

One decade on the cutting edge:

**GC EQUIA celebrates its 10th anniversary**

**In 2007, family-owned Japanese dental manufacturer GC launched the glass-ionomer-based restorative system GC EQUIA, an innovative tooth-coloured material for the posterior region. In the 10 years since, numerous clinical trials and countless experiences in clinical practice all across Europe and in fact globally have demonstrated the impressive performance of GC EQUIA and its recent successor, GC  EQUIA  Forte.**

GC EQUIA consists of a filling component (EQUIA Fil) and a highly filled resin coating (EQUIA Coat). Both of these components work in synergy and offer clinicians an ideal alternative restorative solution.

EQUIA can be used for Class I restorations, non-stress-bearing Class IIs and also occlusally loaded Class IIs when the isthmus is less than half of the intercuspal space. German statutory health insurance reimburses the treatment costs when EQUIA is used with these indications. Long-term studies have confirmed the strong performance of the material after several years. A study by Turkun and Kanik1 demonstrated the superiority of EQUIA to a comparable GIC over a period of six years. The six-year results of a study by Gürgan et al.2 highlighted the performance of EQUIA as comparable to that of composite resins. Studies such as these and others3, 4, 5 prove the durability of the EQUIA system in long-term indications. A new systematic review by Kielbassa et al.6,7 also comes to the conclusion that within the respective indications and cavity sizes, this high-viscosity glass-ionomer-based material could play a role to some extent in merging the phase-down of mercury with the objectives of minimally invasive treatments. And in any case, with its combination of reliability and durability, easier and faster handling and tooth-coloured aesthetics, GC EQUIA is already well established as a restorative material of choice all over the world.

As a dental manufacturer, GC strives for continuous product improvement to achieve the best possible quality at all times. EQUIA Forte builds on the impressive performance of the original EQUIA system. Introduced at IDS 2015, this optimised restoration system consists of a filling component (like EQUIA) and a coating, and relies on glass hybrid technology. It thus combines the benefits of EQUIA with improved physical properties and expanded indications for use. By adding smaller, highly reactive fillers to the larger glass fillers, EQUIA Forte restorations exhibit greater strength, allowing this innovative material to be used with convincing results over a wider range of indications. According to the Instructions for Use, it can be indicated for larger stress bearing areas (compared to EQUIA) in Class II cavities (excluding cusps) and additionally for Class I restorations, non-stress-bearing Class IIs, core build-ups and Class Vs (root-caries treatment). Like EQUIA it is very fast and easy to apply, and its enhanced physical properties ensure reliable and long-lasting results.

The EQUIA family therefore represents a decade of restorative therapy on the cutting edge – an impressive example of the expertise of GC in the field of glass-ionomer restorative materials.

**References:**

1. L.S. TURKUN & O. KANIK. Oper Dent. 2016;41(6):587-598. A Prospective Six-Year Clinical Study Evaluating Reinforced Glass Ionomer Cements with Resin Coating on Posterior Teeth

2. S. GURGAN, ZB. KUTUK, E. ERGIN, SS. OZTAS & FY. CAKIR. Clin Oral Investig. 2016 Dec 20. doi: 10.1007/s00784-016-2028-4. [Epub ahead of print]. Clinical performance of a glass ionomer restorative system: a 6-year evaluation

3. 7 Years, Multi- centre, Clinical Evaluation on 154 Permanent Restorations made with a Glass ionomer-based Restorative System. M. BASSO, J. GONE BENITES, A. IONESCU, C. TASSERA. IADR- APR abstract 0446, Seoul 2016

4. Clinical performance during 48 months of two current glass ionomer restorative systems with coatings: a randomized clinical trial in the field. T. Klinke, A. Daboul, A. Turek, R. Frankenberger, R. Hickel and R. Biffar. Trials (2016) 17(1):239

5. The effect of a nano-filled resin coating on the 3-year clinical performance of a conventional high-viscosity glass-ionomer cement. V.T.K. DIEM, M.J. TYAS, H.C. NGO, L.H. PHUONG & N.D. KHANH. Clin Oral Investig. 2014 18(3):753-9

6. Kielbassa AM, Glockner G, Wolgin M, Glockner K (2016): Systematic review on highly viscous glass-ionomer cement/resin coating restorations (Part I): Do they merge Minamata Convention and minimum intervention dentistry? Quintessence International, Vol. 47, Issue 10, p. 813–828.

7. Kielbassa AM, Glockner G, Wolgin M, Glockner K (2017): Systematic review on highly viscous glass-ionomer cement/resin coating restorations (Part II): Do they merge Minamata Convention and minimum intervention dentistry? Quintessence International, Vol. 48, Issue 1, p. 9–18.

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