“We will be able to treat pretty much everything in the future”

An interview with Dr Graham Gardner, UK, President of the European Aligner Society

The European Aligner Society is an international organisation established in 2005 that aims to promote education and research in aligner therapy. Trained in South Africa and with 22 years of clinical experience, Dr Graham Gardner has been running his own private practices in the UK since 2008. In an interview with Dental Tribune, the EAS President shares his ideas and views about the importance of aligners in orthodontics and about the EAS, which he believes will become the society for aligner therapy.

Dr Graham Gardner: From the beginning of my career in the early 1990s, a time when ceramic brackets and lingual braces became available, I was certainly aware of the fact that aesthetic appliances were going to be the future of orthodontics.

In 2001, I was fortunate to attend a certification course for Invisalign, which was truly a water-shed moment in my orthodontic career because I saw the value and potential of aligner therapy for both dental professionals and patients. In my opinion, aligner therapy opened the door for a huge cohort of patients who would not have considered orthodontic therapy in the past mainly owing to aesthetic concerns. In addition to aesthetic benefits, aligners are far more comfortable than fixed appliances, as they are removable and hence facilitate oral hygiene during therapy. They also move the teeth more gently with less pressure, which is favourable with regard to patient comfort from a biological perspective too.

Today, I treat over 75 per cent of patients with Invisalign in my practices.

In recent years, clear aligners have become a favourable treatment alternative to fixed appliances, and the global orthodontic supplies market is expected to reach about US$9.9 billion ($8.6 billion) by 2020. In your professional opinion, how will this market develop in the near future?

Over the past decade, aligners have become mainstream orthodontics and I definitely see this trend continuing and expanding. With the technological advancements, including 3-D and CAD/CAM, that allow the clinician to diagnose, plan the treatment and in materials and 3-D printing will render manufacture and the product itself more cost-effective. For example, 3-D printers could allow individual practices to print their own aligners in the future.

Overall, with technological advancements and increasing patient acceptance, we will be able to treat pretty much everything in the future in my view.

How have developments in the European and the overseas market differed?

Dentistry as a profession is very conservative and dentists in the US, for example, are perhaps a bit more progressive. However, with regard to aligners, I no longer really see a great difference between Europe and America. The movement is global and I suspect the advancements we are now seeing in Europe will match those in America and Asia, where aligner therapy is also very popular. There are always regional differences, also partly related to legal restrictions, but the trend towards aligner therapy is a global phenomenon.

When aligners were first introduced to the market, there were some limitations and we could only treat mild malocclusions. However, aligner therapy has come of age and is now a genuine appliance system with which aligner company and open to all dentists using aligners for orthodontic treatment.

The work of the EAS is characterised by three cornerstones. The first is education, namely arranging conferences and regional meetings and introducing clinical online forums, through which members can interact and share experiences and ideas. The second column of the EAS’s philosophy is communication. We aim to be a neutral organisation that patients, members can consult for guidelines. Research is our third column, which is currently

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