By Dental Tribune MEA/CAPPmea

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10 Years of Successful “Continuing Dental Education” by CAPPmea

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Dental Tribune MEA/CAPPmea to the highest echelons of continuing dental education. A big “Thank You” is owed to all participants, followers and partners, having helped CAPPmea develop the professional training tools adjusted to the specific needs of the region.

CAPPmea has been an American Dental Association (ADA) CERP Recognized Provider for the last 5 years, specializing in CME and CPD dental programs - conferences, hands-on courses, workshops and self-instructional events. During the past 10 years, CAPPmea facilitated over 550 CME programs with over 52,000 international participants taking part. With the opening of CAPPmea Asia in 2012, the professional reach of CAPPmea expanded to the Asia-Pacific region and beyond. In 2012 CAPPmea also joined a global family of 96 publishers and the finest dentists in the dental advanced professional practices last 10 years the Centre For Advanced Professional Practices – conferences, hands-on courses, workshops and self-instructional events. During the past 10 years, CAPPmea facilitated over 550 CME programs with over 52,000 international participants taking part. With the opening of CAPPmea Asia in 2012, the professional reach of CAPPmea expanded to the Asia-Pacific region and beyond. In 2012 CAPPmea also joined a global family of 96 publishers by becoming the proud license owner of the Dental Tribune Middle East & Africa edition. Over the last 5 years, CAPPmea has delivered yearly six print and digital newspaper publications to over 45,000 dental professionals in the MEA region, 24 newsletters to more than 45,000 active online subscribers, and through an international website the latest industry news and scientific articles are reaching the largest dental community worldwide – an audience of over 900,000 dental readers.

A Decade of Education – Passion for Quality and Perfection

“It is unimaginable how fast time has passed. It is already 10 years that I started CAPPmea as a center for professional training, quickly growing into the creation of two very important international conferences, namely CAD/CAM & Digital Dentistry and Dental-Facial Cosmetic International Conferences. Today, even if I would want, it is not possible to stop these events. There is a huge demand for the education and showcasing of the fast developing dental industry.” – Dr. Dobrina Mollova, Managing Director CAPPmea, emotionally commenting on the achievements.

The 10th CAD/CAM & Digital Dentistry International Conference will be celebrated jointly with CAPPmea’s 10-year anniversary. The journey in the last decade came along with many challenges related to the incredible pace of growth of industry and new technologies, particularly in digital dentistry. Ten years ago, one could not imagine that such opportunities existed. They are now able to change dentistry and improve dramatically the patient care. All from diagnostics, planning to the treatment in term of precision, time-consuming and aesthetic treatments.

What has been accomplished in the past 10 years is truly significant. CAPPmea would like to express its highest appreciation of the role of our business partners, industry, sponsors and supporters in helping CAPPmea make the success story that it is today. Thanks to all who have worked with CAPPmea, sharing the challenges and the passion that come along. Thanks to all dentists, dental technicians, dental hygienists and assistants, who followed us in this decade of fast development of dental industry and technology. We look forward to another decade of being together.

For more information please visit www.cappmea.com

CAD/CAM & Digital Dentistry significant growth in Middle East in last decade

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10 Years ago CAD/CAM was being heavily used by laboratories but still had limited capabilities chairside. The limitations of the camera and the software reduced the clinical options and the interplay between CAD/CAM technology in-surgery and CAD/CAM technology in-lab. The software was “a tool” but there were still few “players” in the market. There were a number of competitors beginning to enter the arena and this would be a catalyst for established companies to make radical changes to their systems. Prof. Aref Shakar, Egypt: CAD/CAM & Digital Dentistry was dealt with if it came from Mars in our region 10 years ago. Many dentists were dealing with this logic as “Not for every dental field”. But with such a specialized event like CAD/CAM & Digital Dentistry Int’l Conference in Dubai, the awareness of this field was more or less in its infancy 10 years ago CAD/CAM dentistry was more or less in its infancy stage. Though chairside systems, such as the CEREC chairside system from Sirona, were well in a reasonably advanced stage, most of the dental laboratories oriented systems were just learning to crawl. Very few dental manufacturers ventured into this technology. A side from some high precision milling units, such as the Everlight Milling Unit from KaVo, both hardware as well as software did not enjoy the required features to warrant predictable and precise restorations.

Dr. Mark Morin, USA: CAD/CAM was available but only provided a limited scope. The number of users was very small. There was only one company that made the machine. It could only do limited types of restorations and there were limited materials available to make the restorations.

Lutz Ketelaar, Germany: Digital dentistry was driven by closed systems, with a limited sharing of capacities not implemented, not even at most in people’s mind. The major driver for CAD/CAM were full ceramic restorations, ZrO2 an upcoming material with a lot of hope and trust - not always fulfilling all expectations technicians did - this was mainly driven through a lack of understanding on the lab side though. I remember the Procera days, where a scanner which just could create single restorations was enough to win fans all around the world with a central manufacturing solution using AI05, on the other hand a DC5 in-house system which was on exhibitions, grilling restorations out of hip-material. The switch came with the ZrO2 green stage material, as it allowed to mill economically ceramic materials.

Even though there was no movement for open systems, the industry made the implementation of CAD/CAM possible, due to support and training of dental technicians. Information Technology was never part of the dental world and the majority of dental technicians did not even believe that soft- and hardware would change their
Dr. Julian Caplan, UK: Almost every single discipline of dentistry had its share of CAD/CAM technology. Probably the fields of Aesthetic, Restorative and Prosthetic Dentistry got the lion’s share. Indirect Restorations are more precise and predictable when fabricated through CAD/CAM systems. Guided Implant Surgery made the field of Implantology easier and safer procedure. CAD/CAM driven orthodontics as well is getting more and more utilized.

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Rik Jacobs, The Netherlands: Many aspects, it is based on imagination what happened only 10 years ago. Certain treatments can be completely planned and executed by CAD CAM, considering Cone Beam CT, the success of CEREC at the practice of the Doctors, the transformation from a handicap into a high tech virtual planned 3D working environment, the start of the Milling centers, the overproduction of the total number of milling centers in certain countries, the total acceptance of Zirconia for Crown & Bridge applications and shortly 3D Printing which will become more and more accepted in the profession.

Lutz Ketelaar, Germany: I am often surprised how quick the old values of manual dentistry have been altered to the new solutions and how the markets adapt this opportunity worldwide. For me personally, the direction of monolithic restorations with the opportunity to go nodule-free and virtual adaptations, without losing esthetics out of the view, is a big change and can be seen on the materials that are being offered - simple ZrO2 has been replaced for translucent variations in 16 shades, classical porcelain has a successor in high strength technical glass materials which natural opalescence and fluorescence.

CAD/CAM is not limited by its opportunities, but of economic aspects - not everything that is possible makes sense. The trust into the investment of new technologies with an open end is limited - The price for machines, materials and dental restorations is very much under pressure, knowledge and service are underestimated and almost ignored behind the pricing policies.

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Understanding how to integrate this technology into their busy practice can also be daunting. The systems are becoming incredibly user-friendly and this hurdle is becoming far easier to overcome.

Prof. Atef Shakar, Egypt: In this digital age, dentists who are scared of us just doing one crown a day the majority of sold watches worldwide are being sold to our customers is essential, as well as our global sales and services experienced technical teams. This was once again a record sell out with 128 companies and we are relying on the professional organization of “CAPPmea” to be the link between the innovations of such and an advanced career to the majority of dentists worldwide.

Sirona LLC founded in Dubai to support a direct operation for UAE private market

Dr. Murir Silvadi, Canada:
The common reason for some dentists not being involved in CAD/CAM technology is probably a lack of proper exposure. CAD/CAM dentistry is still more or less considered a feature of “elite dentistry”. The second major reason may be that quite few dental practitioners do not realize the full positive impact of CAD/CAM technology on their daily practices. Manufacturers, organizers, and educators have to put more effort to bring this technology to the average dental practice.

Prof. Atef Shakar, Egypt: Yes, as a professional in the CAD/CAM field, I am so ambitious about what is ahead of us, we should allow for a rapid and revolutionary change in dental education on all levels as well.

Dental Tribune MEA: What further innovations in CAD/ CAM will be the future you foresee?

Dr. Julian Caplan, UK: There are numerous future possibilities for CAD/CAM. One of my major interests is giving patients a new smile in one day. At the moment this is labor intensive and requires a broad knowledge of micro and macro tooth morphology. My hope is that there will be an integration of CAD/ CAM with photography and imaging linked with intelligent software. This will allow the dentist to set parameters specifying微笑 design requirements and then simply press a button for a multitude of smile designs to be created which will be ready to be milled immediately.

Lutz Ketelaar, Germany: The future will bring dentist and labs closer together for a better, faster and more economic service towards the patient. Necessary patient data and scheduled appointment can be shared between both parties, manufacturing sites involved and their status shared - the workflow gets lean. The dental field of restorations is limited, but it still needs innovations and progress in finding new directions - possible technical approaches also need to be affordable - Dental treatment is in direct competition with luxury goods, vacation or even affording standard of living. We can learn a lot from the US about marketing the beauty business of dentistry, but should not forget that we also need highly educated and trained dental technicians to achieve future success.

Rik Jacobs, The Netherlands:
For these practices, CAD/CAM systems have to become more
Plug & Play, that’s the industries full responsibility, said the majority of sold watches worldwide will be comparably cheap, but there is a community where people can buy manually made “art work”.

Dr. Murir Silvadi, Canada:
This is a very rapidly developing field. That was a wishful thinking few years ago is now a reality. Digital intraoral and extraoral scanners will definitely replace conventional impression techniques in the very near future. Most of Indirect Dental Restorations will be CAD/CAM produced. Dentists will be able to digitally connect with dental laboratory technicians. This should allow for a rapid and precise exchange of information to facilitate the production of restorations that are esthetically and functionally pleasing to every patient, dentist, and dental laboratory technicians. As for the future of CAD/CAM technology, I believe that the “Sky is the limit”.

Dr. Mark Morin, USA: The future is bright for CAD/CAM. I think we are going to see a complete digital platform in dental offices with full connectivity to all technologies. I also see the ability of the CAD/CAM technology to help us diagnose and treatment plan our cases. By taking a picture before we start, doing a 3D analysis it can help us determine whether treatment is necessary and what procedure is best.

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