“The Henry Schein plan and strategy is to cover all the requirements for the end users in the Middle East”

By Dental Tribune MEA

Dental Tribune MEA | January-February 2015

Dr. Ghassan N. Hussein, Sales & Marketing Director (Henry Schein MEA)

CS 8100 3D Extraoral Imaging System CBCT provides clarity of prognosis

By Mark Anthony Limosani, D.M.D., M.S., FRCD

Case Overview
A 67-year-old female taking Forteo (Teriparatide) for the treatment of osteoporosis was referred to my office by her general dentist because of her history of ongoing low grade discomfort associated with the UR quadrant and more specifically tooth #3. Her dental history revealed previous root canal therapy was completed on tooth #5. She didn’t recall when, but was confident it was greater than five years prior to presenting to my office.

Clinical examination revealed a slight buccal swelling associated with the tissue buccal to tooth #5. No sinus tract was evident. The palpation of the temporals and massa

Can you elaborate on Henry Schein Middle East and your portfolio as a company?

In Henry Schein Middle East we cover now all the requirements for the end user in dentistry through the following lines:

- General consumables, dental materials and instruments (Henry Schein private label line including over 8000 products - www.henryschein.com)
- Lab materials (Zahn Dental and Pentron Ceramics - www.zahndental.com)
- Handpieces and small equipment (BA International - www.henryschein.com)
- Dental Units, general equipment and Furniture (Ritter Concept - www.ritterconcept.com)
- CAD/CAM systems o Clinical: PlanScan, PlanMill and X-Ray Cone Beam systems (Planmeca - www.planmeca.com)
- Lab: Connect dental form (www.connect-dental.com)
- CAD/CAM consumables: Zirfix line (Zahn Dental www.zirfix.com)
- Endo Rotary and Burs (Brasseler Dental - US - www.brasselerusa.com)
- Compressors, suction and phosphoric plate scanners (Airtechniques - www.airtechniques.com)
- Dental Management Software (Software of Excellence - www.soedental.com)
- Dental laser and specialized material (CAO group - www.caogroup.com)
- We continue to add more companies to deliver the large variety that the end users are demanding for. Our goal is to be able to supply a full chain of solution to our customers.

What is your impression of the level of dentistry in the MEA region?

The level of dentistry in the region is growing very fast in all divisions and branches. This area is considered to be an entry point for other regions in the world and this is the main reason why Henry Schein puts a high priority in our profile. With this being said, Henry Schein has launched the only complete CAD/CAM clinical and Lab system in the market from Planmeca and Zahn Dental with Zirfix complete CAD/CAM consumable solutions along with the dental management software from SOE and the cone beam system from Planmeca.

How important is Education for Henry Schein Middle East and what are your plans for the coming year?

Henry Schein is considered a leading company in the education along with supplying most of the universities around the world with the basic and high scientific required materials and equipment. We are preparing a full education program to cover the following subjects:
- Cosmetics and Prosthodontics
- Orthodontics
- Surgery and Implantology
- Endodontics
- CAD/CAM Technologies

With a certified degree supported by a well-known University in the scientific field, we are planning to announce the details of this launch during the upcoming AEEDC 2015 for the first time.

2014 was a strong year for Henry Schein and you have added new companies to your portfolio such as Planmeca and Ritter, can you explain the partnership?

The Henry Schein plan and strategy in Middle East is to cover all the requirements for the end users with the best scientific and economic solutions. This is why we keep adding to our profile the top companies to be able to serve the end user. We signed an exclusive distribution agreement in the Middle East with Ritter concepts (for their dental units and equipment) and with Air Techniques (for their air compressor and suction phosphoric plate scanners) as well as with Planmeca for their CAD/CAM clinical system and Cone Beam which we are very proud of. We are planning to add more companies in the coming years.

Contact Information
Dr. Ghassan Nasser Hussein
Sales and Marketing Director (Henry Schein) Middle East and North Africa
Mobile: +971 54 4813582
Tel: +971 6 5252842
Fax: +971 6 5531284
E-mail: ghassan.nasser@henryschein.com

Figure 1: 2D periapical radiograph of previous RCT on tooth #3
and furcal defect (blue arrow) on #3 with attenuation patterns suggestive of a narrow bony defect associated with the MB aspect of the P root of tooth #3 (red arrows).

Figure 2: Oblique sagittal CBCT view of #3

Figure 3: Axial view with finding of an unaddressed MB2 canal (yellow arrow) and furcal defect (blue arrow) on #3

With the PA radiograph (Figure 1) demonstrated that tooth #5 had previous root canal treatment. Probable radiolucent findings were associated with the apical portion of the MB and P roots. The root canal filling material associated with all three roots appeared underextended and under-filled. A decision was made to take a cone beam computed tomography (CBCT) scan in order to obtain more valuable diagnostic information.

Findings

The sagittal slice demonstrated attenuation patterns suggestive of a narrow bony defect associated with the MB aspect of the P root of tooth #3. The axial slice demonstrated the high likelihood of an unaddressed second MB canal as well as a furcal defect involving the MB and palatal roots. No radiolucent findings were associated with the apical portion of the MB root.

Treatment Plan

My endodontic diagnosis for tooth #3 was a previously endodontically treated tooth with an acute apical abscess. The differential diagnosis associated with the etiology of bone loss was assessed as follows: 1) A crack extending from the MB root to the P root 2) A second mesiobuccal (MB2) canal that was unaddressed during the initial therapy that was causing persistent periodontal periodontitis.

The patient was given the option to have the tooth extracted or to re-access the pulp chamber in order to investigate the presence of a crack or missed canal. She agreed to access the tooth, where upon a crack was discovered (Figures 4 and 5) extending from the MB canal through the palatal root.

With 3D imaging, we are able to evaluate cases more accurately, while at the same time providing the patient with more effective diagnostic tools that minimize additional costs, procedures and discomfort.

Rely On Us for Quality, Selection and Performance.

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Our products offer you maximum value without compromising on quality. We offer over 8,000 products you can trust to fulfill your needs—each bearing the Henry Schein Seal of Excellence—your guarantee of satisfaction.

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Contact: Antonio Plata
Phone: 631-843-5325
email: antonio.plata@henryschein.com

About the Author

Mark Limosani
D.M.D., M.S., FRCD

Dr. Limosani received his D.M.D. degree from the University of Montreal in 2007. He attended the specialty program in Endodontics at Nova Southeastern University where he also received his master’s degree in dental science.

Dr. Limosani is a Fellow of the Royal College of Dentists of Canada and a diplomate of the American Board of Endodontics. He is currently on staff at Miami Children’s Hospital and teaches at the AEGD residency program at Community Smiles.

Dr. Limosani has lectured locally and internationally on dental traumatology, restoration of endodontically treated teeth, restoratively minded endodontics, diagnosis and treatment planning and cone beams computed tomography (CBCT) use in endodontics.

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