GUEST EDITORIAL

The changing world of medically complex dental patients: Electronic health records and more







both inpatient and outpatient; each and every drug they have ever taken (and their inherent ramifications and interactions); and every procedure they have undergone. Thankfully, technology has come to our rescue for some of these functions.

Electronic health records (EHR) are rapidlyand universally-replacing paper records. They quickly and accurately make data available. They can be easily accessed and/or transferred from another facility, and the entire EHR can be networked for quick access to the clinician chairside. A list of current medications for each patient can be easily accessed from within the EHR. Online and mobile applications such Epocrates or Lexi-comp are available to accurately check potential adverse drug reactions and interactions, so care can be taken with future prescriptions for patients with a history of polypharmacy. Contacting primary care physicians via email instead of fax has increased the accuracy of medical data. As more and more practices are incorporating EHR into their offices, privacy laws are becoming more stringent to maintain and protect patient data. Federal mandates such as the Health Insurance Portability and Accountability Act (HIPAA) in the United States are now necessary and integral components of medical and dental practices.

Patients on anticoagulants such as warfarin can be managed with appropriate dose adjustments (always being cognizant of risk:benefit concerns) and by obtaining a pretreatment prothrombin time and international normalized ratio (INR) from their primary care providers or even in the dental office itself. Of course, bridging with a low-molecular-weight heparinlike enoxaparin (Lovenox, Sanofi-aventis) might be indicated. Now, with many patients medicated with clopidogrel (Plavix, Bristol-Myers Squibb and Sanofiaventis) and dabigatran (Pradaxa, Boehringer Ingelheim Pharmaceuticals), new dental/surgical



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management protocols should be followed. A patient on renal dialysis can move to the dental chair with use of appropriate premedication, observing serum creatinine levels, and/or precautionary measures such as avoiding prilocaine or septocaine (due to low erythropoietin in these patients). We have to make sure that the antibiotic doxycycline is used carefully on dental patients with a history of liver disease, although it should never be used in patients with both kidney and liver disease. These selected medical issues represent just the tip of the medical iceberg. Again, thanks to technology, patients' primary care providers, nurse practitioners, or specialists are only an email or text away. The lessons to be learned from the changing world are that dental patients are no longer the patients we thought we were treating. Previous or current medical conditions, however complex, should not stop us from accepting them as our patients. As health care providers in the medical arena,

we must be more knowledgeable, more aware of the general health conditions, and more vigilant, and we must expect these patients in our waiting rooms anytime. One of our dear colleagues and oral and maxillofacial surgeon Dr Maano Milles once said, "We have to remember that at the end of every tooth, there is a patient." If we do not accept a patient into our practice because of his or her complex medical condition, we have failed in our duties as healthcare providers.

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