

# ***Effective Management of Class II and Class III Malocclusions: Lessons Learned along the Way***

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<b>08.30 – 09.00</b>	<b>Welcome and Registration</b>
<b>09.00 – 09.10</b>	<b>Introduction</b>
<b>09.10 – 10.30</b>	<b>Evolution of a treatment philosophy: A 50-year perspective A brief update on the CVM method</b>
<b>10.30 – 11.00</b>	<b><i>Coffee</i></b>
<b>11.00 – 12.30</b>	<b>Management of Class II malocclusion with Class II elastics and the Pendex, Herbst and Carriere 2 appliances: Which to use?</b>
<b>12.30 – 14.00</b>	<b><i>Lunch</i></b>
<b>14.00 – 15.15</b>	<b>Treatment of Class III malocclusion with the Carriere 3 appliance in adults, adolescents and juveniles</b>
<b>15.15 – 15.45</b>	<b><i>Coffee</i></b>
<b>15.45 – 16.45</b>	<b>Expansion in the early mixed dentition: Is it worth the effort?</b>
<b>16.45 – 17.00</b>	<b>Discussion and Farewell</b>



*Synopsis:* Dr. Jim McNamara has been an orthodontic resident, doctoral student, university professor, teacher and researcher, international lecturer, and private practitioner during his long and productive career. His broad experience in both clinical and experimental arenas and his worldwide travels have provided him a unique opportunity to synthesize an approach to orthodontics and dentofacial orthopedics that not only is evidence-based but also is focused on the *art* of orthodontics. His treatment protocols have evolved steadily since the early 1970s, including in recent years.

*About the speaker:* Dr. Jim McNamara is the Thomas M. and Doris Graber Endowed Professor Emeritus at The University of Michigan. The speaker was the recipient of the 2008 Albert H. Ketcham Memorial Award, considered the highest award in orthodontics worldwide. Dr. McNamara has published over 320 articles in the orthodontic literature, has written, edited or contributed to 80 books, has lectured in 45 countries, and has treated over 14,000 orthodontic patients.

Dr. McNamara is past president of the Midwest Edward H. Angle Society and founder of the Graduate Orthodontic Residents Program (GORP), now in its 32<sup>nd</sup> year. He also has been the driving force behind the Annual Moyers Symposium, now in its 47<sup>th</sup> year. He also has been Scientific Chair or Co-chair at four Annual Sessions of the American Association of Orthodontists, including in 2021.

Dr. McNamara maintains a private orthodontic practice that he shares with his daughter Laurie in Ann Arbor.

The course will consider specific topics in orthodontics and dentofacial orthopedics, with a focus on the management of Class II and Class III problems. Dr. McNamara first will trace his own experiences in experimental and clinical research, describing how his approach to treatment has evolved over time. Whenever possible, an evidence-based approach will be used to determine appropriate treatment protocols.

Topics to be discussed include:

- The importance of treatment timing according to malocclusion type, with special consideration of Class II and Class III malocclusions
- The role of the cervical vertebral maturation (CVM) method in diagnosis and treatment planning
- Definitive Class II correction with the Herbst, Pendex and Carriere 2 appliances
- Using the Carriere 3 in managing Class III problems in adolescents, adults and juveniles
- The role of rapid maxillary expansion in the mixed dentition
- Creation of spontaneous improvement of Class II malocclusion through rapid maxillary expansion and transpalatal arch treatment in the early mixed dentition

*Course objectives:*

At the end of this course, the participant will be able to:

- Properly time treatment intervention in patients with Class II and Class III malocclusions as well as patients with tooth-size/arch-size discrepancies
- Apply the Cervical Vertebral Maturation Method in routine practice
- Manage Class II treatment in growing patients with Class II elastics and the Pendex, Herbst and Carriere 2 appliances
- Learn the nuances of Carriere 3 appliance management, especially in minimally-growing patients
- Understand the many uses of rapid maxillary expansion, especially in mixed dentition patients