Year: 2023 **Type of Awards (Elite)**

Name of Principal Investigator: Wensheng Ma **Affiliated Institution: Tianjin Hospital of Stomatology, Nankai University School of Medicine, China**

About the PI

- Introduction & Education:

Dr. Wensheng Ma, at 54 years old, is a doctorate, clinical professor, and father. He is currently Vice Dean of the Tianjin Hospital of Stomatology at Nankai University School of Medicine in Tianjin, China.

- Career Trajectory:

(1) Since 2023, Clinical Professor & Vice Dean at Tianjin Hospital of Stomatology at Nankai University School of Medicine

(2) 2011 to 2023, Clinical Professor & Vice Dean at Hebei Medical University Hospital of Stomatology, Department of Orthodontics

(3) 2013 to 2014, Visiting Scholar at the State University of New York at Buffalo School of Dentistry, USA

(4) 2003 to 2011, Associate Clinical Professor at Hebei Medical University Hospital of Stomatology, Department of Orthodontics

(5) 1998 to 2003, Attending Physician at Hebei Medical University Hospital of Stomatology, Department of Orthodontics

(6) 1993 to 1998, Physician at Hebei Medical University Hospital of Stomatology, Department of Orthodontics

- Research Contributions, Impact & Recognitions:

Dr. Ma has Published one SCI paper as the first author and six SCI papers as a corresponding author. He has been granted two utility model patents, and has won the second prize of the 2023 Hebei Provincial Science and Technology Progress Award. He has also won two first prizes and three second prizes of the Hebei Medical Science and Technology Award.

- Personal Insights & Future Directions:

“Stomatology is a discipline that requires continuous exploration and lifelong learning. My passion for orthodontics motivates me and my team to study new directions in regards to clinical treatment. In the future, I would like to continue research for clinical applications of personalized titanium plate bone-anchored maxillary protraction technology and its potential to affect the morphological shaping of the jaw.”

Brief Summary of the Project:

Recently our group patented a 3D-printed personalized titanium plate for bone-anchored maxillary protraction, designed for precise traction in the treatment of adolescent skeletal Class III malocclusion. The purpose of this project is to investigate the changes in the maxilla, mandible and TMJ of patients utilizing this device as well as the corresponding mechanisms of bone remodeling.


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