

**EDITORIAL****The need for multidisciplinary in modern dentistry**Mircea Suci<sup>1</sup>

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It is a privilege to introduce to you Acta Stomatologica Marisiensis Journal a new international journal under the authority of University of Medicine and Pharmacy of Tirgu Mures whose purpose is to promote the topical issues of modern dentistry.

ASMJ wants a multidisciplinary journal that publishes high quality articles in all areas of dentistry, covering a complex area, from cariology to orthodontics, implant dentistry or nanotechnology and medical bioengineering.

A top priority and topical issue for all medical fields is to look at the human body as a unitary complex of biological systems that depend on each other and which are regulated by intrinsic neuroendocrine mechanisms and function as a whole as a computer to maintain the human body's homeostasis [1].

This requires a multidisciplinary approach and thinking for any disease and supports the detection of risk factors with pathogenic potential, capable of generating the appearance of morbid entities of the stomatognomic ensemble that is manifested by polymorphism, often placing physicians in difficulty in formulating correct diagnoses. These are clearly necessary to establish a proper treatment for each patient.

This approach to dental medicine opens the way for elaborate interdisciplinary collaborations when dealing with a complex oral rehabilitation of clinical cases.

The major objective of oral rehabilitation is the complete and complex approach of patients based on a rational diagnostic and therapeutic protocol, approached from gnatological, bio-prophylaxis and multidisciplinary perspective, the balance of the oral cavity being part of the general homeostasis of the human body.

The physician and the patient must go through a logical succession of diagnosis and treatment throughout the complex oral rehabilitation, multidisciplinary in the field of dental medicine, correlated and integrated with those related to the general health of the human body. The end of this logical stepping is in most cases is prosthodontics which, however, cannot be achieved without going through the preparatory pre-and pro-prosthetic steps.

If in the past the approach to dental prosthodontics was focused on its major branches, physiology, dental materials, dental occlusion or clinical cases, today, due to technological advancement, research ideas in prosthetic dentistry expanded to a multidisciplinary science that includes digital dentistry or regenerative dentistry with a biological basis [2].

A conclusive example of these changes that demonstrate the way to multidisciplinary is the evolution over time of the treatment of perhaps the most widespread clinical situation among the population: complete edentoullism. If in the past the solution for the increase of stability was the use of the complete denture made in gold palate and ivory teeth like Washington's complete dentures in 1795 [3], complete denture on maxilla with a suction cup, or a multi-cup dentures described by Jermyn in 1967 which requires a team consisting of a dentist and a dental technician [4], today a complete denture support on implants, that provide comfort and improvement of the quality of life, need for its realization two different dental specialties, implantologist and prosthodontist.

Another remarkable example that revolutionized the therapeutic decision in dentistry is the discovery of Branemark, the

implant. Since then, the vision of treatment opportunities has changed radically. This is an example of a multidisciplinary team that has made a medical breakthrough to significantly discard the evolution of dentistry.

On the other hand, if we refer to the means of investigation in dentistry, we find an astonishing evolution of them since 1895 when Roentgen discovered x-rays, until today when conical-beam tomography (CBCT) often makes wonders in the diagnosis and treatment of patients, being used in all clinical branches of dentistry.

These are some examples that prove the usefulness of multidisciplinary approaches in dentistry. Everything is done for the benefit of the patient's health.

If you persuaded yourself to do so, please believe that the purpose of our journal is to cover research topics that will contribute in the future to transforming daily dental practice into that of the future, the modern one.

We all know that we need to contribute to the evidence base necessary to improve

medical practice [5] and that's why by launching the ASMJ we want to contribute actively to the field of dentistry at national and international level.

We thus invite you to publish your relevant research, clinical or theoretical, in ASMJ order to assist the growth of this journal together, and share together the joy of our success.

**Conflict of interest:** None to declare.

## References

1. Ieremia L, Bratu D, et al. Viziunea intersistemică in medicina dentară. Tirgu Mures: Editura Universității Petru Maior; 2006. P. 19-31
2. Kaku M. Prosthodontics: A multidisciplinary field in dentistry. *J Prosthodont Res.* 2016;60(3):143-4.
3. Sognnaes RF. President Washington's most famous dentures stolen from the Smithsonian. *JADA* 1983;106(2):216-8.
4. Boucher CO. Complete denture prosthodontics-the state of the art. *J Prosthet Dent.* 1975;34(4):372-83.
5. Azamfirei L. Critical Thinking for Critical Care. *JCCM* 2015;1(1):3-4

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