

REFeree REPORT

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**Department of Orthodontics, Faculty of Dental Medicine - Medical
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Subject: Vacancy for "Associate Professor",

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The selection is announced for the needs of the Department of Orthodontics - Faculty of Dental Medicine - Varna. There is one candidate -

Dr. Iliyana Georgieva Atanasova, PhD.

I. Analysis of the candidate's career profile.

Dr. Iliyana Georgieva Atanasova was born on 17.02.1979. Graduated from secondary school "St. Kliment Ohridski" - Varna with study of Russian and English.

She was in the first graduating class of the newly formed Faculty of Dental Medicine - Varna. Dr. I. Atanasova graduated in 2011 as a straight A student and was awarded the "Golden Hippocrates". After her graduation, she worked in a Private Dental Office - Varna until 2013, when she won a selection for assistant in the Department of Orthodontics. In parallel, she is the manager of an outpatient socialized dental group practice – a private orthodontic practice.

Dr. Iliyana Atanasova has successively passed through the hierarchy of teaching activity - assistant (2013), chief assistant (2022), chief administrative assistant until now. Dr. Iliyana Atanasova will acquire a specialty in orthodontics in 2020. In 2022 she defended successfully her dissertation on "Evaluation of individual indicators for orthodontic treatment of children in mixed and permanent dentition", whereby she acquired the educational-qualification degree of Doctor.

To the development of the candidate's academic career it should be added that she is about to complete a second Master's degree in Health Management and Medical-Social Care - Faculty of Public Health, Medical University - Varna.

Along with this, Dr. Atanasova has attended over 50 qualification courses in Bulgaria and abroad.

II. General description of the materials submitted for the selection.

The candidate participated in the selection procedure with:

- √ dissertation and abstract - 1;
- √ actual publications in journals, collections and electronic publications - 12, 3 of which are related to the dissertation;
- √ participation with presentations and posters in national and international scientific forums - 7;
- √ monograph "Age determination by morphological and physiological characteristics of dental tissues" - Varna 2023.

Together with the scientifically evaluated elements, the candidate submits all the necessary diplomas and references proving her eligibility for the selection.

III. Evaluation of the candidate's scientific works for the overall academic development

- **General characteristics of scientific production and publication activity** - the majority of scientific works are related to the evaluation of the growth and development of the individual;
 - √ The Willems methodology for the assessment of the dental age - new for Bulgaria - was introduced; √ Studies were made on the correlation between the previously used Demirjian methodology and the Willems one;
 - √ the correlation of the dental and bone age of boys and girls; √ the stages of mineralization of canine, seventh and eighth teeth in the left lower quadrant and their correlation with the Baccetti stage of development;
 - √ established which chronological and bone ages were most appropriate for treatment of skeletal class III with compression and distal maxillary position, and the most appropriate time for treatment of skeletal class II with retromandibularis; √ studies were examined for both sexes. For orthodontists, creating a model to determine the most accurate time for treatment is extremely valuable because at this age there is a marked individuality and difference in boys and girls.
- **Scientific activity - dissemination and application of the candidate's scientific and practical achievements among the scientific community.**

Dr. Atanasova's scientific activity can be grouped as follows:

1. Prognostic studies

A new method of determining the dental age - Willems method - has been introduced; the mineralization of the lateral teeth - the third, seventh and eighth teeth - is assessed and, respectively, to which stage of bone age it corresponds.

2. Diagnostic studies

Dr. Atanasova established a model for determining the pubertal growth period on orthopantomography by assessing individual growth and development indicators.

3. Selection of treatment time - it should be emphasized that Dr. Atanasova's scientific search is aimed at selecting the most appropriate period for the treatment of certain dentofacial deformities that will worsen over time.

4. Prophylactic orientation - starting treatment at the most appropriate period of the individual's development ensures the modeling of morphological structures that will improve function and not worsen dentofacial deformities.

➤ Scientific and creative achievements.

The total number of actual publications is 14, in which the candidate has presented her scientific results.

V. Reflections of the candidate's publications in national and foreign literature

Dr Atanasova has 33 citations according to ResearchGate Profile Iliyana Atanasova

VI. Complex qualitative evaluation of the teaching and methodological work

Dr. Iliyana Atanasova has consistently undergone the comprehensive growth of scientific - teaching staff. The academic transcript presented by her is quite sufficient to be rated as an experienced teacher.

VII. Recommendations

The only recommendation I can make is that Dr. Atanasova continue her scientific search.

VIII. Overall Evaluation

I have known the candidate in the selection procedure, Dr. Iliyana Atanasova, since she joined the Department as an assistant. The fact that she was the "Golden Hippocrates" of the class of 2011 speaks for her perseverance, love for her chosen profession and hard work.

She is attentive and caring to the students and possesses the necessary teaching skills. I believe that Dr. Iliyana Atanasova has the necessary qualities to occupy the academic position of "ASSISTANT PROFESSOR".

IX. Conclusion - Having read the materials presented to me by the candidate Dr. Iliyana Atanasova, I consider that she MEETS the mandatory and specific conditions as well as the scientific-metric criteria for holding the academic position of " ASSISTANT PROFESSOR ".

06.02.2024

City of Sofia

REFEREE:

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