

REVIEW

by Prof. Dr. Nikola Yordanov Kolev, MD
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ABOUT

Announced competition for academic position: "PROFESSOR" in the field of higher education 7. Health and sports, professional field 7.1. Medicine, specialty "Pediatric Surgery" - one (0.5 full-time position) for the needs of the Faculty of Medicine, Department of General and Operative Surgery, published in the State Gazette, issue 8 / 28.01.2020.

Pursuant to the Order of the Rector of the Medical University – Varna № P-109-194/ 03.06.2020 and the decision of the first meeting of the Scientific Jury, held on I have been appointed to prepare an official review as an internal member of the Medical University - Varna.

The only candidate in the announced competition for the academic position "PROFESSOR" at the Department of General and Operative Surgery is Assoc. Prof. Dr. Krassimira Kalinova Atanasova-Georgieva, Ph.D. In the electronic reference according to the current ZRAKSRB it is evident that Assoc. Prof. Krassimira Kalinova meets the requirements for holding the academic position "PROFESSOR", including the additional conditions of the competition - not to apply the requirement of Article 137, paragraph 1, item 6 of PRAS in MU-Varna and the sum of the points for the indicators from item 13 to item 22 for district 7. Health and sports, to be 100 points (hundred), without applying the requirement more than 80 points to be from indicator 14. The candidate has submitted all required documents specified in the regulations for development of the academic staff of MU - Varna. All other mandatory documents are up to date and comply with the requirements.

1. BIOGRAPHICAL DATA

Assoc. Prof. Krassimira Kalinova, MD was born on December 2, 1963 in the town of Dimitrovgrad. He graduated from the Higher Medical Institute - Stara Zagora in 1988, then began

in 1990 specialization in the First Surgical Clinic of MHAT "Prof. Dr. Stoyan Kirkovich" - Stara Zagora. In 1995 he acquired a specialty in General Surgery, and in 1999 in Pediatric Surgery. Since 1990, after a competition, she has been selected as an assistant at the Department of Special Surgery, Faculty of Medicine at the Thracian University. Since 2010 he has held the position of Associate Professor. For the period March 2012-2016 she was elected Head of the Department of Pediatric Surgery, Anesthesiology and Intensive Care at the Medical Faculty of Stara Zagora. Since 2016 he has been a member of the Department of Special Surgery. For the period 2012-2019 he is a member of the Faculty Council of the Medical Faculty - Thracian University.

He has 30 years of experience as a surgeon. After completing his medical education he worked as a district therapist at the OB "St. Ekaterina" - Dimitrovgrad. Since 1990 he has been working at the First First Surgical Clinic of MHAT "Prof. Dr. Stoyan Kirkovich" - Stara Zagora.

Assoc. Prof. Kalinova demonstrates a desire for self-improvement. Attends a number of courses and specializations in the field of general and pediatric surgery, as well as urology in Austria and Germany. Attaches documents for postgraduate qualifications and specializations:

- 2002 Individual course in Bile and Liver Surgery at the Medical Academy - Sofia
- 2002. Individual courses in Abdominal Ultrasound, Upper Endoscopy and Lower Endoscopy at MF-TU.

- 2004 - Certificate for Accreditation of Hospitals and Health Management

Conducted specializations abroad:

- Surgery:

- o Freiburg, Germany - 3 months in a row: October, 2003, 2004, 2006 Kinderchirurgie Klinikum, "Abcrth-Ludwig Uni-versitat" - Freiburg, Germany, Prof. Dr. Klaus-Dieter Rueckauer

- o Seminar of Urology- Salzburg Weill Medical College of Cornell University -29.01- 04.02.2006

- Pediatric Surgery:

- o Salzburg, Austria - October 24 - November 16, 2006 and October 2007, Kinderchirurgie Klinikum, "ST.Jonas Spital" -Universitat Hospital, Salzburg, Austria, Prof. Dr. Gunter Schimpl

Since 2015 she has been a national consultant in pediatric surgery. Since 2019 she has been registered with NACID. External expert at the Fund for treatment of children abroad / until March 2019 / and from 01.04.2019 - External expert at the National Health Insurance Fund. Member of the National Commission for awarding a specialty in Pediatric Surgery.

She is a member of the Union of Scientists, of the BCD, and was in its Presidency. He is a member of the Bulgarian Association of Pediatric Surgeons and its board. He is a member of EUPSA, UEMS and WOFAPS.

Fluent in English and Russian; German language-B1. Computer literacy - Windows XP Pro, Excel, Power Point, Word, Stat View

2. SCIENTIFIC METRICS

The overall scientific activity of Assoc. Prof. Dr. Kalinova, MD is represented by full-text publications and abstracts of congresses, which are a total of 171. After the competition for associate professor, held in 2010, Assoc. Prof. Kalinova presents 31 real full-text publications and 26 papers. at home and abroad. To them - 1 dissertation, 2 monographs in Bulgarian and 2 chapters in monographs in English, and 15 chapters in Bulgarian textbooks. 26 publications are in Bulgarian periodicals and 5 publications in foreign periodicals, 17 participations in congresses abroad and 9 participations in congresses in Bulgaria.

The scientific production of Assoc. Prof. Dr. Kalinova, MD is considered in the following sections: chapter "TEXTBOOKS AND MONOGRAPHS", divided into those abroad and in Bulgaria, presents a variety of topics in the field of surgery related to the diagnosis and treatment of some major surgical diseases in general and pediatric surgery. There are 2 participations in monographs in Bulgarian, as well as chapters in 2 foreign editions and 15 publications in textbooks in Bulgarian. Reports from Proceedings of the National Congresses of General and Pediatric Surgery are presented. All of them address current problems mainly in pediatric abdominal surgery such as: diagnosis and treatment of echinococcosis, innovations in the diagnosis and treatment of planned and emergency conditions in childhood, new opportunities in the treatment of problematic emergencies and infections in childhood.

The section "PUBLICATIONS IN FOREIGN PERIODICAL MAGAZINES" presents 5 articles, some of which discuss innovations in the diagnosis of rare and urgent diseases in children. Full-text articles are accepted and printed after precise review, in renowned world journals such as: ACADEMIA JOURNAL OF SCIENTIFIC RESEARCH and Merit Research Journal of Medicine and Medical Sciences (with Impact factor 3,502 four-thirty articles), the topic is mainly on modern diagnosis and treatment of echinococcosis in childhood and cases in pediatric surgical practice.

In the section "PUBLICATIONS IN BULGARIAN PERIODICAL JOURNALS" are presented 37 real publications in Bulgarian periodicals, published after participation in a competition for "associate professor", in refereed journals: Surgery, Trakia Journal of Sciences, Visceral Surgery, Medical of IMAB. The problems in the diagnosis and the variants of the conventional operative treatment in accordance with the manifestation in childhood are considered. To a large extent related to this topic are the articles dedicated to liver surgery, which are primarily related to the diagnosis and treatment of hepatic echinococcus, peritonitis and ileus. Several publications are related to laparoscopic surgery, and this type of treatment is limited to pediatric pathology, hepatic echinococcus.

Separate articles are devoted to complications in hepatobiliary surgery, surgical behavior towards patients with mechanical jaundice, ileus. Intraoperative methods for functional assessment of organs during anastomosis are considered. Publications related to the diagnosis and surgical treatment of rare diseases in children and peritonitis are presented. Emphasis in the publishing activity are the modern operative methods for hepatic echinococcosis, hypospadias, as well as developments on abdominal pain and related diagnoses.

In the section "PARTICIPATION IN CONGRESSES IN BULGARIA AND ABROAD" are presented 26 scientific papers, after the competition for "associate professor", from participations with plenary reports in international congresses in London, Istanbul, Vienna, Berlin, Belgrade, Bucharest, Berlin, Beijing, as well as and numerous participations in national conferences and congresses.

Assoc. Prof. Kalinova is the first author in 24 out of 31 real publications after a competition for associate professor / 77% /, second author - in 4, third - in 3 publications.

38 citations were presented in foreign journals after the election as associate professor. References for impact factor of publications in foreign journals with personal impact factor for articles - 11,214 and total impact factor - 44,814 are presented. IF for citations -33.60, Magazines with IF - 29, without IF - 5

Assoc. Prof. Kalinova has accredited the scientific specialty Pediatric Surgery for the period 2012-2017 and is the scientific supervisor of 2 doctoral students, one of whom successfully defended his dissertation in 2019. After re-accreditation of the scientific specialty for the period 2020-2025 he is currently a scientific consultant. one doctoral student.

Various topics of general problems (neck diseases, biliary-hepatic surgery, purulent-septic surgery, asepsis and antiseptics) and pediatric surgery are covered in the published textbooks and manuals.

Monographs and textbooks:

- "Handbook of Outpatient Surgery" 2000
- "Surgery-Clinical Surgery" - Volume III - 2000
- "Surgical Diseases - for Medical Colleges" - 2001
- "Symptoms and syndromes in surgery and rare surgical diseases" - 2004
- Surgical diseases for medical professionals - 2012
- Surgical diseases and pediatric surgery for medical students – 2015

3. SCIENTIFIC AND PRACTICAL CONTRIBUTIONS

I acknowledge the following contributions of Assoc. Prof. Krassimira Kalinova, MD, which are divided into the following categories:

1. Pediatric surgery
2. Health management and history of surgery
3. General surgery
4. Biliary and hepatic surgery
5. Purulent-septic surgery
6. Endocrine surgery
7. Thoracic surgery
8. Pediatric urology

1. Based on the analysis of the achieved operative results from long-term observation, a diagnostic-therapeutic algorithm for echinococcosis of the liver in children and adults has been developed, with the maximum permit possibility.
2. The indications for choosing an operative method for the treatment of complicated and uncomplicated hepatic echinococcosis are specified.
3. The positive and negative sides of the operative methods - conservative and radical - in the various forms of echinococcosis, as well as the importance of good obliteration of the residual cavity to prevent possible complications have been established.
4. A clinical-organizational model of dispensary follow-up of the operated patients has been developed and a number of proposals are made for organized control of echinococcosis and hepatic focal lesions.
5. Participation in projects on the problem of prevention of echinococcosis in humans.
6. For the first time in our country are presented histological, immunohistochemical and electron microscopic evidence for the presence of fibrosclerotic changes in the pekacystic liver parenchyma before the use of scolicial agent, requiring refinement of surgical technique and type of parasitocidal treatment of pericocyst in echo.
7. For the first time in our country is presented an experience for classification and rare symptoms of echinococcosis, as well as the treatment of rare localizations of the disease.
8. The causes are investigated and the indications for conservative and surgical treatment of biliary sepsis and acute pancreatitis in children are specified.
9. The indications in surgical treatment of different types of hernias in children are presented, with special attention for treatment in the newborn age. The indications for surgical treatment of hernias and cryptochism in childhood, as well as Amayand's hernia, have been extensively studied.
10. The indications and the time for operative resolution in the most common pediatric surgical diseases are specified, as a special place is given in the adequate period for surgery of the retained testicles. The postoperative follow-up shows a good choice of operative access and proven preserved reproductive capabilities of the operated.

PURULENT-SEPTIC SURGERY

11. The issue of the diagnosis and etiopathogenetic treatment of SIRS and atypical appendicitis, anaerobic infection, as well as the diagnosis and etionatigenetic treatment of perforated peritonitis is being developed.
12. Development of the issue of diagnosis and etiopathogenetic treatment of acute purulent infection in adults and children, considering the importance of inflammatory predictors and preoperative assessment of the disease.
13. A first-of-its-kind study was conducted and a critical analysis of the complex of modern preoperative markers of inflammation of atypical appendicitis associated with SIRS, the

applied perioperative therapeutic approach, in order to reduce the hospital stay of the operated and the type of surgery / conventional or laparoscopically /. Contributions with practical-applied character on the basis of personal practical experience - an adequate diagnostic-treatment algorithm for diagnosis and treatment has been developed

14. Contribution to the study is to clarify the sensitive markers of inflammation (leukocytosis, CRP, ferritin, procalcitonin, Il-6, IgG and IgM) and their association as predictive of SIRS outcome. The microbiological manifestation of the disease / mono- and polyinfection /, the type of inflammation of acute appendicitis and its localization, compared with the positive criteria of SIRS, were studied. The analysis of the manifestations of SIRS and the applied perioperative therapeutic approach / perioperative antibiotic therapy / in order to reduce the hospital stay of the operated is adequate and practical. The results also analyzed the duration of hospital stay in acute appendicitis with SIRS and the type of surgery.
15. The problem of surgical sepsis, as a possible complication of the perforated appendix / with its atypical forms / and perforated echinococcal cyst, is thoroughly considered in the scientific articles.
16. Development of the problem of felinosis, lymphoproliferative diseases, mesenteric nonspecific lymphadenitis in childhood - diagnosis and treatment. The inflammatory laboratory predictors of OHC diseases have been identified and analyzed in a project.

ENDOCRINE SURGERY

17. The indications for surgical intervention in nodular goiter and dispensary follow-up, especially in children, are specified.
18. The indications for surgical intervention in thyroiditis and Hashimoto's and thyroid cancer are specified, as well as their dispensary follow-up.
19. The problem of the indications and surgical treatment of juvenile myasthenia gravis has been thoroughly considered.

ORTHOPEDICS

20. Rare localizations of an echinococcal cyst / including in the bone / are presented and the possibilities for surgical intervention in this disease are discussed.

CHEST SURGERY

21. A diagnostic and treatment algorithm for echinococcosis of the lung has been developed on the basis of an analysis of the achieved operative results from 15 years of observation in adults and children, with a very good permitting potential.
22. The indications for surgical treatment of pulmonary complications are considered.

PEDIATRIC SURGERY

23. Development of the problem for treatment of mesenteric cysts and ileus in children.
24. Etiopathogenetic refinement of the treatment of vascular abnormalities in children.
25. Developing the problem of intraoperative autospplenization after splenectomy.
26. In the field of pediatric urology the results between two- and one-stage urethroplasty in children with proximal hypospadias are compared, as well as the time for correction is specified.
27. The articles for laparoscopic cholecystectomy in children - single / SILS / - and multiport are also contributions.
28. The possibilities of intraoperative ultrasound in addition to the standard intraoperative exploration are analyzed.

HEALTHCARE MANAGEMENT

29. The possibilities for optimizing the care for patients with breast cancer and the team treatment of patients with general purulent infection are considered.
30. Introduction in the practice of the surgical clinic of the principle of short-term one-day surgery.
31. The possibilities and applied systems of protocols for fast recovery aimed at shortening the hospital stay and faster postoperative recovery have been studied.

4. TEACHING AND TEACHING ACTIVITY

Since 2010 he has been conducting a lecture course for 3rd and 4th year students for Bulgarian and English students in Pediatric Surgery at the Medical Faculty - Stara Zagora and since 2018 - at the Medical University "Paraskev Stoyanov" - Varna / 3rd year Bulgarian and English students /.

Since 2010 he has been a lecturer and examiner in Surgery in the curriculum of the specialty "Nurse" and "Social Activities" -MF-TrU Stara Zagora, as well as in the specialty "Nurse" at the Medical College-Haskovo, Thracian University.

Assoc. Prof. Kalinova is a research supervisor of two doctoral students with successfully defended dissertations.

She has given academic lectures at the Clinic of Surgery and Pediatric Surgery at the University Hospital, Würzburg and at the University Hospital Porto, Portugal.

Participates as a leader of 4 research projects and a reviewer of scientific papers - Journal "Parasitology International", as well as a reviewer of 4 research projects.

5. SUPPLEMENTARY DOCUMENTS

In his daily practice he performs diagnostics and surgical treatment of various planned and emergency operations for diseases of the visceral organs, as well as urological diseases in childhood.

CONCLUSION

Presented by Assoc. Prof. Krassimira Kalinova, MD documents and her professional and academic development fully meet the requirements for acquiring the academic position "PROFESSOR", defined in the rules of development of the academic staff at the Medical University "Prof. P. Stoyanov"- Varna. Given the undeniably high level of professionalism of Assoc. Prof. Kalinova, both a lecturer and a modern surgeon, I propose to the scientific jury to vote positively for her election to the academic position of "PROFESSOR".

July 27, 2020
Varna

Prof. Dr. N Kolev, MD
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