CLINIC OF GASTROENTEROHEPATOLOGY – OVERVIEW OF ACTIVITIES

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Abstract

The clinic of Gastroenterohepatology Clinic is a part of the Medical Faculty Skopje and University "St. Cyril and Methodius University, Skopje". It is organized as an educational, scientific and medical care institution. There are four diagnostic departments: an out-patients department, endoscopic department, ultrasound department and X-ray department. During the last several decades, the Clinic of Gastroenterohepatology Clinic has been intensively developed, primarily because of introducing the most recent and modern knowledge in gastroenterology, continuous medical education of the personnel as well education of the doctors and other medical personal from the other medical centers in Macedonia and neighbouring countries. The hospital part of the Clinic is organized in three divisions, including an intensive care unit. In the department of Ultrasound are performed the most modern diagnostic and therapeutic procedures are performed in the Ultrasound department for: different various liver diseases, benign and malignant liver diseases, bilirye ducts obstructions, pancreas diseases, spleen diseases, and various abdominal and kidney diseases.

Key words: Clinic of Gastroenterohepatology, liver diseases, bilirye ducts obstructions, pancreas diseases, spleen diseases, abdominal and kidney diseases.

The Gastroenterohepatology Clinic is a part of the Medical Faculty and St. Cyril and Methodius University, Skopje. It is organized as an educational, scientific and medical care institution. The clinic has a capacity of 60 beds, 11 of them in the intensive care unit, and one apartment.

There are four diagnostic departments: an out-patients department, endoscopic department, ultrasound department and X-ray department. The out-patient department has a consultative function. The endoscopic department consists of several parts: upper gastrointestinal endoscopy, interventional upper gastrointestinal endoscopy, recto-colonoscopy and interventional recto-colonoscopy. The ultrasound department consists of four parts: basic and interventional diagnostic and therapeutic ultrasound, endosonography and colour doppler ultrasound. Most of the diagnostic and therapeutic interventional procedures for biliary system diseases are performed in the X-ray department.

Over the last several decades, the Gastroenterohepatology Clinic has been intensively developed, primarily because of introducing the most recent and modern knowledge in gastroenterology, continuous medical education of the personnel as well education of the doctors and other medical personal from other medical centres in Macedonia and neighbouring countries. It is particularly important to point out that since this number of diagnostic and therapeutic interventional procedures for the treatment of gastrointestinal diseases and liver diseases has been employed, the Gastroenterohepatology Clinic has become the leading institution in the Republic of Macedonia and in the wider region.

The hospital part of the Clinic is organized in three divisions, including an intensive care unit. The Clinic has the capacity for precise diagnosis and adequate treatment of most of the gastrointestinal, liver, pancreas and biliary system diseases. An important place is given to interventional diagnostic and therapeutic endoscopic procedures for ulcer disease and bleeding complications, varices bleeding, malignant diseases, benign tumour diseases, inflammatory bowel disease, haemorrhoids and complications. In particular, very good results have been obtained for the treatment of acute gastrointes-
tinal bleeding, biliary obstructive diseases and pancreas diseases (sclerosation, ligation, papilotomy, foreign body extraction, bile duct gall stones extraction and endoprotesis implantation into the bile duct).

The most modern diagnostic and therapeutic procedures are performed in the Ultrasound department for: various liver diseases, benign and malignant liver diseases, bile duct obstructions, pancreas diseases, spleen diseases, and various abdominal and kidney diseases. Important among these activities are invasive therapeutic procedures such as: fine needle biopsy guided by ultrasound, sclerosation of tumour lesions, percutaneous drainage of abdominal or liver collection, percutaneous biliary drainage, percutaneous biliary endoprothesis implantation, cistogastrostomy and nephroprostomy procedures.

There are 23 doctors employed, including one member of the Macedonian Academy of Sciences and Arts, seven professors, one assistant professor, six assistants and seven doctors specialising in gastroenterology. 11 of the 23 doctors have a PhD degree, 4 a master’s degree. Other medical personnel include 44 nurses and 23 additional personnel.

The Gastroenterology Clinic participates in the educational programme for medical students, students from the Pharmaceutical Faculty, the Dentistry Faculty for undergraduate students, post-graduate students following a master’s programmes, and educational programmes in medicine and gastroenterology specialization. Doctors from the Gastroenterohepatology Clinic participate actively in the continuous medical education programme for physicians and gastroenterohepatologists together with the Macedonian Association of Gastroenterology by organizing conferences and meetings regularly four times a year.

In collaboration with the Stability Pact (DAAD), the Gastroentreohepatology Clinic has twice organized a Balkan school in gastroenterohepatology for the Balkan countries. As a member of the European and World Gastroenterology Association, the Gastroenterohepatology Clinic has organized eight national congresses with international participation. A number of well known gastroenterologists from Europe, the USA and Japan have taken part in the conferences. The Gastroenterohepatology Clinic is connected with several prestigious gastroenterological centres and many of its doctors have visited educational programmes in Nurnberg, Hamburg, Copenhagen, Berlin, Bergamo, Philadelphia, Paris, Sofia and Tokyo.

The scientific activities at the Gastroenterohepatology Clinic are represented by the publication of a number of books, articles and projects, some of which are presented below.

List of published books
10. Internal Medicine, co-authors: Prof. Vasko Vasilevski, Prof. Milena Arsova Ilijevska, Prof. Mirko Krstevske, Prof. Petranke Misevska, Prof. Metodija Neskovski, Prof. Rozalinda Popova, Vladimir Serafimoski, Skopje, 2004.

List of scientific projects
1. The role of Helicobacter pylori virulence (VacA and CagA protein) in pathogenesis of chronic gastric and peptic ulcer disease in correlation with local and systematic immune response, Prof. Howard Steer, Department of Surgery, Southampton General Hospital, UK. Clinical coordinator in Macedonia: Prof. Vladimir Serafimoski, Department of Gastroenterohepatology, Clinical Centre, Skopje, R. Macedonia, 2000.
2. Serological markers of chronic infection with hepatitis B virus, Prof. C. H. Schroeder, Deutsches Krebsforschungszentrum im Neuenheimer Feld 280.69120, Heidelberg, Deutschland, Prof Dr V. Serafimoski and Prof. M. Ilievska Arsova, Department of Gastroenterohepatology, Clinical Centre, Skopje, R. Macedonia, 1998.
3. Renal impairment in patients with inflammatory bowel disease, Prof Dr. M. E De Broe and M. Elseviers,
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University Hospital, Antwerp, Belgium, participants: 1. P. Colombel-Lile (France); 2. Reiger-Napoli (Italy), 3. Coordinator for R. Macedonia: Prof. V. Serafimoski, Prof. P. Misevaka, Prof. M. Krstevski and Dr G. Deriban, Skopje (R. Macedonia). 4. Dr Djurano-vic, Belgrade, (Yugoslavia), International multicentric study, 1999.


7. The role of drug treatment in portal hypertension and bleeding prevention in patients with liver cirrhosis, principal investigator, V. Serafimoski, associates: Prof. M. Krstevski, Prof. N. Joksimovik, Dr. J. Misevski, Dr. M. Milosevski.

8. Project: Clinical malnutrition, participants: ACCN (Adriatic Club for Clinical Nutrition), Gastroenterology Clinic, Zagreb, Military-medical Academy, Belgrade, Clinical Centre, Ljubljana, Clinical Centre, Sarajeko, conducted by: Dr. Kalinina Griveeva Star-delova, Asst. Prof. Zelko Kzrnanik, Dr. Marina Pani-sik, Dr. Nenad Vanis, Dr. Ziva Mravje.

9. The role of total antioxidant status in: 1. Fatty liver disease, 2. Malignant liver tumour diseases (primary and secondary). Principal investigators: Prof. V. Serafimoski and Prof. M. Ilievski-Arsova, associates: Prof. G. Petrusevska, Prof. M. Neskovski, Prof. R. Popova, Prof. N. Joksimovik, Prof. V. Calovska, Asst. Prof. M. Trakovska, Dr. M. Genadijeva, Dr. M. Milosevski.

10. A randomized, double-blind, placebo-controlled parallel group multicentre study to investigate the efficacy and safety of ITF 2357 in the management of patients with active moderate to severe Crohn’s disease, principal investigators Prof. P. Misevska and Prof. M. Krstevski, associates: Prof. V. Vasilevski, Prof. D. Orovcane, Dr. G. Deriban, Dr. D. Trajkov, Dr. V. Andreevski.

11. Epidemiology of Crohn’s disease and ulcerative colitis patients in R. Macedonia, principal investigators Prof. P. Misevska and Prof. M. Krstevski, associates: Prof. V. Vasilevski, Prof. D. Orovcane, Dr. G. Deriban, Dr. D. Trajkov and Dr. V. Andreevski.

12. Gastric cancer, principal investigator, Acad. V. Sera-fimoski.

Projects currently conducted

1. The role of the B virus pre-core mutant in chronic hepatitis: serological, clinical and hystomorphological characteristics, principal investigators: Prof. M. Neskovski, Prof. V. Calovska-Ivanova.

2. Multicentre open label trial on treatment efficacy and safety in patients with chronic hepatitis C receiving ribavirin combination therapy, principal investigators: Prof. M. Neskovski, Prof. V. Serafimoski, Prof. V. Calovska-Ivanova.

3. The influence of biopolymer inter-reactions over the transportation of the therapeutic substance from citizin-alginat colloid carriers, Faculty of Pharmacy, Faculty of Science and Mathematics, Gastroentero-hepatology Clinic, Skopje, Prof. P. Misevska, Prof. M. Krstevski, collaboration between Canada and R. Macedonia.

Several professors from the gastroenterohepatology Clinic participated as co-authors in the following books: Internal Medicine, Internal Propedeutics, and Handbook for Internal Propedeutics.

Over the years, the number of patients treated in the Clinic has rapidly increased. Annually, there are some 1,800 hospitalized patients, 20,000 consultations in the out-patient department, 7,000 ultrasound examinations, 6,000 endoscopic examinations, 2,000 invasive diagnostic and therapeutic procedures, 1,000 percutaneous invasive procedures, and 350 patients on hemotherapy.

Резиме

КЛИНИКА ЗА ГАСТРОЕНТЕРОХЕПАТОЛОГИЈА – ПРЕГЛЕД НА АКТИВНОСТИ

Серафимоски В.

Македонска академија на науките и уметностите, Скопје, Р. Македонија

Клиниката за гастроентерохепатологија е дел од Медицинскиот факултет у Универзитетот „Св Кирил и Методиј“, Скопје. Таа е организирана како образовна, научна и медицинска установа. Постојат четири дијагностички оддел: амбулантен оддел, ендоскопски оддел, оддел за ултразвук и оддел за рендген. Во текот на последните неколку децении, Клиниката за гастроентерохепатологија интензивно се развива, првенствено поради воведувањето на најновите и најсовремените познавања во гастроентерологијата, континуираната медицинска едукација на персоналот, како и едукацијата на лекарите и другиот медицински персонал од другите медицински центри во Македонија и соседните земји. Болничкиот дел на Клиниката е организиран во три оддели, вклучувајќи и единица за интензивна нега. Најсовремените дијагностички и терапевтички процедури се изведуваат на одделот за ултразвук за: разни
болести на црниот дроб, бенигни и малитни болести
на црниот дроб, опструции на жолчниот канал, бо-
лести на панкреасот, болести на слезината и разни
стомачни и бубренските болести.

Ключни зборови: Клиника за гастроентерохе-
патологија, болести на црниот дроб, опструции на
жолчниот канал, болести на панкреасот, болести на
слезината, стомачни и бубренските болести.

Acad. Vlado Serafimoski

Chairmanship of the Symposium