

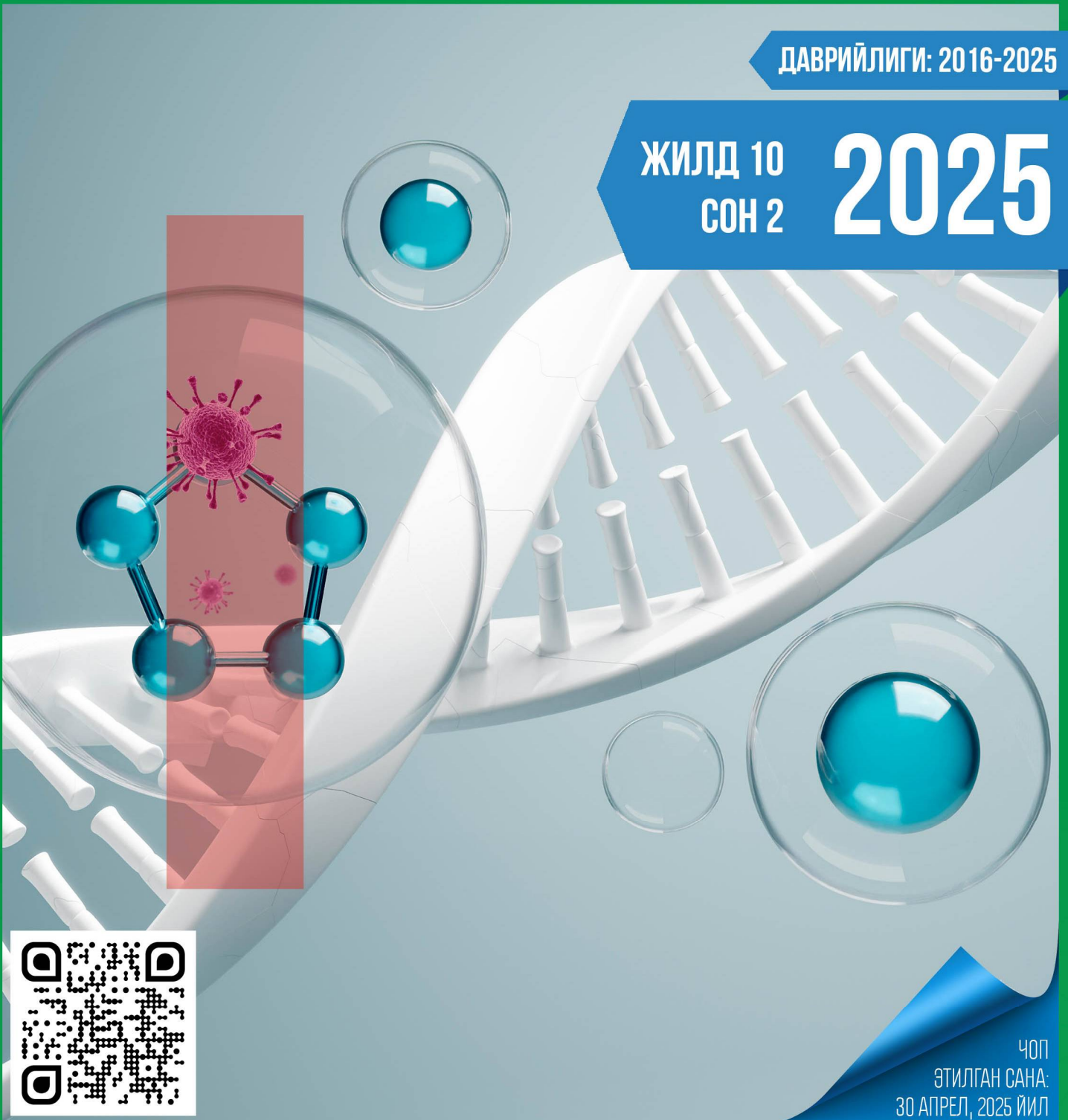
БИОМЕДИЦИНА ВА АМАЛИЁТ ЖУРНАЛИ

ЖУРНАЛ БИОМЕДИЦИНЫ И ПРАКТИКИ
JOURNAL OF BIOMEDICINE AND PRACTICE

ДАВРИЙЛИГИ: 2016-2025

ЖИЛД 10
СОҢ 2

2025



ЧОП
ЭТИЛГАН САНА:
30 АПРЕЛ, 2025 ЙИЛ

БИМЕДИЦИНА ВА АМАЛИЁТ ЖУРНАЛИ

10 ЖИЛД, 2 СОН

ЖУРНАЛ БИМЕДИЦИНЫ И ПРАКТИКИ

ТОМ 10, НОМЕР 2

JOURNAL OF BIOMEDICINE AND PRACTICE

VOLUME 10, ISSUE 2



Бош муҳаррир:

Ризаев Жасур Алимжанович
тиббиёт фанлари доктори, профессор,
Самарқанд давлат тиббиёт университети ректори
ORCID ID: 0000-0001-5468-9403

Бош муҳаррир ўринбосари:

Зиядуллаев Шухрат Худайбердиевич
тиббиёт фанлари доктори, Самарқанд давлат тиббиёт
университети Илмий ишлар ва инновациялар бўйича
проректори, **ORCID ID:** 0000-0002-9309-3933

Масъул котиб:

Самиева Гулноза Утқуровна
тиббиёт фанлари доктори, профессор,
Самарқанд давлат тиббиёт университети
ORCID ID: 0000-0002-6142-7054

Нашр учун масъул:

Шаханова Шахноза Шавкатовна
PhD, Самарқанд давлат тиббиёт университети,
онкология кафедраси доценти
ORCID ID: 0000-0003-0888-9150

ТАХРИРИЯТ КЕНГАШИ:

Арипова Тамара Уктамовна

*Иммунология ва инсон геномикаси институти директори –
тиббиёт фанлари доктори, профессор, Ўзбекистон
Республикаси Фанлар академияси академиги*

Jin Young Choi

*Сеул миллий университети Стоматология мактаби оғиз ва
юз-жағ жарроҳлиги департаменти профессори, Жанубий
Кореянинг юз-жағ ва эстетик жарроҳлик ассоциацияси
президенти*

Абдуллаева Наргиза Нурмаматовна

*тиббиёт фанлари доктори, профессор, Самарқанд
давлат тиббиёт университети проректори, 1-клиникаси бош
врачи. **ORCID ID:** 0000-0002-7529-4248*

Орипов Фирдавс Суръатович

*тиббиёт фанлари доктори, профессор, Самарқанд
давлат тиббиёт университети Гистология, цитология ва
эмбриология кафедраси мудири
ORCID ID: 0000-0002-0615-0144*

Мавлянов Фарход Шавкатович

*тиббиёт фандар доктори, Самарқанд давлат тиббиёт
университети болалар жарроҳлиги кафедраси доценти
ORCID ID: 0000-0003-2650-4445*

Магзумова Наргиза Махкамовна

*тиббиёт фанлари доктори, Тошкент тиббиёт
академияси Оилавий тиббиётда акушерлик ва гинекология
кафедраси профессори **ORCID ID:** 0000-0002-9313-4918*

Очилов Улугбек Усмонович

*PhD, доцент, СамДТУ Дипломдан кейинги таълим
факултети Психиатрия курси мудири. СамДТУ Илмий
кенгаши котиби. <https://orcid.org/0000-0003-3553-8727>*

Шавази Наргиз Нуралiena

*DSc. Доцент, СамДМУ 3-сон акушерлик ва гинекология
кафедраси мудири <https://orcid.org/0000-0001-7859-9955>*

Юлдашев Равшан Захидович

*Тоҷикистон Давлат тиббиёт университети Онкология
ва нур таъхис кафедраси мудири, Тиббиёт фанлари
доктори, Профессор. Душанбе, Тоҷикистон.
<https://orcid.org/0009-0002-7165-5373>*

Сандов Сандамир Абборович

*тиббиёт фанлар доктори,
Тошкент фармацевтика институти
ORCID ID: 0000-0002-6616-5428*

Бабалжанов Ойбек Абдуҷаббарович

*тиббиёт фанлари доктори, Тошкент педиатрия
тиббиёт институти, Тери-таносил, болалар
тери-таносил касалликлари ва ОИТС
ORCID ID: 0000-0002-3022-916X*

Теребаев Билим Алдамуратович

*тиббиёт фанлари доктори, доцент, Тошкент
педиатрия тиббиёт институти Факультет болалар
хирургия кафедраси. **ORCID ID:** 0000-0002-5409-4327*

Юлдашев Ботир Ахматович

*тиббиёт фанлари номзоди,
Самарқанд давлат тиббиёт университети
№2-сон Педиатрия, неонатология ва болалар
касаликлари пропедевтикаси кафедраси доценти.
ORCID ID: 0000-0003-2442-1523*

Ибрагимова Малика Худайбергеновна

*тиббиёт фанлари доктори, профессор
Тошкент давлат стоматология институти
ORCID ID: 0000-0002-9235-1742*

Рахимов Нодир Махамматкулович

*тиббиёт фанлари доктори, Самарқанд давлат
тиббиёт университети, онкология кафедраси профессори
ORCID ID: 0000-0001-5272-5503*

Даминов Феруз Асадуллаевич

*Самарқанд давлат тиббиёт университети,
2-сон Даволаш факултети декани,
тиббиёт фанлари доктори, доцент.
Самарқанд, Ўзбекистон.*

Миржурев Элбек Миршавкатович

*тиббиёт фанлари доктори, профессор
ЎзССВ Тиббий ходимларни касбий малакасини
ривожлантириши марказининг Нейрореабилитация
кафедраси мудири, Тошкент, Ўзбекистон*

Саҳифаловчи: Хуршид Мирзахмедов

Контакт редакций журналлов. www.tadqiqot.uz

ООО Tadqiqot город Ташкент,
улица Амира Темура пр.1, дом-2.

Web: <http://www.tadqiqot.uz/>; E-mail: info@tadqiqot.uz

Тел: (+998-94) 404-0000

Editorial staff of the journals of www.tadqiqot.uz

Tadqiqot LLC The city of Tashkent,
Amir Temur Street pr.1, House 2.

Web: <http://www.tadqiqot.uz/>; E-mail: info@tadqiqot.uz

Phone: (+998-94) 404-0000

Главный редактор:

Ризаев Жасур Алимджанович
доктор медицинских наук, профессор, Ректор Самаркандского государственного медицинского университета, **ORCID ID:** 0000-0001-5468-9403

Заместитель главного редактора:

Зиядуллаев Шухрат Худайбердиевич
доктор медицинских наук, проректор по научной работе и инновациям Самаркандского государственного медицинского университета, **ORCID ID:** 0000-0002-9309-

Ответственный секретарь:

Самиева Гульноза Уткуровна
доктор медицинских наук, профессор Самаркандского государственного медицинского университета.
ORCID ID: 0000-0002-6142-7054

Ответственный за публикацию:

Шаханова Шахноза Шавкатовна
PhD, доцент кафедры онкологии Самаркандского государственного медицинского университета
ORCID ID: 0000-0003-0888-9150

РЕДАКЦИОННЫЙ КОЛЛЕГИЯ:

Арипова Тамара Уктамовна

директор Института иммунологии и геномики человека доктор медицинских наук, профессор, академик АН РУз

Jin Young Choi

профессор департамента оральной и челюстно-лицевой хирургии школы стоматологии Стоматологического госпиталя Сеульского национального университета, Президент Корейского общества челюстно-лицевой и эстетической хирургии

Абдуллаева Наргиза Нурмаматовна

доктор медицинских наук, профессор, проректор Самаркандского государственного медицинского университета, **ORCID ID:** 0000-0002-7529-4248

Орипов Фирдавс Суръатович

доктор медицинских наук, профессор, заведующий кафедрой Гистологии, цитологии и эмбриологии Самаркандского государственного медицинского университета
ORCID ID: 0000-0002-0615-0144

Мавлянов Фарход Шавкатович

доктор медицинских наук, доцент кафедры Детской хирургии Самаркандского государственного медицинского университета, **ORCID ID:** 0000-0003-2650-4445

Магзумова Наргиза Махкамовна

Доктор медицинских наук, профессор кафедры акушерства и гинекологии Семейной медицины Ташкентской медицинской академии
ORCID ID: 0000-0002-9313-4918

Очилов Улугбек Усманович

PhD, доцент, заведующий курсом психиатрии факультета постдипломного образования СамГМУ. Секретарь Ученого совета СамГМУ.
<https://orcid.org/0000-0003-3553-8727>

Шавази Наргиз Нуралиевна

DSc. доцент, заведующая кафедрой акушерства и гинекологии N 3 СамГМУ.
<https://orcid.org/0000-0001-7859-9955>

Юлдашев Рашид Захидович

Заведующий кафедрой Онкологии и лучевой диагностики Таджикского медицинского университета, д.м.н., профессор. Душанбе, Таджикистан
<https://orcid.org/0009-0002-7165-5373>

Саидов Сандамир Аброрович

доктор медицинских наук, Ташкентский фармацевтический институт
ORCID ID: 0000-0002-6616-5428

Бабаджанов Ойбек Абдужаббарович

доктор медицинских наук, Ташкентский педиатрический медицинский институт, кафедра Дерматовенерология, детская дерматовенерология и СПИД, **ORCID ID:** 0000-0002-3022-916X

Теребаев Билим Алдамуратович

доктор медицинских наук, доцент кафедры Факультетской детской хирургии Ташкентского педиатрического медицинского института.
ORCID ID: 0000-0002-5409-4327

Юлдашев Ботир Ахматович

кандидат медицинских наук, доцент кафедры Педиатрии, неонатологии и протекции детских болезней №2 Самаркандского государственного медицинского университета
ORCID ID: 0000-0003-2442-1523

Ибрагимова Малика Худайбергеновна

доктор медицинских наук, профессор Ташкентского государственного стоматологического института
ORCID ID: 0000-0002-9235-1742

Рахимов Нодир Махамматкулович

доктор медицинских наук, профессор кафедры онкологии Самаркандского государственного медицинского университета
ORCID ID: 0000-0001-5272-5503

Даминов Феруз Асадуллаевич

Декан лечебного факультета №2 Самаркандского государственного медицинского университета, доктор медицинских наук, доцент. Самарканд, Узбекистан.

Мирджурев Эльбек Миршавкатович

Заведующий кафедрой Нейрореабилитации Центра развития профессиональной квалификации медицинских работников МЗ РУз, д.м.н., профессор Ташкент, Узбекистан

Верстка: Хуршид Мирзахмедов

Контакт редакций журналов. www.tadqiqot.uz
ООО Tadqiqot город Ташкент,
улица Амира Темура пр.1, дом-2.
Web: <http://www.tadqiqot.uz/>; E-mail: info@tadqiqot.uz
Тел: (+998-94) 404-0000

Editorial staff of the journals of www.tadqiqot.uz
Tadqiqot LLC The city of Tashkent,
Amir Temur Street pr.1, House 2.
Web: <http://www.tadqiqot.uz/>; E-mail: info@tadqiqot.uz
Phone: (+998-94) 404-0000

Chief Editor:

Rizaev Jasur Alimjanovich
MD, DSc, Professor of Dental Medicine,
Rector of the Samarkand State Medical University
ORCID ID: 0000-0001-5468-9403

Deputy Chief Editor:

Ziyadullaev Shukhrat Khudayberdievich
Doctor of Medical Sciences, Vice-Rector for scientific work
and Innovation, Samarkand State Medical University
ORCID ID: 0000-0002-9309-3933

Responsible secretary:

Samieva Gulnoza Utkurovna
doctor of Medical Sciences, Professor,
Samarkand State Medical University
ORCID ID: 0000-0002-6142-7054

Responsible for publication:

Shakhanova Shakhnoza Shavkatovna
PhD, Docent Department of Oncology
Samarkand State medical university
ORCID ID: 0000-0003-0888-9150

EDITORIAL BOARD:

Aripova Tamara Uktamovna

*Director of the Institute of Immunology and Human Genomics -
Doctor of Medical Sciences, Professor, Academician of the
Academy of Sciences of the Republic of Uzbekistan*

Jin Young Choi

*Professor Department of Oral and Maxillofacial
Surgery School of Dentistry Dental Hospital
Seoul National University, President of the
Korean Society of Maxillofacial Aesthetic Surgery*

Abdullaeva Nargiza Nurmatovna

*Doctor of Medical Sciences, Professor, Vice-Rector
Samarkand State Medical University, Chief Physician of
the 1st Clinic ORCID ID: 0000-0002-7529-4248*

Oripov Firdavs Suratovich

*Doctor of Medical Sciences, Professor,
Head of the Department of Histology, Cytology and
Embryology of Samarkand State Medical University.
ORCID ID: 0000-0002-0615-0144*

Mavlyanov Farkhod Shavkatovich

*Doctor of Medicine, Associate Professor of Pediatric
Surgery, Samarkand State Medical University
ORCID ID: 0000-0003-2650-4445*

Magzumova Nargiza Makhamovna

*Doctor of Medical Sciences, Professor, Department
of Obstetrics and Gynecology, Family Medicine, Tashkent
Medical Academy. ORCID ID: 0000-0002-9313-4918*

Ochilov Ulugbek Usmanovich

*PhD, Docent, Head of the Psychiatry Course at the Faculty of
Postgraduate Education of SamSMU. Secretary of the Academic
Council of SamSMU. <https://orcid.org/0000-0003-3553-8727>*

Shavazi Nargiz Nuraliyena

*DSc, Associate Professor, Head of the Department of Obstetrics
and Gynecology N 3 of Samarkand State Medical University.
<https://orcid.org/0000-0001-7859-9955>*

Yuldashev Ravshan Zakhidovich

*Head of the Department of Oncology and Radiation Diagnostics
at Tajik State Medical University, Doctor of Medical Sciences,
Professor. Dushanbe, Tajikistan <https://orcid.org/0009-0002-7165-5373>*

Saidov Saidamir

*Doctor of Medical Sciences,
Tashkent Pharmaceutical Institute,
ORCID ID: 0000-0002-6616-5428*

Babadjanov Oybek Abdujabbarovich

*Doctor of sciences in medicine, Tashkent Pediatric
Medical Institute, Department of Dermatovenerology,
pediatric dermatovenerology and AIDS
ORCID ID: 0000-0002-3022-916X*

Terebaev Bilim Aldamuratovich

*Doctor of Medical Sciences, Associate Professor,
Tashkent Pediatric Medical Institute,
Faculty of Children Department of Surgery.
ORCID ID: 0000-0002-5409-4327.*

Yuldashev Botir Akhmatovich

*Candidate of Medical Sciences, Associate Professor of
Pediatrics, Neonatology and Propaedeutics of Pediatrics,
Samarkand State Medical University No. 2.
ORCID ID: 0000-0003-2442-1523*

Ibragimova Malika Xudayberganovna

*Doctor of Medical Sciences, Professor,
Tashkent State Dental Institute
ORCID ID: 0000-0002-9235-1742*

Rahimov Nodir Maxammatkulovich

*DSc, Professor of Oncology,
Samarkand State Medical University
ORCID ID: 0000-0001-5272-5503*

Daminov Feruz Asadullaevich

*Dean of the Faculty of Medicine No. 2, Samarkand State
Medical University, Doctor of Medical Sciences, Associate
Professor. Samarkand, Uzbekistan.*

Mirjuraev Elbek Mirshavkatovich

*Head of the Department of Neurorehabilitation Center
for the development of professional qualification of
medical workers, Doctor of Medical Sciences,
Professor. Tashkent, Uzbekistan
<https://orcid.org/0009-0008-2111-4388>*

Page Maker: Khurshid Mirzakhmedov

Контакт редакций журналов. www.tadqiqot.uz
ООО Tadqiqot город Ташкент,
улица Амира Темура пр.1, дом-2.
Web: <http://www.tadqiqot.uz/>; E-mail: info@tadqiqot.uz
Тел: (+998-94) 404-0000

Editorial staff of the journals of www.tadqiqot.uz
Tadqiqot LLC The city of Tashkent,
Amir Temur Street pr.1, House 2.
Web: <http://www.tadqiqot.uz/>; E-mail: info@tadqiqot.uz
Phone: (+998-94) 404-0000

MODERN APPROACHES IN PRACTICAL SURGERY

1.	Akhmedov Adkham Ibadullayeich, Fayazov Abdulaziz Djalilovich PREVENTION AND TREATMENT OF MOTOR-EVACUATION DYSFUNCTION OF THE GASTROINTESTINAL TRACT IN SEVERELY BURNED PATIENTS.....	11
2.	Arziev Ismoil Alievich TECHNIQUE AND FEATURES OF SURGICAL CORRECTION OF DAMAGE TO THE MAIN BILE DUCTS THAT OCCURRED INTRAOPERATIVELY.....	17
3.	Anarboev Sanjar Alisherovich IMPROVEMENT OF SURGICAL TREATMENT OF RECURRENT FORMS OF LIVER ECHINOCOCCOSIS.....	26
4.	Askarova Nafisa Rinatovna VULVARICOSITY: FEATURES OF DIAGNOSIS AND TREATMENT IN PATIENTS WITH VARICOSE VEINS AND PREGNANT WOMEN.....	33
5.	Akhmedov Rakhmatillo Furkatovich SURGICAL TACTICS FOR IATROGENIC INJURIES TO THE BILE DUCTS.....	38
6.	Achilov Mirzakarim Temirovich SURGICAL TREATMENT OF PANCREATIC HEAD TUMORS.....	44
7.	Allazov Iskandar Salakh ogli CYSTIC KIDNEY NEOPLASMS: RETROSPECTIVE ASPECTS AND MODERN VIEWS.....	49
8.	Allazov Salakh Allazovich LAPAROSCOPIC AND RETROPERITONEOSCOPIC OPERATIONS IN UROLOGY...	57
9.	Bobokulov Nurullo Asadovich, Ablyatifov Aziz Baxriyarovich OPTIMIZATION OF SURGICAL TREATMENT IN UROLOGY: THE ROLE OF SIMULTANEOUS LAPAROSCOPIC OPERATIONS.....	66
10.	Bakhriddinov Bekzod Rustamovich, Aliev Mansur Abduholikovich MR SPECTROSCOPY OF BRAIN TUMORS AND CORRELATION OF METABOLIC CHANGES WITH HISTOLOGICAL CHARACTERISTICS.....	72
11.	Davronov Alisher Uktamovich, Kurbaniyazov Bobojon Zafarjonovich LAPAROSCOPIC REPAIR OF PERFORATED ULCERS: ADVANTAGES AND CLINICAL OUTCOMES.....	79
12.	Daminov Feruz Asatullaevich, Bobokulov Azamat Uktamovich FACTORS IN THE DEVELOPMENT OF BLEEDING IN GASTRODUODENAL ULCERS. (LITERATURE REVIEW).....	88
13.	Davronov Oybek Otabek ugli MODERN VIEWS ON THE PATHOMORPHOLOGICAL ASPECTS OF CHANGES IN THE FORNICAL APPARATUS AND ADJACENT STRUCTURES DURING URINARY STONE DISEASE.....	95
14.	Egamberdiev Abdukakhkhor Abdukodirovich FEATURES OF SURGICAL TREATMENT OF HERNIA OF THE ESOPHAGEAL HOLE OF THE DIAPHRAGM.....	101
15.	Esirgapov Sardor Nursalimovich, Abduraxmanov Diyor Shukrullaevich RESULTS OF HERNIOPLASTY OF VENTRAL HERNIAS WITH ABDOMINOPTOSIS.....	106
16.	Gafarov Rushen Refatovich CLASSIFICATION OF POSTOPERATIVE COMPLICATIONS OF HOLMIUM LASER ENUCLEATION OF THE PROSTATE: ROLE OF A UNIFIED APPROACH.....	112
17.	Giyasova Nigora Kobilovna MODERN APPROACHES TO DETECTING ARTHROSIS AT EARLY STAGES AND POSSIBILITIES OF PATHOGENETIC TREATMENT OF THIS DISEASE.....	118

18.	Ishmuradov Bakhron Tursunovich EFFICACY OF ENDOSCOPIC BALLOON DILATION IN TREATMENT OF ACQUIRED URETERAL STRICTURES.....	127
19.	Islomov Nuriddin Komil ugli, Mustafakulov Ishnazar Boynazarovich, Julbekov Komil Islomovich MANAGEMENT FOR SIGMOID VOLVULUS.....	131
20.	Ismati Amir Olimovich, Mamarajabov Sobirjon Ergashevich, Anosov Viktor Davidovich A NOVEL PROGNOSTIC SYSTEM FOR 30-DAY MORTALITY IN PATIENTS WITH ULCER UPPER GASTROINTESTINAL BLEEDING.....	141
21.	Jalilov Khusan Mukhidinovich, Mansurov Jaloliddin Shamsiddinovich PREOPERATIVE INCIDENCE OF DEEP VEIN THROMBOSIS AFTER HIP FRACTURES IN KOREANS.....	151
22.	Kadirov Rustam Nadirovich, Khursanov Yokubjon Erkin ugli, Kamolov Sardor Jamolovich MODERN ASPECTS OF DIAGNOSING AND TREATMENT OF ACUTE PATHOLOGY OF THE ABDOMINAL CAVITY ORGANS.....	157
23.	Karabayev Djamshidkhan Shavkatovich, Shakhanov Shavkat Safarovich, Nekbayev Hasan Sayfulloyevich DETERMINATION OF THE EFFECTIVENESS AND PREVENTION OF ARTHRITIS IN PATIENTS USING LOW-VIBRATION LASER BEAMS.....	162
24.	Kurbaniyazov Zafar Babajanovich, Mukhiddinov Bobur Khuroz Ugli, Askarov Pulat Azadovich EVALUATION OF THE EFFECTIVENESS OF ARTIFICIAL INTELLIGENCE IN LAPAROSCOPIC CHOLECYSTECTOMY.....	168
25.	Khaidarov Numon Bozor ugli, Rakhmanov Kosim Erdanovich IMPROVEMENT OF SURGICAL TREATMENT OF PATIENTS WITH DESTRUCTIVE PANCREATITIS.....	175
26.	Khalimova Zamira Yusufovna, Narimova Gulchehra Jumaniyazovna, Kurbanova Sitora Shukhratovna, Ablakulova Munisa Xamrakulovna INTERACTION BETWEEN MELATONIN AND METABOLIC PARAMETERS IN OBESE WOMEN: A CLINICAL ANALYSIS.....	181
27.	Khurazov Ganisher Mususrmonovich MODERN APPROACHES TO TREATING PROSTACH ADENOMA: EFFICIENCY, SAFETY, AND IMPACT ON PATIENTS' LIFE QUALITY.....	190
28.	Khursanov Yokubjon Erkin ugli, Sattorov Abbos Xalilovich EFFICIENCY OF USING MINIMALLY INVASIVE METHODS IN THE SURGICAL TREATMENT OF COMPLICATED ACUTE CHOLECYSTITIS.....	196
29.	Khamrakulov Shokhrukh Farukhovich, Mamarajabov Sobirzhon Irgashevich, Rasulov Khamidulla Abdullaevich LAPAROSCOPIC TREATMENT OF STRICTURED HERNIAS OF THE ANTERIOR ABDOMINAL WALL.....	201
30.	Khodjimatom Gulomidin Minkhodzhievich, Yigitov Ayubkhon Azizbekovich, Yahyoev Sardorbek Mamasobir ugli IMPROVING THE OUTCOMES OF TREATMENT OF COMBINED SURGICAL DISEASES OF ABDOMINAL ORGANS USING SIMULTANEOUS LAPAROSCOPIC SURGERIES.....	207
31.	Khaidarov Numon Bozor ugli, Rakhmanov Kosim Erdanovich IMPROVEMENT OF SURGICAL TREATMENT OF PATIENTS WITH DESTRUCTIVE PANCREATITIS.....	217

32.	Khamdamov Olim Dilmurodovich, Rakhmanov Kosim Erdanovich OPTIMIZATION OF TACTICAL AND TECHNICAL ASPECTS OF SURGICAL TREATMENT OF PULMONARY ECHINOCOCCOSIS.....	223
33.	Khashimov Rustam Uktamjanovich, Rizaev Jasur Alimjanovich, Rakhmanov Kosim Erdanovich IMPROVEMENT OF SURGICAL TREATMENT OF PATIENTS WITH INGUINAL HERNIAS.....	229
34.	Mamanov Muhammad Chorievich IMPROVEMENT OF SURGICAL TACTICS IN COMPLICATED AND COMPLEX FORMS OF LIVER ECHINOCOCCOSIS.....	235
35.	Mamatov Karim Saidullaevich, Rakhmanov Kosim Erdanovich EFFECTIVENESS OF MINIMALLY INVASIVE METHODS IN SURGICAL TREATMENT OF CHOLANGITIS.....	243
36.	Mardonov Bobosher Amirovich. SURGICAL TACTICS FOR POSTCHOLECYSTECTOMY SYNDROME: FEATURES AND CHALLENGES OF IMPLEMENTATION.....	249
37.	Mukhiddinov Temur Djakhangirovich, Askarov Pulat Azadovich IMPROVEMENT OF SURGICAL TREATMENT OF VENTRAL HERNIAS WITH CONCOMITANT PATHOLOGY OF ABDOMINAL ORGANS.....	256
38.	Mansurov Jalolidin Shamsidinovich COMPARISON OF ULTRASOUND-GUIDED HYDROSTATIC REDUCTION OF INTUSSUSCEPTION RESULTS BETWEEN PEDIATRIC AND NON-PEDIATRIC RADIOLOGISTS AND RESIDENTS.....	262
39.	Musoyev Sodikjon Toirovich MODERN ALGORITHMS FOR THE TREATMENT OF ACUTE AND CHRONIC CHOLECYSTITIS: FROM CONSERVATIVE THERAPY TO SURGERY.....	273
40.	Negmatov Ismatillo Savridinovich CT DIAGNOSTICS, CLASSIFICATIONS, AND DEVELOPMENT OF A REPORTING TEMPLATE FOR ACUTE DIVERTICULITIS OF THE COLON.....	279
41.	Normamatov Bakhriddin Pirmamatovich, Rakhmanov Kosim Erdanovich OPTIMIZATION OF COMPREHENSIVE SURGICAL TREATMENT OF ACUTE PURULENT CHOLANGITIS USING HYBRID MINIMALLY INVASIVE TECHNOLOGIES.....	293
42.	Nurillayev Khasan Zhamshidovich ACUTE CHOLECYSTITIS IN THE ELDERLY: FEATURES OF THE CLINICAL COURSE, DIAGNOSIS AND TREATMENT.....	300
43.	Obidov Shokhrukh Khabibovich, Mamarajabov Sobirjon Ergashevich MODERN APPROACHES TO SURGICAL TREATMENT OF INGUINAL HERNIAS IN OBESE PATIENTS.....	306
44.	Rabbimova Maftuna Ulugbekovna. ENDOSCOPIC ULTRASOUND ELASTOGRAPHY: CURRENT STATE AND DEVELOPMENTAL DIRECTIONS.....	313
45.	Rakhmatov Istodjon Samedjonovich THE ROLE AND IMPORTANCE OF X-RAY EXAMINATIONS IN MEDICINE.....	337
46.	Ruziboyev Sanjar Abdusalomovich, Allaberdiyev Nemat Abdushukurovich, Shavazi Ramiz Nuralievich REMOTE RESULTS OF THE IMPROVED LIXTENSHTEIN MODIFICATION.....	343
47.	Ruziboev Sanjar Abdusalomovich, Mardonov Vohid Narzullayevich, Shavazi Ramiz Nuralievich EXPERIMENT OF APPLYING ANTI-ADHESIVE PREPARATIONS IN THE EXPERIMENT.....	352

48.	Rizayev Jasur Alimjanovich, Abdullayev Sayfulla Abdullayevich THE SIGNIFICANCE OF NUTRITIONAL SUPPORT IN THE SURGICAL TREATMENT OF PURULENT-NECROTIC INFLAMMATION OF SOFT TISSUES.....	360
49.	Rizayev Ezoz Alimdjanovich, Kurbaniyazov Zafarjon Babajanovich PREDICTION OF ACUTE PANCREATITIS OUTCOMES BASED ON LAPAROSCOPY DATA AND THE BALTHAZAR SCALE.....	365
50.	Ravshanov Mukhammadali Ikhtiyorovich, Askarov Pulat Azadovich MINIMALLY INVASIVE METHODS OF SURGICAL TREATMENT OF OBSTRUCTIVE JAUNDICE OF BENIGN ORIGIN.....	373
51.	Rashidova Xurshida Abduvoxiidovna POSSIBILITIES OF CLINICAL AND LABORATORY AND INSTRUMENTAL STUDIES IN NON – ALCOHOLIC FATTY LIVER DISEASE.....	379
52.	Salimov Eshdavlat Eshmakhmatovich, Rakhmanov Kosim Erdanovich IMPROVEMENT OF SURGICAL TREATMENT OF PATIENTS WITH THYROID NODULES.....	386
53.	Sayinaev Farrukh Karamatovich, Rakhmanov Kosim Erdanovich ASPECTS OF LAPAROSCOPIC HERNIOPLASTY FOR VENTRAL HERNIAS.....	392
54.	Salokhiddinov Jurabek Saidakhmatovich TOPICAL ISSUES OF SURGICAL TREATMENT OF TOXIC FORMS OF GOITER...	397
55.	Suvonov Shokhruxh Shukhrat ugli CURRENT METHODS OF TREATMENT OF LARGE AND GIANT VENTRAL HERNIAS USING TENSION-FREE HERNIOPLASTY.....	403
56.	Shirov Bobur Furkatovich, Mardieva Gulshod Mamatmuradova EVALUATION OF THE DIAGNOSTIC EFFECTIVENESS OF THE BONE COVERAGE COEFFICIENT AND SIDE RATIO COEFFICIENT COMPARED TO THE GRAF METHOD.....	409
57.	Shomurodov Khabibullo Abdumalik ugli, Daminov Feruz Asadullaevich, Rakhmanov Kosim Erdanovich APPLICATION OF LAPAROSCOPY IN SURGICAL TREATMENT OF ACUTE DESTRUCTIVE CHOLECYSTITIS.....	419
58.	Turakulov Vali Norkulovich. MEASURES TO IMPROVE THE QUALITY OF LIFE OF PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD).....	424
59.	Tagaev Abror Ilkhomovich, Rakhmanov Kosim Erdanovich OPTIMIZATION OF SURGICAL TREATMENT OF PATIENTS WITH PURULENT PLEURISIS.....	430
60.	Toirov Abdukhomit Suvonovich, Musoev Sodiqjon Toirovich THE ROLE OF ENDOVENOUS LASER COAGULATION IN THE COMPLEX TREATMENT OF VARICOSE VEINS OF THE LOWER EXTREMITIES.....	437
61.	Turdumatov Jamshed Anvarovich, Sobirova Nilufar RADIOLOGICAL SEMIOTICS OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE IN TYPE II DIABETES MELLITUS.....	442
62.	Tukhtayev Firdavs Mukhidinovich, Ergashev Arslonbek Shukhratjon ugli LAPAROSCOPIC TREATMENT OF CYSTIC KIDNEY NEOPLASMS: EFFICACY AND RESULTS.....	451
63.	Umedov Xushvaqt Alisherovich, THE ROLE AND IMPORTANCE OF VIDEOLAPAROSCOPY IN CLOSED ABDOMINAL INJURIES.....	457
64.	Umedov Xushvaqt Alisherovich IMPROVEMENTS IN DIAGNOSTIC AND THERAPEUTIC CAPABILITIES OF VIDEOLAPAROSCOPY WITH CLOSED ABDOMINAL LESIONS.....	463

65. **Usarov Sherali Nasretidinovich**
ANALYSIS OF THE RESULTS OF SURGICAL TREATMENT OF PATIENTS WITH INGUINAL HERNIAS.....474
66. **Yanova Elvira Umarjonovna, Urokov Farrukh Ibodullaevich**
TYPES OF ANGIODYSPLASIA IN KIMMERLE ANOMALY BY MAGNETIC RESONANCE ANGIOGRAPHY.....479
67. **Yuldashev Parda Arzikulovich, Rakhmanov Kosim Erdanovich, Davlatov Salim Sulaymonovich**
OPTIMIZATION OF SURGICAL APPROACHES IN THE TREATMENT OF POSTOPERATIVE VENTRAL HERNIAS.....491
68. **Alisher Zayniyev Faridunovich**
A NEW PLASMAPHERESIS METHOD FOR PREOPERATIVE PREPARATION IN PATIENTS WITH THYROTOXICOSIS.....499
69. **Ablyazov Otabek Vakhobovich, Yakubov Golib Akbarovich, Ablyazov Abduvakhob Abdumadzhidovich, Madumarova Zarnigor Shukhratovna, Turgunov Shomakhmud Shorakhimovich**
IMAGING METHODS FOR CERVICAL SPINAL CANAL STENOSIS.....508
70. **Kurbaniyazov Bakhodir Zafarzhonovich, Ashurov Akmal Khusanovich**
TACTICAL AND TECHNICAL ASPECTS OF TRANSABDOMINAL LAPAROSCOPIC HERNIALLOPLASTY FOR INGUINAL HERNIAS.....512
71. **Kilichev Rashid Nematovich, Mamarajabov Sobirjon Ergashevich, Babakalanov Shuhrat Ibragimovich, Oltiyev Elyor Doniyorovich.**
EVALUATION OF THE EFFECTIVENESS OF HAL-RAR AND LHP SURGICAL APPROACHES IN THE TREATMENT OF HEMORRHOIDS.....520
72. **Ahmedov Gayrat Keldibayevich, Gulamov Olimjon Mirzakhitovich, Azizov Temur Alisher ugli, Toshkenboyev Firdavs Ramatillo Zoda, Khudaynazarov Utkir Rabbimovich.**
ANASTOMOSIS IN ESOPHAGULAR CANCER OPERATIONS.....526
73. **Teshayev Shuxrat Jumayevich, Jarilkasinova Gauzar Januzakovna.**
SOCIAL AND CLINICAL-BIOCHEMICAL FACTORS IN THE PATHOGENESIS OF GASTRITIS AND ULCER DISEASE: STUDYING SMOKING AND PROFESSIONAL DEPENDENCE.....531
74. **Khaibullina Zarina Ruslanovna, Babajanov Azam Khasanovich, Djuraeva Nigora Mukhsumovna, Abdukhalimova Khanum Valentinovna**
VON WILLEBRAND FACTOR DYNAMICS AFTER RELATED LIVER TRANSPLANTATION.....538
75. **Khaydarova Nargiza Akhtamzhon kizi**
ANALYSIS OF MORPHOFUNCTIONAL AND MORPHOMETRIC FEATURES OF THE THYROID GLAND IN 5-MONTH-OLD MONGREL RATS IN THE OBSERVATION GROUP.....549
76. **Mardiyeva Gulshod Mamatmuradovna, Abdullaeva Mukhiba Nigmatovna, Matyakupov Azim Rustemovich, Nurmamatova Ozoda Abdurasul kizi.**
ROENTGEN-PROTEINOLOGICAL RELATIONSHIPS IN THE DYNAMICS OF PNEUMONIA IN NEWBORNS, TAKING INTO ACCOUNT THE DEGREE OF THEIR MATURITY.....556
77. **Karabyev Djamshidkhan Shavkatovich, Shakhanov Shavkat Safarovich, Shakirov Bobur**
PREVENTION AND EFFECTIVENESS OF ARTHRITIS IN PATIENTS WITH BURNS USING LOW VIBRATION LASER BEAMS.....564
78. **Исмаилов Зоҳиджан, Мирджуроев Элбек**
ЗАБОЛЕВАНИЯ ПЕРИФЕРИЧЕСКОЙ НЕРВНОЙ СИСТЕМЫ, ИХ ДИАГНОСТИКА, ВЫБОР ПРАВИЛЬНОЙ ТАКТИКИ ЛЕЧЕНИЯ И ШИРОКОЕ ВНЕДРЕНИЕ РЕАБИЛИТАЦИОННОЙ РАБОТЫ ПОСЛЕ ПЕРЕНЕСЕННЫХ ЗАБОЛЕВАНИЙ...570
79. **Ismailov Zakhidjon, Mirdjuraev Elbek**
EXAMINATION OF CHILDREN WITH NEUROPATHY, TIMELY DIAGNOSIS, TREATMENT AND REHABILITATION MEASURES AFTER ILLNESSES.....578



UDK: 616.33-089

AHMEDOV Gayrat Keldibaevich

PhD, dotsent

Samarkand State Medical University

GULAMOV Olimjon Mirzakhitovich

DSc

AZIZOV Temur Alisher o'g'li**TOSHKENBOYEV Firdavs Ramatillo Zoda**


SI "RSSPMCS named after acad. V. Vakhidov"

KHUDAYNAZAROV Utkir Rabbimovich

Samarkand State Medical University

ANASTOMOSIS IN ESOPHAGULAR CANCER OPERATIONS

For citation: Ahmedov Gayrat Keldibayevich, Gulamov Olimjon Mirzakhitovich, Azizov Temur Alisher ugli, Toshkenboyev Firdavs Ramatillo Zoda, Khudaynazarov Utkir Rabbimovich. Anastomosis in esophagular cancer operations. // Journal of Biomedicine and Practice. 2025, vol. 10, issue 2.

 <http://dx.doi.org/10.5281/zenodo.15199826>

ANNOTATION

The article presents the history of the development of esophageal surgery, the features of thoracoscopy as one of the minimally invasive types of surgery, as well as various information obtained from modern literature on the types of formation of esophageal anastomoses by thoracoscopic methods.

Key words: Thoracic surgery, thoracoscopy, esophageal cancer, anastomoses.

AXMEDOV Gayrat Keldibayevich

PhD, dotsent

Samarqand Davlat tibbiyot universiteti

GULAMOV Olimjon Mirzakhitovich

DSc

AZIZOV Temur Alisher ugli**TOSHKENBOYEV Firdavs Ramatillo Zoda**

"Akademik V. Vohidov nomidagi RIXIATM" DM

XUDAYNAZAROV Utkir Rabbimovich

Samarqand Davlat tibbiyot universiteti

QIZILO'NGACH RAKI OPERATSIYALARIDA ANASTOMOZLAR

ANNOTATSIYA

Maqolada qizilo'ngach xirurgiyasining rivojlanish tarixi, kaminvaziv operatsiya turlaridan bo'lgan torakoskopiyaning o'ziga xos xususiyatlari, torakoskopik usullarda qizilo'ngach anastomozlarini shakllantirish turlariga oid zamonaviy adabiyotlardan olingan turli ma'lumotlar berilgan.

Kalit so'zlar: Torakal xirurgiya, torakoskopiya, qizilo'ngach raki, anastomozlar.

АХМЕДОВ Гайрат Келдибаевич

PhD, доцент

Самаркандский государственный медицинский университет

ГУЛАМОВ Олимжон Мирзахитович

DSc

АЗИЗОВ Темур Алишер угли

ТОШКЕНБОВ Фирдавс Раматилло Зода

ГУ «РСПМЦХ имени академика В. Вахидова»

ХУДАЙНАЗАРОВ Уткир Раббимович

Самаркандский государственный медицинский университет

АНАСТОМОЗЫ ПРИ ОПЕРАЦИЯХ РАКА ПИЩЕВОДА

АННОТАЦИЯ

В статье представлены история развития хирургии пищевода, особенности торакоскопии, как одного из малоинвазивных видов хирургии, а также различные сведения, полученные из современной литературы о типах формирования пищеводных анастомозов торакоскопическими методами.

Ключевые слова: Торакальная хирургия, торакоскопия, рак пищевода, анастомозы.

Qizilo'ngachdagi ilk operatsiyalar XIX asrning oxirlariga to'g'ri kelib, Avstriyalik jarroh-olim T. Bilrot ilk bor 1969 yili tajribada itlarda qizilo'ngach rezeksiyasini bajarib, muvaffaqiyatli reanastomoz shakllantirilgan. Insonlarda bundan ikki yil o'tgach, ilk bor qizilo'ngach sirkulyar rezeksiyasi bajarilgan [1, 8, 20].

Ilk bor torakotomik aralashuvlar V.D. Dobromislov (1900) va F.Torek (1913) ishlarida qayd etilgan. Ular bir-biridan mutlaqo istisno xolda, qizilo'ngach o'rta qismi o'smasini o'ng tomonlama torakotomik kesma orqali olishga muvaffaq bo'lishgan. Qizilo'ngach pastki qismlari rezeksiyasi va turli a'zolar yordamida plastikasi murakkab operatsiyalardan xisoblangan. Bunga ko'ks oralig'i soxasidagi qizilo'ngach tashqi adventitsial qavati va qorin bo'shlig'i a'zolarini tashqaridan o'rab turuvchi seroz qavatlarining gistologik xususiyatlari sabab bo'ladi [7]. Qizilo'ngachni plastika qilishda turli davrlarda turli a'zoldan foydalanilgan. Masalan: Roks (1906) va S.S. Yudinlar ingichka ichakni, Royt, Kabane va Oreonn yo'g'on ichakni, Lyuis bo'lsa, me'da yordamida plastika qilishni tavsiya qilishgan va foydalanishgan [2, 13, 21].

XX asr oxirlariga kelib, kaminvaziv xirurgiyaning rivojlanishi natijasida torakoskopik yondashuvlar diagnostika va kaminvaziv aralashuvlar maqsadida qo'llanila boshladi. Jarrohlik texnologiyalarining jadal rivojlanishi va yuqori aniqlikdagi tasvirlarni olish funksiyasiga ega videotizimlarning paydo bo'lishi tufayli torakoskopik jarrohlik imkoniyatlari sezilarli darajada oshdi. Ochiq operatsiyalarga nisbatan bir qator afzalliklari tufayli torakoskopik jarrohlik turlari so'nggi 20 yil ichida anchagina kengaydi va kundalik amaliyotga keng joriy etildi [4, 9].

Uzoq vaqt davomida qizilo'ngachda bajariladigan operatsiyalar yuqori travmatikligi va juda yuqori darajadagi asoratlarga olib kelishi sababli kam o'tkazilar edi. Qizilo'ngach saraton kasalligi uchun jarrohlik amaliyoti nafaqat o'simta bilan qizilo'ngachni, balki atrofdagi limfa tugunlari va nerv chigallari bo'lgan katta miqdordagi mediastinal to'qimalarni ham olib tashlashni o'z ichiga olib, bu bemor hayoti uchun muqarrar ravishda sezilarli darajada katta xafv bo'ladi [3, 15, 23].

Afsuski, qizilo'ngach saratonini aniqlash kechikishi sababli, umumiy bemorlar sonining faqat uchdan bir qismiga radikal jarrohlik amaliyotini bajarish mumkin. Chunki kasallikning I-III

bosqichlaridagi bemorlarni davolash ko'proq samarali bo'lib, bu ko'pincha kimyoterapiya yoki nur terapiyasi bilan birgalikda kompleks davolash natijasi hisobiga to'g'ri keladi [19].

Ko'pgina tadqiqotlarga ko'ra [5, 16], o'tgan asrning 40-yillarida qizilo'ngach rezeksiyasidan keyin o'lim darajasi taxminan 70-72% ni tashkil etgan bo'lsa, 1980-yillarda torakotomik va kaminvaziv jarrohlikning rivojlanishi natijasida bu ko'rsatkich 13% ga kamaydi, 1990-yillar oxiriga kelib, 8%ga yaqinlashdi [3]. Shuni aytish kerakki, hozirgi vaqtda qizilo'ngach jarrohligi bo'yicha katta tajribaga ega markazlarda bu ko'rsatkich 6% dan oshmaydi [12].

Qizilo'ngach ko'krak qismida bajariladigan operatsiyalar 3 ta asosiy turga bo'linadi:

- intraplevral anastomoz bilan qizilo'ngachning transtorakal subtotal rezeksiyasi (Ivor Lyuis tipidagi operatsiya),
- qizilo'ngach transtorakal rezeksiyasi va bo'yin qismida anastomoz shakllantirish (MsKeown tipidagi operatsiya)
- qizilo'ngachning transxiatal rezeksiyasi yoki ekstirpatsiyasi [6, 14, 22].

Ba'zi manbalarga ko'ra [5, 16], o'tgan asrning 40-yillarida qizilo'ngach rezeksiyasidan keyin o'lim darajasi taxminan 70-72% ni tashkil etgan bo'lsa, 1980-yillarda torakotomik va kaminvaziv jarrohlikning rivojlanishi natijasida bu ko'rsatkich 13% ga kamaydi, 1990-yillar oxiriga kelib, 8%ga yaqinlashdi [3]. Shuni aytish kerakki, hozirgi vaqtda qizilo'ngach jarrohligi bo'yicha katta tajribaga ega markazlarda bu ko'rsatkich 6% dan oshmaydi [12].

Luketich J.D. va uning xamkasblarining bergan ma'lumotlariga ko'ra, 2003 yilda ular 222 ta muvaffaqiyatli torakolaparoskopik operatsiyalarni bajarilgan. Qizilo'ngachni kaminvaziv rezeksiya qilish texnologiyasini ishlab chiqish va kengaytirish natijasida 2012 yilga kelib, uning Pitsburg universitetidagi klinikasida 1000 dan ortiq muvaffaqiyatli operatsiyalar o'tkazilgan [9, 17].

R.J. Verhage va hammualliflarining [23] olib borgan metaanaliz tahlillariga ko'ra, ochiq usuldagi standart ezofagoektomiya va kaminvaziv operatsiyalarning qiyosiy tahlili natijasida kaminvaziv jarrohlik usullarini qo'llash natijasida intraoperatsion qon ketishlar va bemorlarning operatsiyadan keyingi davrda statsionardagi yotish muddati ikki barobarga kamaygan. Shuningdek, bunday bemorlarda o'pka asoratlari 22,9% dan 15,1%ga tushganligi aniqlangan.

P.S. Rajan va hammualliflarining bergan ma'lumotlariga ko'ra [18], ular 463 nafar bemorda kaminvaziv qizilo'ngach rezeksiyasini amalga oshirishgan bo'lib, ularda operatsiyadan keyingi asoratlar 16% holatlarda kuzatilgan bo'lsa, operatsiyadan keyingi o'lim ko'rsatkichi 0,9%ni tashkil qilgan.

Onkologik kasalliklardan tashqari qizilo'ngach anastomozlari a'zoning tug'ma atreziyalarida ham asosiy davo usullaridan xisoblanadi. Dastlabki, torakoskopik usulda qizilo'ngach atreziyasida anastomozni shakllantirish 1999 yili T. Lobe va S. Rothenberg tomonidan amalga oshirilgan. Bunda qizilo'ngach atreziyasi "toza" (oqmasiz) holatda bo'lgan. Bunday operatsiyalar asosan tug'ma patologiyalar bo'lganligi sababli, yosh bolalarda o'tkazilgan. Keyinchalik, bunday operatsiyalarning samarasi yuqoriligi sababli, juda keng tarqalishga erishildi [20].

A.S.Berger va boshqalar [11] tomonidan o'tkazilgan tadqiqotlarda qizilo'ngachning kaminvaziv rezeksiyasining onkologik natijalari ochiq usulda bajarilgan operatsiyalarga nisbatan ustunligi isbotlangan. Kaminvaziv guruhda limfadiisseksiya qilingan tugunlarining o'rtacha soni boshqalarga qaraganda ko'proq bo'lib, bunday natijalar T. Fabian [16] tadqiqotlarida ham aks etgan.

Bugungi kunda kaminvaziv jarrohlik haqida fikr yuritilganda, robot-xirurgik operatsiyalariga to'xtalib o'tmaslik mumkin emas. Dastlab, 2004 yilda Kemp Kernstine va uning hamkasblari DaVinci robot tizimidan foydalangan holda birinchi torakoskopik qizilo'ngach rezeksiyasini amalga oshirishgan [17, 19].

Bunday kompleks uskunalarning ijobiy tomonlari ko'p bo'lib, ularning asosiy kamchiliklariga - operatsiyaga sarflanadigan materiallarning yuqori narxi, operatsiyaning uzoq davom etishi va operatsiya qiluvchi jarroh hamda bemor o'rtasidagi teskari aloqa yo'qligini keltirish mumkin. Ko'pgina olimlarning fikrlariga ko'ra, agarda torakoskopik vizualizatsiyaning imkoniyatlari 3D va 4K-vizualizatsiyaga ega bo'lsa, robot-xirurgiyaning imkoniyatlarini torkoskopik amaliyotlarda ham amalga oshirsa bo'ladi [10, 17].

Xulosa oʻrnida shuni taʼkidlash lozimki, zamonaviy tibbiyotda laparoskopik va torakoskopik texnologiyalarning, usullarning koʻplab ishlab chiqilganligiga qaramasdan, qiziloʻngach oʻrta va pastki qismlari saratonida bajariladigan operatsiyalarning bosqichlari ochiq usulda bajariladigan operatsiyalardan farq qilmaydi.

REFERENCES | СООККИ | ИҚТИБОСЛАР:

- Achilov M. T., Axmedov G.K., Alimov J.I. Gastrektomiya pri jeludochnix krvotekheniyax. // «Nauka i mir». № 7 (83), 2020, Str 62-65.
- Allaxverdyan A. S. Rezeksiya proksimalnogo otdela jeludka i grudnogo otdela piщevoda pri kardioezofagealnom rake kombinirovannim laparotorakoskopicheskim dostupom. Nekotorie osobennosti i blijayshie rezultati : nauchnoe izdanie / A. S. Allaxverdyan // Endoskopicheskaya xirurgiya. - 2016. - Tom 22, N3. - S. 3-5.
- Berger A.C., Bloomenthal A., Wekler B., et al. Oncologic efficacy is not compromised and may be improved with minimally invasive esophagectomy. J Am Coll Surg. 2011; Vol. 212 (4): 560–8.
- Butti F, Vanoni-Colombo A, Djafarriani R, Allemann P, Calmes JM, Fournier P. Roux-en-Y Gastric Bypass with Manual Intracorporeal Anastomoses in 3D Laparoscopy: Operative Technique. J Laparoendosc Adv Surg Tech A. 2020 Aug;30(8):879-882. doi: 10.1089/lap.2020.0098. Epub 2020 May 14. PMID: 32407156.
- Fishman M. B. Prodolnaya rezeksiya jeludka. Rol i mesto v bariatricheskoy xirurgii : nauchnoe izdanie / M. B. Fishman, V. M. Sedov, Yan Van // Vestnik xirurgii im. I.I.Grekova. - 2016. - Tom 175, N4. - S. 19-23.
- Fujimoto D, Taniguchi K, Kobayashi H. Double-Tract Reconstruction Designed to Allow More Food Flow to the Remnant Stomach After Laparoscopic Proximal Gastrectomy. World J Surg. 2020 Aug;44(8):2728-2735. doi: 10.1007/s00268-020-05496-0. PMID: 32236727.
- Gulamov O.M., Ahmedov G.K., Khudaynazarov U.R., Saydullayev Z.Ya. Diagnostic and treatment tactics in gastroesophageal reflux disease. // Texas Journal of Medical Science Date of Publication:18-03-2022. A Bi-Monthly, Peer Reviewed International Journal. Volume 6. P. 47-50.
- Ivanov Yu. V., Stankevich V. R., Yepifansev Ye. A. [i dr.]. Jeludochno-plevralnoy sviщ, oslojneniy levostoronney empiemoy plevri posle laparoskopicheskoy operatsii gastroshuntirovaniya // Endoskopicheskaya xirurgiya : nauchno-prakticheskiy jurnal. - 2023. - Tom 29, N 6. - S. 98-102.
- Konones P.V., Kanner D.Yu., Shveykin A.O. Torakoskopicheskaya rezeksiya piщevodaa pri rake. // Klinicheskaya i eksperimentalnaya xirurgiya. Journ. im. akad. B.V. Petrovskogo. 2015. № 4. S. 28–34.
- Luketich J.D., Pennathur A., Awais O., et al. Outcomes after minimally invasive esophagectomy: review of over 1000 patients. Ann Surg, 2012; Vol. 256 (1): 95–103.
- Martinez-Ferro M. International innovations in pediatric minimally invasive surgery: the Argentine experience. J Pediatr Surg. 2012;47(5):825-835.
- Nazirov F. G. Prognoz oslojneniy/polzi laparoskopicheskoy rukavnoy rezeksii jeludka u patsientov s morbidnim ojireniem po universalnomu bariatricheskomu kalkulyatoru BSRBC : Materiali XXV Respublikanskoj nauchno-prakticheskoy konferensii "Vaxidovskie chteniya - 2021" "Novie tendensii v miniinvazivnoy torakoabdominalnoy i serdechno-sosudistoy xirurgii" (Tashkent, 23 aprelya 2021) / F. G. Nazirov, Sh. X. Xashimov, U. M. Maxmudov // Xirurgiya Uzbekistana : nauchno-prakticheskiy jurnal. - 2021. - N 1. - S. 60.
- Ping Y., He M., Meng X., et al. Prevention and treatment of complications after surgical resection for esophageal and gastric cardiac cancers. Zhonghua Yi Xue Za Zhi, 2009; 89: 296–300.
- Postolov M. P. i dr. Opit vipolneniya laparoskopicheskoy subtotalnoy distalnoy rezeksii v lechenii bolnix rakom antralnogo otdela jeludka. // Xirurgiya. Jurnal imeni N. I. Pirogova : nauchno-prakticheskiy retsenziruemyy jurnal. - 2021. - N 6. - S. 19-23.

16. Rajan P.S., Vaithiswaran V., Rajapandian S., et al. Minimally invasive oesophagectomy for carcinoma oesophagus – approaches and options in high volume tertiary center. *J Ind Med Assoc.* 2010; Vol. 188 (10): 642–4.
17. Rothenberg S., Kozlov Yu.A. and others. Technique of thoracoscopic anastomosis for esophageal atresia. // doi: 10.17116/endoskop201622537-39
18. Sadiki M.N. Sravnitel'naya otsenka effektivnosti laparoskopicheskix bariatricheskix operatsiy: gastroplikatsii i prodolnoy rezeksii jeludka : nauchnoe izdanie / M. N. Sadiki, G. R. Askerxanov, R. G. Askerxanov // *Xirurgiya. Jurnal imeni N. I. Pirogova : nauchno-prakticheskiy retsenziruemiy jurnal.* - 2020. - N 12. - S. 32-37
19. Saitua F, Weibel A, Herrera P. Gastrostomy: A percutaneous laparoscopic technique. *J Pediatr Surg.* 2019 Oct;54(10):2182-2186. doi:10.1016/j.jpedsurg.2019.06.002. Epub 2019 Jun 16. PMID: 31280878.
20. Sulaymonov A.L., Axmedov G.K., Xudaynazarov U.R., Obidov Sh.X. Xirurgicheskaya taktika pri gastroduodenal'nix krovotечeniyax u pojilix bolnix. // “XIST” Vseukrainskiy jurnal studentov i molodix uchyonix. 2016. Str. 626.
21. Temirovich, A. M., Keldibaevich, A. G., Inoyatovich, N. S., Shonazarovich, S. I., & Ochilovich, M. F. (2022). Features of diagnostics and surgical tactics for Hiatal hernias. *International Journal of Health Sciences*, 6(S2), 6029–6034.
22. Toshkenboev F.R., Gulamov O.M., Axmedov G.K., Sherkulov K.U. Primenenie maloinvazivnix operatsiy pri malignizirovannix yazvax jeludka. // *Jurnal gepato-gastroenterologicheskix issledovaniy.* №1. 2024. S. 44-47.
23. Toshkenboyev F.R., Gulamov O.M., Ahmedov G.K. Types and Complications of Gastric Resection Operas // *International Journal of Alternative and Contemporary Therapy. IJACT*, Volume 2, Issue 6, 2024, 149-153.
24. Verhage R.J., Hazebroek E.J., Boone J., et al. Minimally invasive surgery compared to open procedures in esophagectomy for cancer: a systematic review of the literature. *Minerva Chir.* 2009; Vol. 64 (2): 135–46.

БИОМЕДИЦИНА ВА АМАЛИЁТ ЖУРНАЛИ

10 ЖИЛД, 2 СОН

ЖУРНАЛ БИОМЕДИЦИНЫ И ПРАКТИКИ

ТОМ 10, НОМЕР 2

JOURNAL OF BIOMEDICINE AND PRACTICE

VOLUME 10, ISSUE 2

Контакт редакций журналов. www.tadqiqot.uz
ООО Tadqiqot город Ташкент,
улица Амира Темура пр.1, дом-2.
Web: <http://www.tadqiqot.uz/>; E-mail: info@tadqiqot.uz
Тел: (+998-94) 404-0000

Editorial staff of the journals of www.tadqiqot.uz
Tadqiqot LLC The city of Tashkent,
Amir Temur Street pr.1, House 2.
Web: <http://www.tadqiqot.uz/>; E-mail: info@tadqiqot.uz
Phone: (+998-94) 404-0000