

are dominant in intact animals, and *Staphylococcus*, *Prevotella*, *Peptococcus* and *Clostridium*. At this stage of the study, pathogenic and conditionally pathogenic enterobacteria play a role of associated microflora, which growth and reproduction suppress growth of dominant and leading bacteria of the microbiota of the colon at this stage.

In the next study period (48 h) there is a further reduction of PL of Bifidobacteria, Lactobacilli, the elimination of *Enterococcus*, *Eubacterium*, and aerobic gram-positive *Fuzobacterium*, *Streptobacillus*, significantly increased PL of pathogenic (enteropathogenic *E. coli*) and opportunistic (*Edwardsiella*, *Escherichia coli*, *Klebsiella* and *Proteus*) *Enterobacteria*, *Clostridium* in all experimental animals. PL of *Bacteroides*, *Prevotella*, *Peptococcus*, which was lower than rates in intact animals, it was stabilized and corresponds to the data that formed after 24 hours from the time of modeling ADP.

After 72 hours of researching of colon microbiota, a pronounced deficit of autochthonous obligate *Bifidobacterium*, *Lactobacillus*, *Bacteroides*, *Prevotella*, *Peptococcus*, and elimination of colon *Eubacterium*, *Fuzobacterium*, *Enterococcus* and aerobic *Streptobacillus* were present. However, PL of opportunistic pathogenic enterobacteria, peptostreptococci, clostridia and staphylococci increased.

In the next study period (after 96 and 120 h) PL of autochthonous obligate bacteria was decreased to minimum level in 42.9% of the animals, at the rest they were eliminated. In general, autochthonous obligate bacteria were eliminated from cavity of colon or they persisted in a minor (minimum level that defines from the method) PL. These changes increased the PR of opportunistic bacteria of the genus *Clostridium*, *Escherichia coli*, *Staphylococcus* and *Proteus*. Lowering of PL normal flora promotes colon contamination by pathogenic and opportunistic pathogenic *Enterobacterium*, *Peptococcus*, *Peptostreptococcus* and other microorganisms.

All this leads that the domination of *Bacteroides*, *Peptococcus* in the colon experimental ADP, *E. coli*; leading role in cavity microbiota is occupied by colon bacteria genus *Clostridium*, pathogens (enterotoxic *Escherichia*) and opportunistic pathogens (*Klebsiella*, *Edwardsiella*, *Proteus*) *Enterobacteria* and *Staphylococcus*. Physiologically helpful obligate indigenous *Bifidobacterium*, *Lactobacillus* are minor and *Fuzobacterium*, *Enterococcus*, aerobic grampositive *Eubacteria* and *Streptobacillus* were not detected in any animal.

Thus, the development and progress experimental ADP in rats is accompanied to the profound changes in composition of species, and especially the PL of each taxon, forming cavity colon microbiota. These changes depend on the duration (period) of ADP progress – increasing the progress of ADP causes deepening the relationship between changes associated microflora that form microbiocenosis of cavity colon.

Microorganisms belonging in intact animals autochthonous to obligate and usually take place in the dominant microbiota cavity colon at ADP has 24 hours of constancy index and, especially, PL decreases. These microorganisms include *Bifidobacterium*, *Lactobacillus*, *Eubacterium*, *Fuzobacterium*, *Enterococcus* and aerobic gram-positive *Streptobacillus*. On the other hand, increased PL opportunistic *E. coli* and

SPIS

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CHIRURGIA

Patraboy V., Herasymuk I., Abduraheem I., Gumenna M., Rotar D.
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EOHKO B.B., TKaneHKO A.C., MoiceeHKO A.C., TonKanoB B.T., MoiceeHKO K).A., IHexoBijoBa E.B., TKaneHKO M.O. CTaH cnojryHHOI TKaHHHH 1 OKCWTBHHX HpOHeCIB y XBOPHX Ha KOJIOpeKTajIBHHH paK 3 o6,ypamHHOio TOBCTOKHHIKOBOIO HenpoxwmcTio.....5

3aMeHHik T.B., Jlapira C.H. BjiMHie npHMeHeHHa (JraaBOHOH/iOB Ha KanecTBO MOHH nanHeHTOB y nanHeHTOB c BapHK03HOH 6one3HBio BeH HHXCHX KOHeHHOCTeii B paHHeM nocneonepaiiHOHHOM nepno/ie.....11

EKSPERYMENTALNA I KLINICZNA FARMAKOLOGIA

MajitueBa fl.A., XoxjioBa O.B., Oypca H.C., KopmieBCKiiii K).H., Mo3yjii, B.H., TopoxoBa T.A. Hccjie/iOBaHHe KOMHOHeHTHoro cocTaBa 3<J)HpHoro Macna o<))HHHHajiBHoro cTipta BajiepnaHti, BtupaineHHOH npn BHeceHHH canponejia H ero CMecn c HaB030M.....13

KLINICZNA MEDYCYN

AH/IPOCOB C.fl., Pe3yHeHKO K).K., 3KepHOBaH M.C., EaHiracBKiiii P.O., TKaneHKO A.C. CTaH no-OKHCJIOBajiBHHX nponeciB y mypiB nifl BHJIBOM Cy6TOKCHHHX /103 HOJIOKCHnpOHJieHrjHKOJIO MOJieKyjiapHOI MaCH 500.....16

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MIKROBIOLOGIA

Mi,ip3axaHOBa H.A., BeKTeMHpoBa T.H. Pa3pa6oTKa rHmeHHHeCHKHX peKOMeH/ianHH no o6e33apa5KHBaHHio TpaHcnopapyeMofi BO/IBI.....

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IpiicHamioK P.A. Po3Mip,a CTpyKTypa noceneHB dreissena polymorpha B TeTepiBCBKOMy BO/IOXOBHm.....28

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г) (J)eppoMarHHTHafi JKH/KOCTb

0>eppOMarHHTHafi JKH^KOCTb (01VVK) - HCKycCTBCH-Haa >KHA KOCTb C MarHHTHMMH CBOHCTBaMH. ITpH B03AeM-CTBH H Ha Hee MarHHTHbIM noneM, Hacraiibi (eppo)KHziKOCTH BbiCTpaHBaiOTCa B COOTBeCTBHHCCBBOBbIMH JIHHTHJMH nOJia, co3p,aBa% KaX 6M ee BH3yajibHyio npoekHHio.

KOCTb TaiOKe HOCTH Ha3BaHHJI «(j)eppO(j)JKH.H.II,» HJIH IipOCTO «MarHHTHaa jKH^KOCTb». B cocTaB (^eppo^cH^KOCTH BXOANT ocHOBa — opraHHecKaа >JHA KOCTb (3TO MOKQT 6biTb Bo^a, Macjio, Boo6m;e JK)6OH opraHHecKHii pacTBop), noBepxHOCTHO - aKTHBHoe BemecTBO (HTO6H HacraHbi He cjinnajiHCb), H caMH HaHO-nacTHHbi (JjeppoMaraETHKa - MejbHanniHe (nopwa 10 HM) Mannrrrabie HaCTHHbi

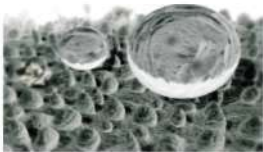
A) a3porejib

AaporejiH (OT jiaT. aer-B03Ayx H gelatus- saMopoaceHHwii) - Kjiacc MaTepnajiOB npencTaBjraoniHx CO6OH rejib B KOTOPOM ^KHMKaB 4.033 nOJIHOCTb.0 ЗаMem,eHa ra3o6pa3HOH. Taxne MaTepnajiibi objianaiOT peKopzmo HH3KOH njiOTHOCTbio H neMOH-CTpH,yK)T пw yHHKajibHbix CBOHCTB: TBepAOCTb, npo3paH-HOCTb, ^CapOnpOHHOCTb, Hpe3BbIHaHHO HH3KyK)HOCTb H T. P.



e) 3(j)(j)eKT JIoToca

3(j)(j)eKT KpaMHe HH3KOH CManHBaeMocpa noBepxHOCTH, KOTOpbIH MOKHO HaGjIIOAaTb Ha JIHCTbHX H neneCTKaXpacxe-HHH nona JIOTOC (Nelumbo) H apyax pacTeHHH KaX Haпpн-Mep HacypHH*, T,OCTHHK o k i — H b i M H BOAOC6O,.



reaches high numbers (3-4 orders of magnitude), *Peptococcus*, bacteria of the genus *Clostridium* and *Staphylococcus*.

Microorganisms that in intact animals are autochthonous and occupy the dominant position in cavity microbiota of the colon, in 24 hours of ADP their constancy index and, especially, PL were decreased. These microorganisms include *Bifidobacterium*, *Lactobacillus*, *Eubacterium*, *Fuzobacterium*, *Enterococcus* and aerobic grampositive *Streptobacillus*. On the other hand, was increased PL of opportunistic *E. coli* (3-4 orders of magnitude), *Peptococcus*, bacteria of the genus *Clostridium* and *Staphylococcus*.

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BOHKO B.B., TKaneHKO A.C., MoiceHKO A.C., TonKajiOB BJ., MoiceHKO K).A., UlexoBjOBa E.B., TKaneeKO M.O. ДУ «Институт загальної та невідкладної хірургії ім. В.Т. Зайцева НАМН України», Хармеч KUU HauiouajibHUU MeduHnuu yuieepcumem

CTAH CnOJiyHHOITKANMNM I OKCMFIATMBHMX nPOUECIB Y XBOPMX HA KOJIOPEKTAJbHMM PAK 3 OBTYPAUMHOK) TOBCTOKM11JKOBOK) HEHPOXIFIHICTK)

Ускладнення товстокишкової Неплохів сНОсі пїхїїНННого геНезро залишаються однією із найактуальніших пробм vHacm xipvrrii i oHKonKToногїї оскільки вони характеризуються висоКОК) HасхохоК) n_epa i H H H x o cтw-нень (38 6-80%) і летальністю (25 1-46 4%) ОсновНОК) НлюНННОК) с I — cт i пa-me_нт m HкH вiатий патологїї є пнеHCHВННН ок озвиток noLra HHOї гораостатності Lc mAO uiHнеКого прогрестьК)Ного eHor oTKCHK03y i бактерїальної хаHслокації m i m™_т b cпpоможніс KHUIKOBFO бар'є сис i cпоHухLxb пок оникнення ендогенних бактерїї і токсинів в НОРхajibННН Та Темний кровoT, вHCTomaK)HН провокуючим фактором системної запальної реакції [1-3] Високий вїпсхок летальності пацієнтів з обтураційною товстокишковою непер охідністю пухлинного