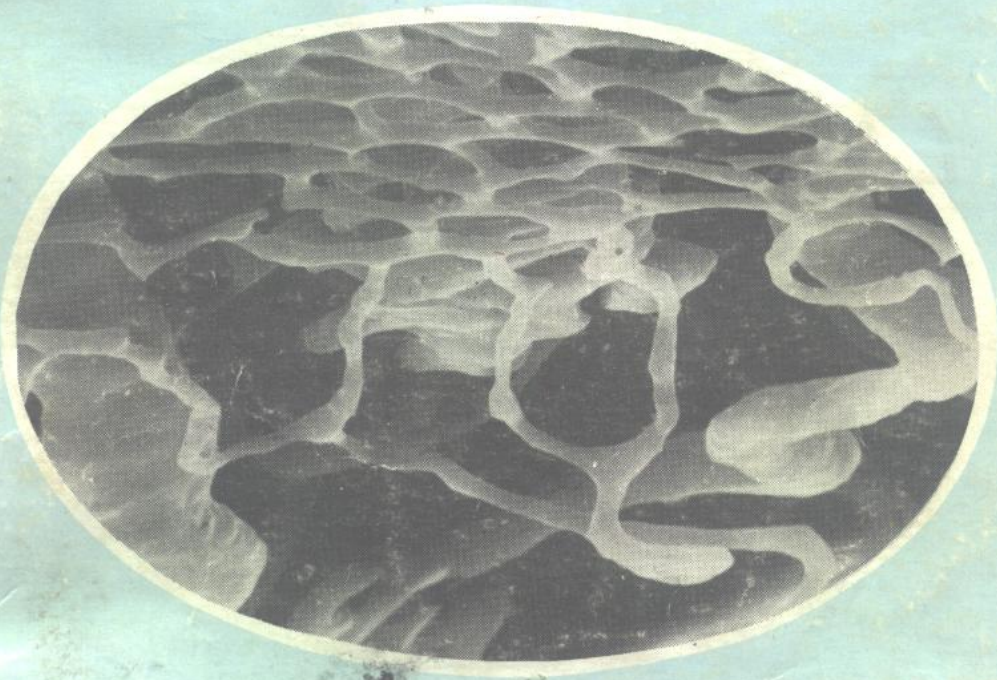


微循环基础与临床

田 牛 主 编



人 民 军 医 出 版 社



微循环基础与临床

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人民军医出版社

C0147169



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人民军医出版社出版
(北京市复兴路22号甲3号)

空军学院印刷厂印刷
新华书店北京发行所发行

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开本：787×1092毫米1/16·印张：27·字数：615千字

1986年1月第1版 1986年1月（北京）第1次印刷

印数：1~9,500

统一书号：14281·026 定价：5.30元

内容提要

本书是一本微循环研究论文集, 编选127篇著作, 从六个方面介绍微循环在医学基础理论和临床各科应用研究的情况。内容包括: 国内外微循环研究的进展动态; 创伤、烧伤、休克和辐射损伤, 老年病、传染病等内科疾病以及中医活血化淤等方面有关微循环的研究成果; 电子显微镜、激光多普勒显微镜、脏器活体观察、血液流变学等技术在微循环研究上的应用; 微循环方法学和质量控制。本书在内容上力求将微循环的理论、方法同医学基础、临床各科的实际紧密结合, 在形式上有研究动态、文献综述、专题论文和工作简报等。书中附有照片、插图。

本书适于医学、生物学方面的研究技术人员、医学院校的教师、临床医师以及高年级的医学生阅读参考。

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前 言

微循环学是在生物学、医学、流体力学、生物工程学基础上发展起来的新兴边缘学科。它是研究直接参予组织、细胞物质交换的血液、淋巴液、组织液流动的一门科学。微循环的研究必然涉及四个问题：（1）流动物质（血液、淋巴液、组织液）的理化性质及其生物学、流变学特性；（2）流动管道（微血管壁、毛细淋巴管壁及组织间隙）的结构、功能、代谢特点；（3）流动物质和流动管道的相互作用，管道和其周围组织的相互关系；（4）微循环和细动脉前的动脉、左心及细静脉后的静脉、右心在功能、结构、代谢方面的相互关系。上述四方面不是单一学科所能解决的问题，而这些问题的解决，可以加深人们对机体功能、结构、发病机理等的认识，从而促进基础医学及生物学的发展。根据微循环的理论，利用微循环的观察研究方法，观察病人可见部位的微循环改变，检测有关指标对于分析病情、辅助诊断、配合治疗方面具有重要参考意义，从而有利于临床医学的发展。

我国、我军在微循环研究方面和一些先进国家比较起步较晚，仪器、技术比较落后，没有专门学术组织和刊物，总的进展还有很大差距。但在结合临床配合治疗、用于祖国医药的研究、某些基础问题的研究等方面有一些特点。为了交流经验、提高认识、促进工作，在总后卫生部、兰州空军的领导和支持下，于1984年8月在兰州召开了全军第一届微循环经验交流会，内容包括外科、放射医学、内科、老年病、传染病、祖国医药、基础医学、方法学等方面的微循环研究成果。既有工作论文，又有专题报告，既有技术方法的介绍又有国内外进展概况。与会者一致要求严格审阅，认真修改，出一本专集供全军、全国有关同志参考。在筹备会议上部分专家对提交的论文进行了认真的审阅，作者进行了修改。会议进行过程中又组织几方面的专家认真审阅，并和作者直接交换意见进行修改，人民军医出版社朱德炘主编，军事医学科学院情报研究所汤家骥主任对论文撰写，书籍编辑等问题提出了宝贵的意见。会后部分同志先后在兰州、北京两次审阅修改，又由责任编辑编审。这本收集127篇文章的“微循环基础与临床”是集体劳动的结果。柳大昌主任除审稿之外承担了联系编辑、出版的重任；赵振虎同志完成了许多具体工作；程违主任将文题译成英文。这些工作都是十分可贵的劳动。

由于工作条件不同，个人专业、水平不同，时间比较仓促，文章在内容、逻辑、词章上都可能存在缺欠和错误，希望批评指正，以便改正。

田 斗

1984年11月于北京

目 录

近年来微循环研究概况·····	田 牛	(1)
-----------------	-----	-----

创伤外科

创伤、烧伤、休克与微循环·····	赵克森	(12)
微循环与战伤·····	王民怀	(19)
纳洛酮对重症失血性休克微循环的影响·····	赵克森等	(22)
家兔失血性休克及应用平衡液扩容治疗中肠系膜微循环的变化·····	柳大昌等	(27)
实验性失血性休克不同时相的微循环变化及电镜观察·····	曾祥元等	(32)
失血性休克血小板伸展功能的实验研究·····	曾祥元等	(36)
急性失血对小鼠骨髓微循环的影响·····	刘育英等	(40)
挤压性急性肾衰综合征肾小球超微结构改变与肾小球滤过率关系的实 验研究·····	葛庆华等	(41)
挤压性急性肾衰综合征血液高凝与肾微循环障碍关系的实验研究·····	葛庆华等	(45)
烧伤皮肤微血管的电子显微镜观察·····	吴坤莹等	(48)
用激光多普勒显微镜观察川芎对烫伤后大鼠肠系膜微循环的影响·····	周玉峰等	(52)
洋金花总碱对失血性休克肾保护作用的电镜观察·····	杨美林等	(59)
山莨菪碱对内毒素休克动物组织脏器微血管通透性的影响·····	张俊杰等	(64)
中药麻醉对休克肾功能与结构的影响·····	吴文奎等	(68)
急性失血性休克肠壁微循环的改变·····	杨书麟等	(71)
创伤性休克的扩容治疗·····	章冠东等	(71)
实验性肠源性休克时大网膜微循环的改变·····	陆志达等	(72)
平衡盐液治疗烧伤休克中几个问题的探讨·····	章冠东等	(73)
山莨菪碱促进骨折愈合的实验研究·····	周英杰等	(74)
东莨菪碱对动物实验性肝外伤愈合的影响·····	李 荷等	(74)
用改善微循环的方法治疗软组织损伤 63 例疗效观察·····	金完成等	(75)
山莨菪碱治疗下肢血栓性深静脉炎·····	李 荷等	(75)
应用莨菪类药改善微循环治疗冻伤·····	李业君	(76)
重症破伤风的微循环观察与应用中麻治疗的评价·····	唐承纯	(76)
休克病人术中应用东莨菪碱改善微循环·····	周宝臣	(77)
麻醉和手术中甲皱微循环的观察·····	王惠恺等	(77)
硬膜外麻醉患者球结膜微循环观察·····	何淑文	(77)
颈椎病患者甲皱微循环的动态观察·····	张思敬等	(78)

辐射损伤

- 辐射后微血管等间质改变对实质细胞的影响.....田 牛等 (79)
- 微血管辐射敏感性的探讨.....田 牛等 (91)
- 辐射损伤后肠微循环的改变(一)——墨汁灌注标本的观察.....田 牛等 (97)
- 辐射损伤后肠微循环的改变(二)——辐射对小肠绒毛微循环的影响.....邱丽玲等(102)
- 辐射损伤后肠微循环的改变(三)——墨汁灌注后 5 μm 和120 μm 的切片观察.....田 牛等(107)
- 辐射损伤后肠微循环的改变(四)——小肠粘膜微血管的扫描电镜观察...田 牛等(116)
- 辐射损伤后肠微循环的改变(五)——小肠粘膜微血管的超微结构改变...田 牛等(120)
- 辐射损伤后肠微循环的改变(六)——小肠、结肠、胃微血管通透性的改变.....刘育英等(124)
- 辐射损伤后肠微循环的改变(七)——小肠、结肠血含量的改变.....刘育英等(127)
- 辐射损伤后肠微循环的改变(八)——小肠、结肠、胃相对血流量的改变.....刘育英等(129)
- 辐射损伤后肠微循环的改变(九)——肠粘膜固有膜的改变及其与微循环障碍的关系.....田 牛等(132)
- 辐射损伤后肠微循环的改变(十)——小肠、结肠上皮细胞改变及其与微循环的关系.....田 牛等(137)
- 辐射损伤后肠微循环的改变(十一)——肠系膜静脉血细胞数和氧含量的改变.....田 牛等(144)
- 辐射损伤后肠微循环的改变(十二)——肠上皮固有膜内白细胞数改变及其与微循环障碍的关系.....刘凤英等(148)
- 对肠型放射病肠道粘膜中畸形细胞生成机理的探讨.....郭 鹞等(156)
- 肠型放射病时小肠粘膜与血管的相应变化.....郭 鹞等(163)
- 大鼠10Gy γ 线全身照射后微循环改善与肠腺活存关系的探讨.....吴宛坤等(166)
- 大鼠各型放射病时心血管功能的改变.....施新猷等(173)
- 分割多次与单次照射后甲状腺微血管的改变.....张俊杰 (179)
- 分割多次与单次照射后肾上腺微血管的改变.....张俊杰 (184)
- 小鼠5,000 60,000rad照射后软脑膜微循环的改变田 牛等(188)
- 10,000rad照射大鼠血浆对骨髓小肠容积脉波的影响刘育英等(193)
- 人经一次大剂量照射后微循环的改变.....田 牛等(197)
- 微循环与辐射损伤.....方永鑫等(200)

内科疾病

- 微循环与内科老年病.....黄念秋 (206)
- 微循环与弥漫性血管内凝血.....张 澍 (212)
- 常见心血管病的微循环变化.....杨继模等(214)
- 动脉硬化的眼部微循环病征.....宋振英等(217)

100例慢性阻塞性肺病患者甲皱微循环的观察	黄念秋等(221)
莨菪类药物治疗三种心脑血管疾病的体会	樊学志等(225)
新托品对小鼠耳廓微循环的影响及其对离体兔耳血管的作用	孙长荣等(228)
50例脑血栓患者甲皱微循环观察	张 澍等(232)
中年及老年心脑血管病球结膜及甲皱微循环观察	刘思萱等(237)
常见心脑血管病的血粘度变化	廖跃庭等(240)
常见心脑血管病危症的预测、预防和预治	杨继模等(242)
126例甲状腺机能亢进患者甲皱微循环观察	张静娟等(245)
糖尿病患者甲皱、球结膜微循环和糖化血红蛋白(GHb)水平的初步观察	张胜兰等(249)
49例小儿肾炎、肾病甲皱微循环观察	何淑文 (252)
急进性肾小球肾炎的抗凝血治疗	郝效槐 (255)
小儿单纯性血尿与微循环障碍	庄昭勤 (259)
654—2治疗溃疡病疗效观察	高 阳等(261)
几种疾病治疗前后的球结膜微循环观察	何淑文等(263)
15例系统性红斑狼疮甲皱微循环观察	杨献英等(267)
40例恶性肿瘤患者甲皱微循环观察	陆志达等(269)
50例冠心病患者甲皱微循环观察	梁赵希等(271)
冠心病甲皱微循环的变化	胡务贤等(272)
气功时甲皱微循环指端容积脉波图及血液流变性观察	刘思萱等(272)
用改善微循环的药物抢救一例鲁米那中毒病人	胡生华 (273)

传染病

传染病和微循环	秦绍明 (274)
654—2对中毒型菌痢的疗效评价	虞爱华等(279)
22例乙型脑炎患者甲皱微循环的初步观察	王树哲等(283)
105例肺结核病人甲皱微循环的初步观察	王树哲等(284)
急性菌痢患者与正常人甲皱微循环的比较观察	虞爱华等(288)
病毒性肝炎患者与正常人甲皱微循环的比较观察	郭曰典等(289)
208例肝炎病人甲皱微循环的观察	王树哲等(289)
50例病毒性肝炎甲皱微循环的观察	张瑞英等(290)
病毒性肝炎病人甲皱微循环的初步观察	曾 琦 (290)
东莨菪碱对急性病毒性肝炎的临床疗效及甲皱微循环的影响	秦绍明等(290)
新肝炎一号和莨菪制剂治疗急性黄疸型肝炎的临床微循环变化观察	杜振荣等(291)
病毒性肝炎亚急性肝坏死中西医结合免疫治疗期间甲皱微循环动态的观察	王明霞等(292)
氦氛激光局部照射治疗病毒性肝炎患者的甲皱微循环观察	张光曙等(292)
27例流行性出血热病人甲皱微循环观察	周天仇 (293)

中医活血化淤

微循环研究在活血化淤治法中取得的成绩·····	杨易灿 (293)
浅谈微循环障碍、血淤、活血化淤的关系·····	蒋瑞峰等(297)
765例老人甲皱、唇、舌微循环的观察·····	张玉琴等(302)
中西医结合抢救重症肝炎2例的体会·····	杨绍华等(305)
老年人青紫舌舌尖微循环及血液流变学研究·····	朱宝宽 (306)

基础医学与流变学

血管内皮与微循环·····	郭 鹞 (310)
肺微循环障碍的若干问题·····	张亚霏 (315)
纤维结合蛋白(Fibronectin Fn) ·····	徐世豪等(324)
抗凝血酶Ⅲ(Antithrombin-Ⅲ AT-Ⅲ) ·····	徐世豪等(327)
血液流变学的一般原理·····	徐世豪等(332)
高血压病患者血液流变学、脂蛋白电泳、甲皱微循环观察·····	时立翰等(334)
缺血性脑血管病血液流变学、脂蛋白电泳和甲皱 微循环观察·····	时立翰等(336)
微血管内凝血的新诊断法·····	刘怀琼 (338)

方法学与质量控制

微循环观察研究方法的质量控制·····	田 牛 (340)
影响甲皱微循环观察因素的探讨·····	朱洪逵 (347)
动物活体肺微循环观察方法·····	钟纪根等(352)
兔静脉内注入油酸后肺活体微循环变化·····	张亚霏等(355)
急性软脑膜微循环障碍实验模型的研究·····	史荫绵等(358)
小肠血管铸型方法简介·····	赵志勤等(363)
甲状腺、肾上腺、睾丸微血管的分布走行·····	张俊杰 (364)
动物骨髓阻抗式容积脉波描记方法·····	刘风英等(368)
^{99m} Tc体内标记红细胞测量脏器血含量的方法·····	刘风英等(371)
^{99m} Tc标记巨聚白蛋白测定大鼠脏器相对血流量的方法·····	赵振虎等(374)
眼球结膜微循环检查法·····	宋振英 (377)
正常人甲皱微循环昼夜动态变化·····	彭丽岚 (380)
正常人球结膜微循环的昼夜动态变化·····	朱洪逵 (385)
健康飞行员300例甲皱微循环的特点·····	刘尊尧等(388)
潜艇艇员球结膜微血管形态的改变·····	田由刚 (391)
120例健康人甲皱微循环观察·····	曾祥元等(392)
129例正常女性甲皱微循环检查·····	王明霞等(395)
237例正常人甲皱微循环检查·····	虞爱华等(398)

343例正常人甲皱微循环检查	王永桓 (402)
几种疾病甲皱微循环障碍的特点	张瑞英 (405)
矿泉水浴对甲皱微循环即刻影响的初步观察	邱月华 (405)
兴城矿泉单次浴疗对甲皱微循环、容积脉波、血压的影响	彭丽岚 (407)
光点同步扫描式微循环血流速度测量仪	王永桓 (413)

FUNDAMENTALS AND CLINICAL ASPECTS OF MICROCIRCULATION

Contents

Preface	Tian Niu
Recent Progress in Microcirculation Research	Tian Niu (1)
Traumatic Surgery	
Trauma, Burn, Shock and Microcirculation	Zhao Kesen (12)
Microcirculation and War Injuries	Wang Minhuai (19)
The Effect of Naloxone on Microcirculation during Severe Haemorrhagic Shock	Zhao Kesen et al (22)
Changes in Mesenteric Microcirculation of Rabbits during Haemorrhagic Shock and Plasma Expansion Therapy with Balanced Solution	Liu Dachang et al (27)
Changes and Electron Microscopic Observation on Microcirculation during Different Stages of Experimental Haemorrhagic Shock	Zeng Xiangyang et al (32)
Experimental Study on Extension Function of Platelets in Haemorrhagic Shock	Zeng Xiangyang et al (36)
The Influence of Acute Haemorrhage on Microcirculation of Bone Marrow in Mice	Liu Yuying et al (40)
Experimental Study on the Relationship between Ultrastructural Changes and Filtration Rate of Glomeruli in Compressive Acute Renal Failure Syndrome ...	Ge Qinghua et al (41)
Experimental Study on the Relationship between Hypercoagulability of Blood and Disorder of Renal Microcirculation in Compressive Acute Renal Failure Syndrome	Ge Qinghua et al (45)
Electron Microscopic Observation on Microvessels of Burnt Skin.	Wu Kunying et al (48)
Observation with Laser Doppler Microscope on the Effect of Ligusticum wallichii on Mesenteric Microcirculation of Rat after Burn	Zhou Yufeng et al (52)

Electron Microscopic Observation on Protective	
Effect of Total Alkaloids of Floas Daturae on	
Haemorrhagic Shock Kidney	Yang Meilin et al (59)
The Effect of Anisodamine on Permeability of Microvessels	
of Some Organs and Tissues during Endo-	
toxic Shock	Zhang Junjie et al (64)
The Effect of Anesthesia with Chinese Medicine on the	
Function and Structure of Shock Kidney	Wu Wenkui et al (68)
Changes in Microcirculation of Intestinal Wall during	
Acute Haemorrhagic Shock	Yang Shulin et al (71)
Plasma Expansion Therapy of Traumatic Shock...	Zhang Guandong et al (71)
Changes in Microcirculation of Greater Omentum during	
Experimental Enterogenic Shock	Lu Zhida et al (72)
Discussion on Some Problems in Treatment of Burn	
Shock with Balanced Salt Solution.....	Zhang Guandong et al (73)
Experimental Study on Promotion of Healing of	
Fracture by Anisodamine	Zhou Yingjie et al (74)
The Effect of Scopolamine on Healing of Experimental	
Trauma of Animal Liver	Li He et al (74)
Observation on the Effect of Treatment of Soft Tissue	
Injuries by Methods of Improvement of Microcirculation	
in 63 Cases.....	Jin Wancheng et al (75)
Treatment of Deep Thrombophlebitis of Lower	
Extremities with Anisodamine	Li He et al (75)
Treatment of Cold Injury with Drugs of	
Hyoscyamus Group by Improvement of Microcirculation...	Li Yejun (76)
Observation on Microcirculation and Evaluation	
of Treatment with Chinese Medicine Anesthesia	
in Severe Tetanus.....	Tang Chenchun (76)
Administration of Scopolamine for Improvement	
of Microcirculation during Operation of	
Shock Patient	Zhou Baochen (77)
Observation on Microcirculation of Nail Fold during	
Anesthesia and Operation	Wang Huikai et al (77)
Observation on Microcirculation of Bulbar	
Conjunctiva of Patient during Epidural	
Anesthesia	He Shuwen (77)
Observation on Dynamics of Microcirculation of	

Nail Fold in Patients with Diseases of Cervical

Vertebrae Zhang Sijing et al (78)

Radiation Injury

The Influence of Post-irradiation Changes of Interstitial

Tissues Including Microvessels on Parenchymal

Cells Tian Niu et al (79)

Discussion on Radiosensitivity of Microvessels Tian Niu et al (91)

Changes in Intestinal Microcirculation after

Radiation Injury I. Observation on Ink Perfused

Specimen.....Tian Niu et al (97)

Changes in Intestinal Microcirculation after

radiation Injury II. The Effect of Radiation on

Microcirculation of Intestinal Villi..... Qiu Liling et al(102)

Changes in Intestinal Microcirculation after

Radiation Injury III. Observation on 5 μ m and

120 μ m Sections after Ink Perfusion.....Tian Niu et al(107)

Changes in Intestinal Microcirculation after

Radiation Injury IV. Scanning Electron Micro-

scopy of Microvessels of Intestinal Mucosa..... Tian Niu et al(116)

Changes in Intestinal Microcirculation after

Radiation injury V. Ultrastructural Changes in Micro-

vessels of Intestinal MucosaTian Niu et al(120)

Changes in Intestinal Microcirculation after

Radiation Injury VI. Changes in Permeability of

Microvessels in Small Intestine, Colon and

Stomach.....Liu Yuying et al(124)

Changes in Intestinal Microcirculation after Radiation

Injury VII. Changes in Blood Content of Small Intestine

and ColonLiu Yuying et al(127)

Changes in Intestinal Microcirculation after Radiation

Injury VIII. Changes in Relative Blood Flow of small

Intestine, Colon and StomachLiu yuying et al(129)

Changes in Intestinal Microcirculation after Radiation

Injury IX. Changes in Lamina Propria of Intestinal

Mucosa and Their Relationship with Disorders of

MicrocirculationTian Niu et al(132)

Changes in Intestinal Microcirculation after Radiation

Injury X. Changes in Epithelial Cells of Small Intestine

and Colon and Their Relationship with Microcirculation.....	Tian Niu et al(137)
Changes in Intestinal Microcirculation after Radiation InjuryⅡ. Changes in Cell Number and Oxygen Content of Venous Blood of Mesentery	Tian Niu et al(144)
Changes in Intestinal Microcirculation after Radiation InjuryⅢ. Changes in Leukocyte Number in Intestinal Epithelium and Lamina Propria and Their Relationship with Disorders of Microcirculation	Liu Fengying et al(148)
Discussion on Mechanism of Formation of Deformed Cells in Intestinal Mucosa during Radiation Sickness of Intestinal Type	Guo Yao et al(156)
Corresponding Changes of Intestinal Mucosa and Blood Vessels in Radiation Sickness of Intestinal Type...	Guo Yao et al(163)
Discussion on the Relationship between Improvement of Microcirculation and Survival of Intestinal Glands in Rats after 10 Gy Total Body γ -irradiation	Wu Wankun et al(166)
Changes in Cardiovascular Function of Rats during Radiation Sickness of Various Types.....	Shi Xinyou et al (173)
Changes in Microvessels of Thyroid Glands after Multi-fractionated and Single Irradiation.....	Zhang Junjie(179)
Changes in Microvessels of Adrenals after Multi-fractionated and Single Irradiation	Zhang junjie(184)
Changes in Microcirculation of Pia Mater of Mice after 5,000 and 60,000 rad Irradiation	Tian Niu et al(188)
The Effect of Blood Plasma of 10,000 rad Irradiated Rat on Plethysmogram of Small Intestine and Bone Marrow	Liu Yuying et al(193)
Changes in Microcirculation of Man after A Single Large Dose Irradiation.....	Tian Niu et al(197)
Microcirculation and Radiation Injury	Fang Yongxin et al(200)
Internal Diseases	
Microcirculation and Geriatric Internal Diseases.....	Huang Nianqiu(206)
Microcirculation and Disseminated Intravascular Coagulation	Zhang Shu(212)
Changes of Microcirculation in Common Cardiovascular Diseases	Yang Jimo et al(214)

Signs of Microcirculation Disorder of Eyes in	
Arteriosclerosis	Song Zhenying et al(217)
Observation on Microcirculation of Nail Fold in 100 Cases	
of Chronic Obstructive Pulmonary Disease ...	Huang Nianqiu et al(221)
Experience in Treatment of Three Diseases of Heart, Brain	
and Kidney with Drugs of Hyoscyamus Group.....	Fan Xuezhi et al(225)
The Effects of Neotropine on Microcirculation of Mice	
Auricles and on Blood Vessels of Isolated Rabbit	
Ears	Sun Changrong et al(228)
Observation on Microcirculation of Nail Fold in 50 Cases	
of Cerebral Thrombosis	Zhang Shu et al(232)
Observation on Microcirculation of Bulber Conjunctiva	
and Nail Fold in Middle-aged and Old Patients with	
Cardiac and Cerebral Vascular Diseases	Liu Sixuan et al(237)
Changes of Blood Viscosity in Common Cardiac and	
Cerebral Vascular Diseases	Liao Yueting et al(240)
Prediction, Prevention and Pretreatment of Critical	
Conditions of Common Cardiac and Cerebral Vascular	
Diseases.....	Yan Jimo et al(242)
Observation on Microcirculation of Nail Fold in 126 Cases	
of Hyperthyroidism	Zhang Jinjuan et al(245)
Preliminary Observations on Microcirculation of Nail Fold	
and Bulber Conjunctiva and Glycosylated Hemoglobin	
(GHb) Level in Diabetic Patients	Zhang Shenglan et al(249)
Observation on Microcirculation of Nail Fold in 49	
Pediatric Patients with Nephritis and Nephrosis	He Shuwen(252)
The Anticoagulation Therapy of Rapidly Progressive	
Glomerulonephritis.....	Hao Xiaohuai(255)
Simple Hematuria and Disorders of Microcirculation	
in Children.....	Zhuang Zhaoqin (259)
Observation on the Effect of Treatment of Peptic	
Ulcer with 654-2	Gao Yang et al(261)
Observation on Microcirculation of Bulbar Conjunctiva	
Before and after Treatment of Several Diseases...	He Shuwen et al(263)
Observation on Microcirculation of Nail Fold in 15 Cases	
of Systemic Lupus Erythematosus.....	Yang Xianying et al(267)
Observation on Microcirculation of Nail Fold in 40 Cases	
of Malignant Tumors	Lu Zhida et al(269)

Observation on Microcirculation of Nail Fold in 50 Cases of Coronary Heart Disease	Liang Zhaoxi et al(271)
Changes in Microcirculation of Nail Fold in Coronary Heart Disease	Hu Wuxian et al(272)
Observation on Microcirculation of Nail Fold, Plethysmogram of Finger Tip and Rheology of Blood during Chinese Deep-breathing Exercise ("QiGong")	Liu Sixuan et al(272)
Emergency Treatment of A Case of Luminal Intoxica- tion with Drugs Improving Microcirculation	Hu Shenghua(273)
Infectious Diseases	
Infectious Diseases and Microcirculation	Qin Shaoming(274)
Evaluation of the Therapeutical Effect of 654-2 in Treatment of Toxic Bacillary Dysentery	Yu Aihua et al(279)
Preliminary Observation on Microcirculation of Nail Fold in 22 Cases of Encephalitis B	Wang Shuzhe et al(283)
Preliminary Observation on Microcirculation of Nail Fold in 105 Cases of Pulmonary Tuberculosis...	Wang Shuzhe et al(284)
Comparative Observation on Microcirculation of Nail Fold in Acute Bacillary Dysentery Patients and in Normal Persons	Yu Aihua et al(288)
Comparative Observation on Microcirculation of Nail Fold in Virus Hepatitis Patients and in Normal Persons.....	Guo Yuedian et al(289)
Observation on Microcirculation of Nail Fold in 208 Cases of Hepatitis	Wang Shuzhe et al(289)
Observation on Microcirculation of Nail Fold in 50 Cases of Virus Hepatitis	Zhang Ruiying et al(290)
Preliminary Observation on Microcirculation of Nail Fold in Virus Hepatitis Patients	Zeng Qi(290)
The Clinical Therapeutical Effect of Scopolamine on Acute Virus Hepatitis and Its Influence on Micro- circulation of Nail Fold	Qin Shaoming et al(290)
Clinical Observation on Changes of Microcirculation in Cases of Acute Icteric Hepatitis during Treatment with New Hepatitis Prescription NO. I and Preparations of Hyoscyamus.....	Du Zhenrong et al (291)
Observation on Dynamics of Microcirculation of Nail	

- Fold in Cases of Virus Hepatitis Complicated with
Subacute Hepatic Necrosis during Immunotherapy
with Combination of Traditional Chinese and Western
Medicine..... Wang Mingxia et al(292)
- Observation on Microcirculation of Nail Fold in
Virus Hepatitis Patients Treated with He-Ne Laser Local
Irradiation..... Zhang Guangshu et al(292)
- Observation on Microcirculation of Nail Fold in 27 Cases
of Epidemic Hemorrhagic FeverZhou Tianchou(293)
- Invigoration of Blood Circulation and
Elimination of Blood Stasis in Tradi-
tional Chinese Medicine
- The Achievements of Microcirculation Researches on
Methods of Treatment by Invigoration of Blood Circula-
tion and Elimination of Blood StasisYang Yican(293)
- An Elementary Discussion on the Relations between
Disorders of Microcirculation, Blood Stasis, Invi-
goration of Blood Circulation and Elimination of
Blood Stasis..... Jiang Ruifeng et al (297)
- Observation on Microcirculation of Nail Fold, Lip and
Tongue in 765 Old People..... Zhang Yuqin et al(302)
- Experience in Emergency Treatment of 2 Cases of Severe
Hepatitis with Combined Traditional Chinese and
Western Medicine Yang Shaohua et al(305)
- Studies on Microcirculation of Tip of Tongue and Blood
Rheology in Old People with Bluish-purple Tongue...Zhu Baokuan(306)
- Basic Medicine and Rheology
- Endothelial Cells and Microcirculation..... Guo Yao(310)
- Some Problems about Disorders of Pulmonary
Microcirculation..... Zhang Yafei(315)
- Fibronectin (Fn) Xu Shihao et al(324)
- Antithrombin-Ⅲ (AT-Ⅲ) Xu Shihao et al(327)
- General Principles of Blood Rheology..... Xu Shihao et al(332)
- Observations on Blood Rheology, Electrophoresis of
Lipoprotein and Microcirculation of Nail Fold in
Hypertension Patients Shi Lihan et al(334)
- Observations on Blood Rheology, Electrophoresis of Lipoprotein
and Microcirculation of Nail Fold in Cases of Ischemic

Cerebral Vascular Diseases	Shi Lihan et al(336)
A New Method for Diagnosis of Intramicrovascular Coagulation	Liu Huaqiong(338)
Methodology and Quality Control	
The Quality Control of Methods for Observation of Microcirculation	Tian Niu(340)
Discussion on Factors Influencing Observation of Microcirculation of Nail Fold	Zhu Hongkui(347)
An in vivo Method for Observation of Pulmonary Microcirculation of Animals	Zhong Jigen et al(352)
Changes in Pulmonary Microcirculation in vivo of Rabbit after Intravenous Injection of Oleic Acid	Zhang Yafei et al(355)
Research on Experimental Model of Acute Microcirculation Disorders of Pia Mater	Shi Yinmian et al(358)
A Brief Introduction to the Method for Casting Mould of Blood Vessels of Small Intestine	Zhao Zhiqin et al(363)
Distribution and Run of Microvessels in Thyroid, Adrenal and Testis	Zhang Junjie(364)
Impedance Type Plethysmography of Animal Bone Marrow	Liu Fengying et al(368)
A Method for Measuring Visceral Blood Content by in vivo Labelling of Erythrocytes with ^{99m}Tc	Liu Fengying et al(371)
A Method for Measuring Relative Blood Flow of Rat Viscera by ^{99m}Tc Labelled Macroaggregated Albumin	Zhao Zhenhu et al(374)
A Method for Examining Microcirculation of Bulbar Conjunctiva	Song Zhenying(377)
The Circadian Dynamic Changes of Microcirculation of Nail Fold in Normal Person	Peng Lilan(380)
The Circadian Dynamic Changes of Microcirculation of Bulbar Conjunctiva in Normal Person	Zhu Hongkui(385)
The Characteristics of Microcirculation of Nail Fold in 300 Healthy Pilots	Liu Zunyao et al(388)
Morphological Changes of Blood Vessels of Bulbar Conjunctiva in Sub- mariners and Discussion on Their Mechanisms	Tian Yougang (391)
Observation on Microcirculation of Nail Fold in 120 Healthy Persons	Zeng Xiangyuan et al(392)
Examination of Microcirculation of Nail Fold in 129	