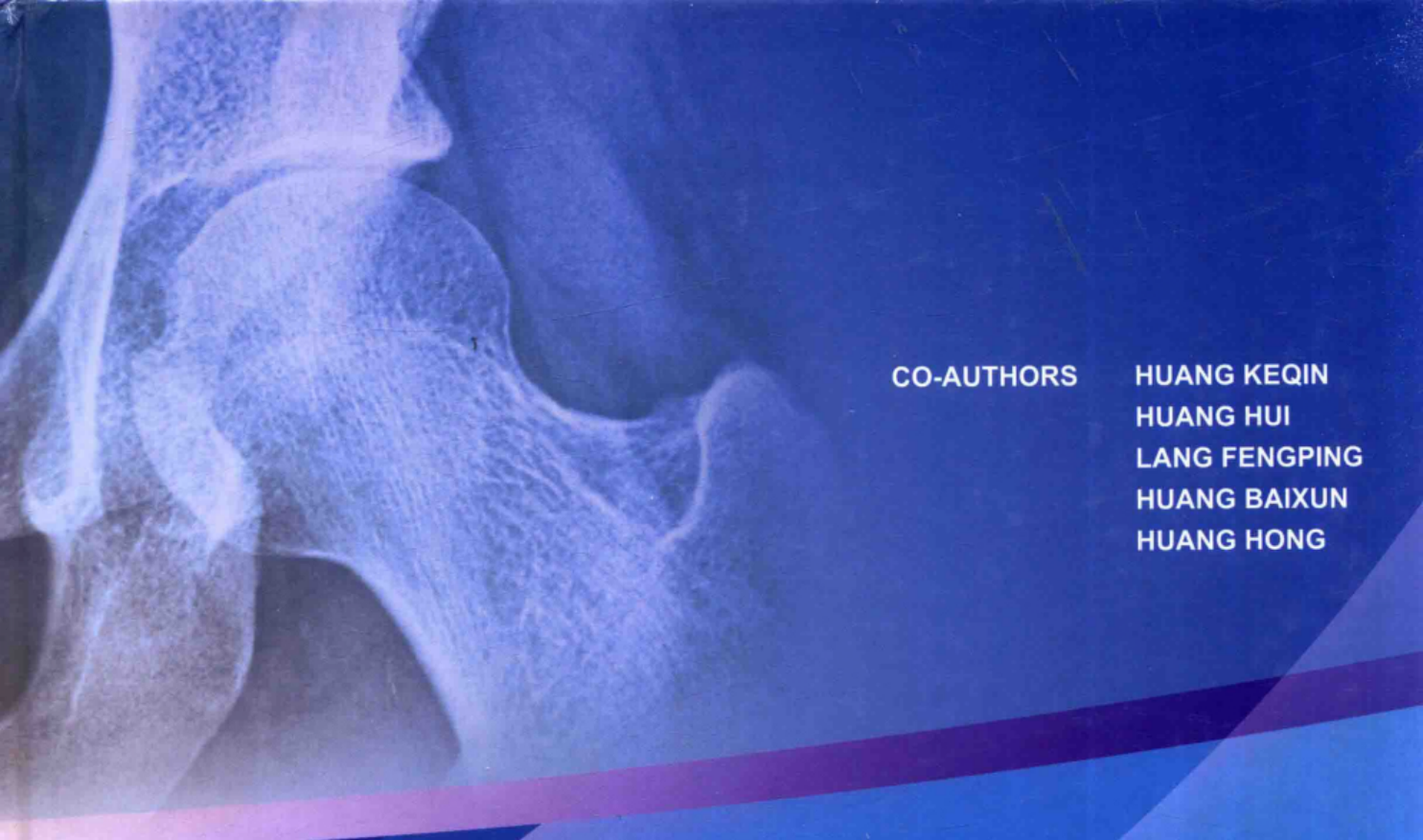




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NON-SURGICAL TREATMENTS FOR AVASCULAR NECROSIS OF THE FEMORAL HEAD



The national top book publishing units

China Press of Traditional Chinese Medicine

Non-Surgical Treatments for Avascular Necrosis of the Femoral Head

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图书在版编目 (CIP) 数据

股骨头坏死非手术治疗学: 英文 / 黄克勤等主编. —北京: 中国中医药出版社, 2016.12

ISBN 978-7-5132-3576-1

I. ①股… II. ①黄… III. ①股骨颈-坏死-中医疗法-英文
IV. ①R274.918

中国版本图书馆 CIP 数据核字 (2016) 第 197162 号

中国中医药出版社出版

北京市朝阳区北三环东路 28 号易亨大厦 16 层

邮政编码 100013

传真 010 64405750

北京瑞禾彩色印刷有限公司印刷

各地新华书店经销

开本 880×1230 1/16 印张 25 彩插 2.5 字数 1159 千字

2016 年 12 月第 1 版 2016 年 12 月第 1 次印刷

书号 ISBN 978-7-5132-3576-1

定价 216.00 元

网址 www.cptcm.com

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微信服务号 zgzyycbs

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About the author

Huang Keqin, chief physician, a State Council Special Allowance expert (awarded in 1992), a lifetime title of famous TCM physician and a talent of distinction (awarded by Jilin Provincial Government in 1995), a former professor at Shenzhen University and guest professor at Beijing College of Acupuncture and Orthopaedics, is now the deputy vice chairman of World Federation of Traditional Chinese Orthopedics, deputy vice director of China Association of Orthopedics Talents and a professor at Huatuo International College of Traditional Chinese Medicine. Dr. Huang has been listed in the *Dictionary of Chinese Contemporary Inventors*, *Dictionary of Famous Chinese Medical Doctors*, *China Expert Pool* and *Dictionary of Eureka World Inventors*.



Dr. Huang is an orthopedics expert. He has invented a total of 42 external fixators for 8 types of bone fractures. The external fixator with actuating arms successfully solved the closed reduction and transfixation pinning following femoral neck fracture.

Dr. Huang participated in treating the injured after the Great Tangshan earthquake in 1976. After years of study, he put forward the new etiology and pathomechanism for aseptic necrosis of the femoral head: Stress concentration damages bone architecture and affects intraosseous microcirculation and architectural repair. His academic ideas in circulating qi and blood and dynamic modeling enabled functional recovery of later stage femoral head necrosis. He has authored dozens of articles and books, including *Therapies Using Orthopedic Fixation Devices*, *The Therapeutics of Hip Joint Disease*, *Collections of New Orthopedic Technologies*, *Post-Trauma External Fixation*, *Practical Diagnosis and Treatment for Necrosis of the Femoral Head*, *Chinese Tuina*, *Practical External Fixation Therapeutics*, *Noninvasive Treatment for Necrosis of the Femoral Head: Atlas of Typical Case Reports* and *Chinese External Medicine*. In addition, he won 6 ministerial or provincial scientific & technical awards, 14 national patents and invention gold medals from China, France, the US, Singapore, Austria, Spain, Belgium and Eureka World Invention Expo.

About the author

In the United States and Japan, necrosis of the femoral head is a major health issue and can only be managed by artificial arthroplasty.

Due to congenital hip dislocation and failures of multiple hip joint surgeries (both sides), I suffered from necrosis of the femoral head coupled with severe dysfunctions myself. However, I managed with great effort to graduate from the Department of Chinese Medicine, Military Medical College and obtained my Master's degree in Changchun College of Traditional Chinese Medicine. Later I studied in Military Medical Academy in Moscow. Currently, I'm a chief physician and the deputy president of Beijing Huangchenggen Hospital for Femoral Head Necrosis. Based on years of study with Prof. Huang Keqin as well as my personal experience, I realized that we need a novel therapy for femoral head necrosis by modern technology and interdisciplinary collaboration. I rediscovered the stand assisting point using the nonsurgical patent in studying the novel therapy, which also benefited my own condition. In 2003, the novel therapy was listed as one of the top 10 scientific and technical awards by the State Administration of Traditional Chinese Medicine. It has exact effect for femoral head necrosis in stage 3-4. It's worth noting that this therapy has been greatly helpful to osteonecrosis secondary to SARS. I sincerely hope this therapy can help more patients with femoral head necrosis.



Huang Hong in Moscow
2004

Necrosis of the femoral head greatly endangers human health and may result in disability and loss of ability to work.

The incidence of femoral head necrosis is now on the rise. Experts in this field have proposed many methods to its prevention and management.

All pictures of typical cases in this book were taken upon noninvasive Chinese medical therapies. Since practice is the sole criterion for testing truth, typical case reports have proven that noninvasive therapies are even effective for later stage femoral head necrosis by repairing necrotic femoral head and restoring hip joint functions. In addition, we need to reconsider the idea that artificial arthroplasty is the only option for irreversible stage 3 or 4 femoral head necrosis. Studies on etiology, pathology, morphology, ultrastructural damage, electrochemistry and biomechanics of the novel therapy have greatly contributed to future in-depth study on its efficacy.

Studies have found that femoral head necrosis is associated with interrupted blood supply to the femoral head due to stress concentration-related bone architectural damage and subsequent compression to microcirculation system. Its pathological morphologies include bone architectural damage, trabecular bone breaking, collapse and deformation, and abnormal hip structure. The aims of treatment are to repair bone architecture, restore mechanical properties of the femoral head and obtain functional adaptation of the hip joint. The overall strategies are to reinforce healthy qi, circulate qi and blood, repair bone architecture, reconstruct blood supply, conduct dynamic modeling and restore functions by individualized treatment protocol.

The mainstreams in the 21st century are health, returning to nature and cherish life.

According to the World Health Organization, health is defined as a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity.

The goal of medicine in the 21st century is to employ safe, pain free therapies that minimize side effects and harm to body tissues, achieve best efficacies, and improve the patients' quality of life.

Based on Chinese medical theories, stress-electromechanical principle and Wolff's law, the noninvasive therapy for femoral head necrosis in this book activates the auto-repairing ability of bones, maximizes the role of osteoblasts and osteoclasts during femoral head repair and thus achieves functional recovery of femoral head in the context of reconstructed stress, restores physiological functions of the hip joint and improves the patients' quality of life.

Table of Contents

Introduction 1

H.G guidelines for hip joint repair in the novel therapy for AVN of the femoral head	1
Rehabilitation guidelines in the novel therapy for AVN of the femoral head	3
Treatment strategies in the novel therapy for AVN of the femoral head	3
Characteristics of the novel therapy for AVN of the femoral head	4
Indications of the novel therapy for AVN of the femoral head	5

Chapter 1 Chinese Medical Theory behind the Novel Therapy for Avascular Necrosis (AVN) of the Femoral Head 6

Essential theory in Chinese medicine	6
Re-understanding the etiology and pathogenesis of AVN of the femoral head	9
Repair theory	9
Six major treatment methods	10
Syndrome identification and disease differentiation	11

Chapter 2 Technical Points of the Novel Therapy for Avascular Necrosis (AVN) of the Femoral Head 16

Characteristic symptoms of the AVN of the femoral head	17
Contents of the novel therapy for AVN of the femoral head	17
Mechanism of the novel therapy for AVN of the femoral head	18
Classification principle for AVN of the femoral head	18
Diagnosis of AVN of the femoral head	19
Treatment of AVN of the femoral head in adults	19
Dynamic modeling mechanism of the hip joint	20
Rehabilitation concept in AVN of the femoral head	20
New perspectives	21

Chapter 3 Subtypes of the AVN of the Femoral Head 22

Osteolytic AVN of the femoral head	22
Disintegrated AVN of the femoral head	23

Table of Contents

Sclerotic AVN of the femoral head	23
Hypertrophic AVN of the femoral head	23
Rigid AVN of the femoral head	24
AVN of the femoral head with structural variation	24

Chapter 4 Guidelines for the Diagnosis and Treatment of AVN of the Femoral Head

26

Diagnostic criteria	26
Staging of the AVN of the femoral head	27
Treatment protocol	27
Evaluation criteria for therapeutic efficacy	28

Chapter 5 Inpatient Admission Criteria and Therapeutic Efficacy Evaluation Criteria for AVN of the Femoral Head

29

Inpatient admission criteria for AVN of the femoral head	29
Therapeutic efficacy evaluation criteria for AVN of the femoral head	29

Chapter 6 Therapeutic Efficacy Analysis on AVN of the Femoral Head in Different Stages

31

Conditions and requirements for therapeutic efficacy analysis in different stages	31
Therapeutic efficacy analysis after the 1 st and 2 nd courses (3 months for 1 course)	32
Therapeutic efficacy analysis after the 3 rd and 4 th courses	32
Therapeutic efficacy analysis after the 5 th and 6 th courses	33
Therapeutic efficacy analysis after the 7 th and 8 th courses	33
Therapeutic efficacy analysis after the 9 th and 10 th courses	34

Chapter 7 Quantitative Criteria for Repair and Reconstruction of AVN of the Femoral Head

35

Repair and functional reconstruction quantitative criteria for AVN of the femoral head	35
Quantitative observation on noninvasive repair and functional reconstruction of AVN of the femoral head	35

Chapter 8 Glossary and Definition of Terms for AVN of the Femoral Head

38

Glossary	38
Definition of some terms	43

Chapter 9	HC-5 Treatment Device for AVN of the Femoral Head	49
<i>Section 1</i>	<i>Application area and technical performance and level</i>	49
	Application area	49
	Technical performance	50
	Technical level	51
<i>Section 2</i>	<i>Technical criteria</i>	52
	Design specification	52
	Principal parameters	52
	Test methods	54
	Safety standard	56
<i>Section 3</i>	<i>Method of operation</i>	57
	Panel board: names and functions	57
	Operating procedures	59
	Cautionary notes	60
	Operating conditions	60
	Contraindications	60
	Routine maintenance	60
<i>Section 4</i>	<i>Application of the point device</i>	61
<i>Section 5</i>	<i>Waveform identification</i>	61
<i>Section 6</i>	<i>HYX oscillometer for AVN of the femoral head</i>	63
	Main functions and clinical studies	63
	Technical specifications	64
<i>Section 7</i>	<i>Underlying theory of the HC-5 treatment device for AVN of the femoral head</i>	66
	Experimental observation and clinical use of mechano-electric effect on bone remodeling and repair	66
	Release of active Chinese herbal components to points stimulates bone repair	71
	Factors that boost bone growth	72
<i>Section 8</i>	<i>Therapeutic efficacy study on HC-5 treatment device for AVN of the femoral head</i>	75
	Animal studies	75
	Clinical Trials	76
Chapter 10	Computer-aided Image Diagnosis for AVN of the Femoral Head	80
<i>Section 1</i>	<i>Computer image processing for radiographic films of AVN of the femoral head</i>	80

Conventional X-rays	81
Design philosophy of computer image processing for AVN of the femoral head	82
Computer image analysis for AVN of the femoral head	83
Computer image analysis procedures for AVN of the femoral head	87
Computer image analysis and diagnosis for AVN of the femoral head	90
Computer image diagnosis and application for AVN of the femoral head	90
Prospect of computer image processing technologies for AVN of the femoral head	91
Search results of computer image analysis system for AVN of the femoral head	92
Section 2 Analysis examples of computer images for AVN of the femoral head	93
Image analysis and diagnostic report for AVN of the femoral head	93
Computer image analysis examples for AVN of the femoral head	93
Section 3 Medical image processing for AVN of the femoral head	94
Current situation of medical image diagnosis for AVN of the femoral head	94
Medical image analysis of AVN of the femoral head	94
Prospect of medical image processing	95
Characteristics of medical images for AVN of the femoral head	96
Medical image processing methods for AVN of the femoral head	97
In-depth analysis on medical image processing for AVN of the femoral head	98
Experimental high pass filter analysis on X-ray films of the femoral head	99
Incomplete histogram equalization and (femoral head) X-ray image processing	99
Heat conduction equation and (femoral head) X-rays sharpening	105
Section 4 BPLI-based 3-D surface reconstruction algorithm from 2-D contour lines	111
Introduction	111
Essential principles and procedures of BPLI methods	112
The original algorithm and problem analysis	114
New algorithm	116
Experimental results and analysis	119
Conclusion	123
Section 5 Radiographic films of bones and joints	123
Radiographic films of normal bones	124
Radiographic films of bone structural lesion	126
Abnormal bone morphology	129
Soft tissue changes	129
Bone and joint structure	130
Radiographic films of normal bones and joints	130
Abnormal radiographic films of bone and joint disorders	131
Abnormal radiographic films of AVN of the femoral head	134

Chapter 11	The Novel Chinese Medical Therapy for AVN of the Femoral Head	136
<i>Section 1</i>	<i>Internal Therapy for AVN of the Femoral Head</i>	136
	Experimental study and pharmacological analysis on <i>Cheng Zai Wan</i>	136
	Application of herbal diet	155
<i>Section 2</i>	<i>External Therapy for AVN of the Femoral Head</i>	158
	Chinese medicine and external therapy	158
	Releasing electrical signals of Chinese medicine to specific points	160
	Herbal bath therapy	167
	Foot bath therapy	171
<i>Section 3</i>	<i>Pattern Identification and Treatment for Pain due to AVN of the femoral head</i>	173
	Etiology and pathogenesis	174
	Pattern identification and treatment	175
Chapter 12	Application of Meridian Theory to the Novel Therapy for AVN of the Femoral Head	178
<i>Section 1</i>	<i>Meridian points used for AVN of the femoral head in novel therapy</i>	178
	The stomach meridian of the foot-Yangming	179
	The spleen meridian of the foot-Taiyin	181
	The bladder meridian of the foot-Taiyang	184
	The kidney meridian of the foot-Shaoyin	189
	The gallbladder meridian of the foot-Shaoyang	191
	The liver meridian of the foot-Jueyin	194
	Extra points on the lower extremities	196
	The eight extraordinary meridians	197
<i>Section 2</i>	<i>Specific points designated for AVN of the femoral head in novel therapy</i>	197
<i>Section 3</i>	<i>Principles, methods and clinical significance of point selection</i>	200
	Principles of point selection	200
	Methods of point selection	201
	Clinical significance	201
<i>Section 4</i>	<i>Massage points along the pathways of selected meridians for AVN of the femoral head</i>	202
	Massage therapy	202
	Massage and syndrome differentiation	203
	Relationship between massage and reinforcing/reducing	203

Relationship between massage and Biao/Ben	204
Massage along the pathways of meridians	204
AVN of the femoral head and massage	205
Illustrations of massage along the pathways of meridians	206

Chapter 13 Application of the *Zi Wu Liu Zhu* (Midnight-Noon-Ebb-Flow) Theory in the Treatment of AVN of the Femoral Head

Significance of the <i>Zi Wu Liu Zhu</i> theory	208
Content of the <i>Zi Wu Liu Zhu</i> theory	209
The role of the <i>Zi Wu Liu Zhu</i> theory in the treatment of AVN of the femoral head	213

Chapter 14 Dynamic Modeling of the Hip Joint

Section 1 Combine stillness with motion and alleviate pain by functional exercise

Section 2 Dynamic modeling of the hip joint and functional rehabilitation

Mechanism of dynamic hip joint modeling

Purpose of dynamic hip joint modeling

Significance of dynamic hip joint modeling

Eight dynamic modeling methods for the hip joint

Requirements for dynamic hip joint modeling in adults

Functional rehabilitation for children and cautionary notes

Annex 1 *Dantian Zang-Fu* exercise

Annex 2 Medical information sheet for adults' hip joint modeling

Annex 3 Medical information sheet for device-supported hip joint modeling

Annex 4 Medical information sheet for Children's hip joint rehabilitation

Section 3 Illustrated eight dynamic modeling methods of the hip joint

Chapter 15 Nursing Care in Novel Therapy for AVN of the Femoral Head

Section 1 Special care in the novel therapy for AVN of the femoral head

Nursing requirements

Psychological care

Special care for international patients

Care in using the treatment device for AVN of the femoral head

Care during dynamic hip joint modeling

Care in daily life

Section 2 Routine care in the novel therapy for AVN of the femoral head

General care

Overall care	243
Psychological care	245
Care outline	245
Levels of care for AVN of the femoral head	248
Section 3 Special care for Chinese medical therapy	249
Internal Chinese medicine	249
External Chinese medicine	250
Section 4 Special care for releasing active components of Chinese medicine with the treatment device	251
Procedures	251
Cautionary notes	252
Section 5 Fast point location for releasing active components of Chinese medicine	253
Fast location of common points	253
Fast location of specific points	255
Section 6 Special care for medicated bath	255
Decoction of Chinese herbs	255
Preparation of bath lotion	256
Treatment method	256
Cautionary notes	256
Section 7 Special care for dynamic hip joint modeling	257
Functional exercise for dynamic hip joint modeling	257
Cautionary notes and significance of dynamic hip joint modeling	259
Abnormal gaits due to AVN of the femoral head	260
Chapter 16 Correction of Pelvic Tilt due to AVN of the Femoral Head	261
Section 1 Clinical application of pelvic balance regulator	261
Structure and functions of pelvic balance regulator	261
Indications and contraindications	262
Annex: Medical advice form for pelvic balance regulation	262
Section 2 Biomechanical study on pelvic balance regulator	263
Structural analysis of the pelvic balance regulator	264
Correction principle of the pelvic balance regulator	264
Summary and discussion	269

Chapter 17	Etiological Factors and Relevant Medical Conditions of AVN of the Femoral Head	271
Section 1	<i>Common etiological factors of AVN of the femoral head</i>	271
	Chronic alcohol intoxication	271
	Cigarette smoking	272
	Glucocorticoids	273
	Etiological theories on AVN of the femoral head	274
	Effect of stress-prostaglandin on osteogenesis	275
Section 2	<i>Relevant medical conditions of the AVN of the femoral head</i>	276
	Osteoporosis	276
	Congenital coxa vara	277
	Systemic lupus erythematosus (SLE)	277
	Metabolic bone diseases	281
	Neuropathic osteoarthropathy	282
	Differentiation between hyperparathyroidism and AVN of the femoral head	283
	Epiphyseal disease of the femoral head	288
	Differentiation between childhood AVN of the femoral head and slipped capital femoral epiphysis (SCFE)	292
	Differentiation between tuberculosis of the hip in children and pyogenic arthritis of the hip	294
	Differentiation between rheumatic arthritis and rheumatoid arthritis	294
	Abrasion and erosion of artificial femoral head	295
Chapter 18	Stress-Electro-biomechanical Theorem in Novel Therapy for AVN of the Femoral Head—H.G.G Guidelines	299
Section 1	<i>Overview of the H.G.G guidelines</i>	299
	Maintenance of bone mass	300
	Reconstruction of stress	300
	Electromagnetic effect	300
	Shape modeling of the femoral head	300
	Pain-activity interaction	301
Section 2	<i>Maintenance of bone mass</i>	301
	Animal experiments	301
	Effect of exercise load on non-adult bones	302
	Effect of exercise load on adult bones	302
	Load and porotic bones	304
	Discussion	305

Section 3	<i>Reconstruction of stress</i>	305
Section 4	<i>Pulsed electromagnetic field therapy</i>	306
	Electromechanical properties of bone	306
	Electromagnetic field therapy	309
	Direct current electrotherapy—iontophoresis and electrophoresis	309
Section 5	<i>Shape modeling of the femoral head</i>	310
	Increase bone mass—positive effect of bone functional adaptation	311
	Decrease bone mass—reverse effect of bone functional adaptation	312
Section 6	<i>Pain-activity interaction</i>	312
	Mechanism of pain	312
	Mechanism of pain alleviation	313
Chapter 19	Bone Structure and Biomechanical Property	318
Section 1	<i>Bone structure and blood supply</i>	318
	Bone structure	318
	Blood supply of bones	321
Section 2	<i>Mechanical property and influencing factors of the skeleton</i>	322
	Tension/compression mechanical property	322
	Shear mechanical property	332
	Torsion mechanical property	334
	Bending mechanical property	335
Section 3	<i>Bone energy storage and constitutive relation</i>	337
	Bone energy storage	337
	Stress-strain relationship and constitutive equation of bone	338
Section 4	<i>Functional adaptability of the skeleton</i>	340
	Wolff's law	340
	Bone adaptation to stress	341
	Bone adaptation and biomechanical principles in the treatment of AVN of the femoral head	341
Chapter 20	Biomechanics of the Hip Joint	343
Section 1	<i>Structure and stress analysis of the hip joint</i>	343
	Architectural features of the hip joint	343
	Range of motion (ROM) of the hip joint	345
	Stress analysis of the hip joint	346
	Calculation of the state of stress in the femoral neck	347

Alignment and functions of trabecular bone.....	349
Section 2 <i>Anatomy and physiology of the hip joint</i>	349
Anatomical landmarks on the surface of the body	349
Radiographic findings	351
Axial alignment of the lower extremity.....	351
Surface projections of major vessels and nerve trunks.....	352
Deep structure of the gluteal region.....	352
Acetabulum.....	352
Femoral head.....	353
Relationship between acetabulum and femoral head.....	354
Section 3 <i>Etiology, Pathogenesis and Biomechanics of AVN of the Femoral Head</i>	354
Etiology theories.....	355
Concept of stress concentration	355
Etiology and pathogenesis of AVN of the femoral head.....	356
Possible underlying biomechanical mechanism for bone remodeling and repair	356
Section 4 <i>Laser holographic study on the stress of the femoral head (neck)</i>	357
Study protocol.....	358
Devices, procedures and data acquisition	358
Numerical solution method and calculation results.....	358
 Chapter 21 Clinical Observation on the Novel Therapy for AVN of the Femoral Head	 360
 Section 1 <i>Therapeutic efficacy analysis of the novel therapy for AVN of the femoral head</i>	 360
General materials	360
Etiological factors.....	360
Clinical manifestations	361
Image analysis.....	361
Staging criteria.....	361
Treatment method	361
Therapeutic efficacy criteria	361
Treatment results.....	362
 Section 2 <i>Computer color image analysis on X-rays of typical cases with AVN of the femoral head</i>	 363

Chapter 22	Action Mechanism Study on <i>Cheng Zai Wan</i> for AVN of the Femoral Head	364
Section 1	<i>Effect of Cheng Zai Wan and combined Cheng Zai Wan and magnetic field on osteoblasts' L-type calcium channel current</i>	364
	Materials and methods	364
	Results	366
	Discussion	369
Section 2	<i>Effect of Cheng Zai Wan on cell adhesion molecule gene in mice with AVN of the femoral head</i>	370
	Results	372
	Discussion	372
	References	375