

Curriculum Vitae

Updated 18/3/2014

Abbreviations:

MOHME: Ministry of Health and Medical Education
WHO: World Health Organization
TUMS: Tehran University of Medical Sciences
SBUMS: Shahid Beheshti University of Medical Sciences
ATCGI: Avicenna The Great Cultural Institutes
VHDI: Vision of Health Development Institutes
NCDGTS: National Center for Development of Gifted and Talented Students

Personal Information

- Name: Shahram Yazdani
- Address (home): No10, Sepehri Street, Ajoodanieh Street, 1956813981 Tehran, Iran
- Address (work):
 - School of Medical Education; Valiasr Street, Tehran, Iran; Postal Code: 19857 17443
- Telephone: +9821 26210093
- E-mail (personal): shahram.yazdani@yahoo.com
- Nationality: Islamic Republic of Iran
- Date of birth: 26/05/1966 (May 26, 1966)
- Current Positions:
 - Dean of School of Medical Education (Shahid Beheshti University of Medical Sciences) (2013 -)
 - Director General of Educational Development Center of Ministry of Health and Medical Education (2014-)
 - Chief Executive Officer of “Vision of Health Development Institutes” (VHDI) (2006-)
- Previous Position: Director of (WHO Collaborating) Educational Development Center of Shaheed Beheshti University of Medical Sciences and Health Services (2001- 2013)
- Linguistic Capacities: English (good at reading, writing, and speaking)

Education

- Elementary: Ahadi Elementary School (Tehran) 1972-1976
- Middle School: National Center for Development of Gifted and Talented Students 1977-1979
- High School: National Center for Development of Gifted and Talented Students 1980-1983
- Medical School: Tehran University of Medical Sciences and Health Services 1984-1989
- Internship: Associate hospitals of Tehran University of medical sciences and Health Services (Mainly Imam Khomeini Hospital, Dr Shariati Hospital, and Sina Hospital) 1990-1991
- Orthopedic Surgery Residency: Imam Khomeini Hospital (Tehran University of medical sciences and Health Services) 1994-1998
- Orthopedic Surgery Electives: Pediatric Orthopedic Surgery (Amir kabir Hospital) 1998

Professional Background

- Academic Appointments: Associate Professor, Medical Education Department, Shaheed Beheshti University of Medical Sciences and Health Services
- Board Certification: Iranian Board of Orthopedic Surgery (1998)

Academic Outreach

Mathematical works

- Simple Analytic Prove for Euler Equation (1980)
- Approximate Method for Inversion of Laplace Transformation (1981)
- Prove of Many Lemmas on Fermas Great problem (1982)
- Designing a Prime Number Generator While Studying Goldbach Problem (1983)

Membership

- Honored Member of Iranian Association of Mathematicians (1983-2003)
- Member of Higher Council of Biomedical Centers of Excellence (Ministry of Health and Medical Education) (2000- 2006)
- Member of Higher Council of Gifted and Talented Medical Students (Ministry of Health and Medical Education) (2002-2009)
- Member of National Commission on Undergraduate Medical Education (Ministry of Health and Medical Education) (2002- 2007)
- Member of Higher Council of Health Sector Reform (Representative of Deputy Minister in Medical Education) (2001- 2008)
- Member of Association for Medical Education in Europe (2003-2006)
- Member of National Board of Family Practice (2009- 2014)
- Member of National Board of Medical Education (2013-)

Journals

- Khabarname Pezeshki (Military Medicine Journal in Farsi) Chief Editor (1992-1993)
- Novin Pezeshki Medical Journal (Weekly in Farsi): Chief Editor (1999- 2010)
- Journal of Medical Education (in English): Member of Editorial Board (2001-2010)
- Health and Medical Development Journal (Monthly in Farsi): Chief Editor (2002-205)
- Peer Reviewer of many Medical Journals in Iran

Professional Experience

- Teaching Different Courses on Mathematical Analysis, Engineering Mathematics, Differential Equations, Number Theory and Modern Physics in National Center for Development of Gifted and Talented Students (1979-1983)
- Collaborating with Compilation and Translation Office of Deputy Minister in Research (1990-1994)
- Establishment of Military Medicine Research Office (in Markaze Amoozeshe Behdari Artesh) (1992-1993)
- Working as General Practitioner in Rural Areas (kahare Village, Shirvan-Chardavol, Ilam) (1994)
- Working as Orthopedic Surgeon in District Areas (Bandar Lenge, Hormozgan) (1998)

- Member of Educational Development (WHO Collaborating) Center of Shaheed Beheshti University of Medical Sciences and Health Services (1999-2001)
- Teaching Topics Related to Health and Medical Development in Many Courses and Workshops (1999-)
 - Evidence Based Medicine
 - Medical Education
 - Research Methodology
 - Health Policy and planning
 - Health System Management
 - Health Economics and Finance
 - Clinical Excellence
- Director of (WHO Collaborating) Educational Development Center of Shaheed Beheshti University of Medical Sciences and Health Services (2001-)
- Head of Educational Group and Lecturer in Master Degree & PhD Programs in Medical Education in Educational Development Center of Shaheed Beheshti University of Medical Sciences and Health Services (2003-)

Academic Achievements and Awards

Awards

- 2nd Rank in First National Mathematical Olympiad in IRI (1983)
- 4th Rank in National University Entrance Exam (1984)
- 1st Rank in National Orthopedic Surgery Residency Entrance Exam (1994)
- Honored as Best Faculty Member of SBUMS (2003)
- Honored Medal of Academic Competency (Fifth faculty member in the history of SBUMS that achieve this medal) (2003)
- Elected as the Most Prominent Educational Innovator by MOHME – Shaheed Mottahari Jashnvareh (2008)
- Elected as the Best Curriculum Developer of Year by Iranian Curriculum Study Association (ICSA) (2009)
- Elected as Most Prominent Curriculum Innovator by MOHME – Shaheed Mottahari Jashnvareh (2010)

Medical Researches

- Immunotherapy of Cutaneous Leishmaniasis with Antigen of Leishmania Mexicana (1990-1991 with Dr. Mortezaei)
- Resurfacing of Femoral Head with Skull of Aborted Fetuses (with Dr. Taghi Baghdadi, 1997-1999)

- Allograft Reconstruction after Wide Margin Excision of Malignant Tumors of Lower Limb (1996-1998 with Dr. Faezipoor)

Projects:

- **Role Definition, Task Analysis and Clinical Educational Needs Assessment of General Practitioners in IRI:**
Project Manager (SBUMS 2003 – 2006)
- **Reform in UME Curriculum in SBUMS:**
Project Manager (SBUMS 2003 - 2010)
- **Mission Based Gifted and Talented Support Program in Universities of Medical Sciences:**
Project Manager (SBUMS 2004 -2008)
- **Establishment of "Center for Clinical Excellence" and "Knowledge Management Units" in SBUMS:**
Project Manager (SBUMS 2006 -2009)
- **Reform in Dental Education:**
Project Manager (SBUMS 2007 -2010)
- **Establishment of "Distance Web-based Program" of Master Degree in Medical Education:**
Project Manager (SBUMS 2007 -2009)
- **Development of Training Packages for Health Managers**
Project Manager (VHDI 2007 -2010)
- **Standards of Functional Integration In Health System**
Project Manager, Ordered by MOHME Deputy in Education (VHDI 2008 -2009)
- **Standards of Clinical Training in Teaching Hospitals**
Project Manager, Ordered by MOHME Deputy in Education (VHDI 2008 -2009)
- **Family Physicians Training Packages**
Project Manager, Ordered by MOHME Deputy in Health (VHDI 2009 - 2010)
- **Training Packages for Trainers of Community Nurses**
Project Manager, Ordered by MOHME Deputy in Health (VHDI 2010- 2012)
- **National Academic Development Plan**
Project Manager, Ordered by MOHME Supreme Council of Accreditation (VHDI 2010- 2012)
- **Development of National Evidence Based Practice and Medical Knowledge Management System**
Project Manager, (MOHME 2011)
- **National Policy for Elders Health and Welfare**
Project Manager, (MOHME 2012)

- **Elders Health Needs Assessment in 5 provinces**
Project Manager, (MOHME 2012)
- **National Model for Health Technology Assessment**
Project Manager, (MOHME 2013)
- **Development of HTA to Policy Decision Support System**
Project Manager, (MOHME 2013)
- **National Self-care Initiative**
Project Manager, (MOHME 2013 -)
- **Spatial Planning of Health-related Higher Education in Iran**
Project Manager, (MOHME 2013)
- **Prioritization of Health related Disciplines in Iran**
Project Manager, (MOHME 2013)

International Seminar Presentations:

- **Estimating the probability of successful implementation of proposed WFME standards for basic medical education in Shaheed Beheshti university of Medical Sciences and Health Services**
Masoud Mardani, Shahram Yazdani, Ramin Homayouni Zand, M Janahmadi
Global Standards in Medical education for Better Health Care: World Federation for Medical Education Copenhagen Denmark 15-19 March 2003
Oral Presentation
- **WFME international standards in Shaheed Beheshti faculty of medicine, IRAN**
Habibollah Peyrovi, Bahram Einollahi, Shahram Yazdani, Fakhrolsadat Hoseini, Ramin Homayouni Zand
Global Standards in Medical education for Better Health Care: World Federation for Medical Education Copenhagen Denmark 15-19 March 2003
Poster Presentation
- **Problems and impediments of implementing Best Evidence Medical Education (BEME) strategy in Shaheed Beheshti University of Medical Sciences (SBUMS)**
Shahram Yazdani*
Relevance in Medical Education: Association for Medical Education in Europe
Bern Swiss: 31 August to 3 September 2003
Poster Presentation
- **Role definition, task analysis and educational needs assessment of general practitioners in I.R. Iran**
Shirin Niromanesh; Habibollah Peirovi; Shahram Yazdani*
Relevance in Medical Education: Association for Medical Education in Europe
Bern Swiss: 31 August to 3 September 2003
Oral Presentation
- **Educational Innovations: The Role of Educational Development Centers**
Shahram Yazdani*
World Health Organization; East Mediterranean Regional Office
Cairo Egypt: 11-16 October 2003
Oral Presentation

Articles:

- **Resurfacing of Femoral Head with Pre-immune Fetal Tissue**
Taghi Baghdadi, Shahram Yazdani
Journal of Iranian Orthopedic Association Vol. 1, No. 1
- **Clinical Skills Center: A Review of the Present Situation and the Importance in Medical Education**
Haleh Talai, Monireh Sayyar, Shahram Yazdani
Journal of Medical Education Vol. 1, No. 4; 173-176 Summer 2002
- **GT Identification Measures : A Double – Edged Sword**
Shahram Yazdani, R. Gholami
Journal of Medical Education Vol 3, No.2, Summer 2003
- **Recertification: New procedures, New Benefits**
Shahram Yazdani, M. Hoseesinzadeh
Journal of Medical Education Vol 5, No.1, Spring 2004
- **Student's viewpoints on the Educational Methods Used in Shaheed Sadoughi University of Medical Sciences**
B. Moghadam, M. Ehnampoush, Sh. Yazdani, Sh. Fazelpour
Journal of Medical Education Vol 5, No.1, Spring 2004
- **A Mission – based Gifted and Talented Program**
Shahram Yazdani, R. Gholami, D. Babaie, S. Rezaei
Journal of Medical Education Vol 5, No.1, Spring 2004
- **Academic Journal Use: An Inquiry for Efficiency and Effectiveness**
Shahram Yazdani, M. Hosseinzadeh
Journal of Medical Education Vol 4, No.2, Winter 2004
- **Physicians for the Third Millennium**
Shahram Yazdani
Minerva Vol 1, No.3, Summer 2004
- **Structural Analysis in Health System**
Shahram Yazdani
Minerva Vol 3, No.9, Summer 2005
- **Reform in Medical Education: The I.R.Iran Case**
Shahram Yazdani
Minerva Vol 3, No.10, Fall 2005
- **Innovation Society and Knowledge-Based Economy**
Shahram Yazdani
Minerva Vol 2, No.8, Spring 2005
- **Validation of the Ottawa Ankle Rules**
Shahram Yazdani, MD; Hesam Jahandideh, MD
Journal of Iranian Orthopedic Association Vol. 3, No. 2 Winter 2005
- **Validation of the Ottawa Ankle Rules in Iran: A prospective Survey**
Shahram Yazdani, Hesam Jahandideh and Hossein Ghofrani
BMC Emergency Medicine, Vol 6, No.3 (16 Feb 2006)

- **Qualitative Assessment of Dimensions and Degree of Autonomy Granting to University Hospitals**
 Jafari Sirizi M,; Rashidian A, ; Abolhasani F, ; Mohammad K, ; Yazdani Sh,; Parkerton P, ; Yunesian M, ; Akbari F,; Arab M, .
 Hakim Research Journal 2008; 11(2): 59- 71.
- **Comparing the Knowledge, Attitude, and Performance of Last Year Nursing Students with Professional Nurses**
 Banaderakhshan H, Mehrabi Y, Yazdani Sh, Mortazavi F, Saedi N, Azizi F.
 Research in Medicine (Pajooheh dar Pezeshki) 2006; 29(1): 37-43
- **Clinical Decision Rule for Estimation of Mineral Bone Density**
 Yazdani Sh, Iranpoor A, Sohrabi MR, Kolahi AA, Sarbakhsh P
 Iranian Journal of Endocrinology and Metabolism 2009; 10(5) : 511-518
- **One-year results of vital pulp therapy in permanent molars with irreversible pulpitis: an ongoing multicenter, randomized, non-inferiority clinical trial.**
 Asgary S, Eghbal MJ, Ghoddsi J, Yazdani S.
 Clin Oral Investig. 2012 Mar 21
- **Space or no space for managing public hospitals; a qualitative study of hospital autonomy in Iran**
 Mehdi Jafari, Arash Rashidian, Farid Abolhasani, Kazem Mohammad, Shahram Yazdani, Patricia Parkerton, Masud Yunesian, Feizollah Akbari and Mohammad Arab
 Int J Health Plann Mgmt 2011; 26: e121–e137.
- **The first national Olympiad on reasoning and decision making in Health system management; an experience Report**
 Fatemeh Hadizadeh, Shahram Yazdani, Masoud Ferdosi, Ali Akbar Haghdost, Arash Rashidian, Arash Hadadgar, Ali Reza Monajemi, Shahram Tofighi, Ali Mohammad Sabzghabae, Peyman Adibi.
 Iranian Journal of Medical Education 2011 winter 10 (5) ; 1018-1032
- **Determination of Clinical Decision Rule for Estimation of Bone Mineral Density in Women**
 Shahram Yazdani, Atousa Iranpour Asli, Afshin Salemi, Arash Iranpour Asli, Mohamad Ali Heidarnia, Parvin Sarbakhsh
 Med Princ Pract 2011;20:416–421
- **Comparative Study: Curriculum of Undergraduate Medical Education in Iran and in a Selected Number of the World's Renowned Medical Schools**
 Reza Gaffari, Abulghasem Amini, Shahram Yazdani, Mahasti Alizadeh, Fariba Salek Ranjbarzadeh, Susan Hassanzadeh Salmasi
 Iranian Journal of Medical Education 2012 11 (7) ; 819-831
- **Does class note-taking have any advantage?**
 Ramezanzadeh R., Yazdani Sh., Khatibi R.
 Iranian Journal of Medical Education 2010 winter 9 (4) ; 396-397

- **Dexter versus Sinister Deep Vein Thrombosis: Which Is the More Sinister?**
 Findings from the NRITLD DVT Registry
 Behnood Bikdeli, Babak Sharif-Kashani, Ehsan Chitsaz, Bavand Bikdeli,
 Mandana Chitsazan, Saeid Kermani-Randjbar, Neda Behzadnia, Shahram
 Yazdani, Leila Saliminejad, and Mohammad-Reza Masjedi,
 Seminars In Thrombosis and Hemostasis /2011 Volume 37, Number 3
- **Psychometric Properties of a Farsi Version of the Authentic Assessment
 Perception Questionnaire**
 Arezoo Ebn Ahmady, Shahram Yazdani, Azam Valian, Zohreh Amiri, Fathieh
 Mortazavi, Harry A Lando Oral Health and Dental Management - Vol. 12 - No. 4 -
 December, 2013
- **Stewardship of National Oral Health system in Iran: Its strengths and
 weaknesses**
 Bahareh Tahani, Mohammad Hossein Khoshnevisan, Shahram Yazdani, Arezoo
 Ebn Ahmady, Paul Dugdale
 Archives of Iranian Medicine, Volume 16, Number 12, December 2013
- **Development of a Socioeconomic Status Index to Interpret Inequalities in
 Oral Health in Developing Countries**
 Zahra Ghorbani, Arezoo Ebn Ahmadi, Harry A. Lando, Shahram Yazdani,
 Zohreh Amiri
 Oral Health and Preventive Dentistry, Vol 11, No 1, 2013
- **Model for Implementing Evidence Based Health Care System in Iran**
 Saeed Manavi, Alireza Olyaei Manesh, Shahram Yazdani, Lida Shams, Taha
 Nasiri, Armin Shirvani, Hasan Emami Razavi
 Iranian Journal Public Health, Vol. 42, No.7, Jul 2013, pp.758-766
- **Health Technology Assessment of CEM Pulpotomy in Permanent Molars
 with Irreversible Pulpitis**
 Shahram Yazdani, Mohammad-Pooyan Jadidfard, Bahareh Tahani, Ali Kazemian,
 Omid Dianat, Laleh Alim Marvasti , Saeed Asgary
 Iranian Endodontic Journal 2013;8(4):
- **Social Insurance for Dental Care in Iran: A Developing Scheme for a
 Developing Country**
 Mohammad-Pooyan Jadidfard, Shahram Yazdani, Mohammad-Hossein
 Khoshnevisan
 Oral Health and Dental Management: Vol. 11 - No. 4 - December, 2012
- **Developing a policy guidance for financing dental care in Iran using the
 RAND Appropriateness Method**
 M.P. Jadidfard, Shahram Yazdani and M.H. Khoshnevisan
 Community Dental Health (2013), 1–7

- **How can we motivate Medical Sciences Students to learn Health system management?**
Fatemeh Hadizadeh, Shahram Yazdani, Masoud Ferdosi, Ali Akbar Haghdoost, Arash Rashidian, Arash Hadadgar, Ali Reza Monajemi, Shahram Tofighi, Ali Mohammad Sabzghabae, Peyman Adibi
Journal of Research in Medical Sciences; March 2012 Special Issue (2)

Books:

- **Modern Calculus and Analytic Geometry, R. A. Silverman** (Translation into Farsi; NCDGTS 1982)
- **Fundamentals of Physics, Yavorsky** (Translation into Farsi; NCDGTS 1983)
- **HLA and Diseases** (in Farsi) Under Supervision of Professor Manochehr Shariati (TUMS 1987)
- **Immunology, Ivan Roit** (Translation into Farsi) Under Supervision of Dr. Masood (MOHME 1990)
- **Physician Payment Methods in Healthcare System** (Translation into Farsi; ATGCI 2002)
- **The World Health Report 2002: Reducing Risks, Promoting Healthy Life** (Translating into Farsi and Editing; ATGCI 2003)
- **The World Health Report 2001: Mental Health: New Understanding, New Hope** (Translating into Farsi and Editing; ATGCI 2003)
- **The World Health Report 2000: Health Systems: Improving Performance** (Translating into Farsi and Editing; ATGCI 2003)
- **The World Health Report 2003** (Translating into Farsi and Editing; ATGCI 2004)
- **Gifted and Talented Medical Students: A Guide Book**
Shahram Yazdani, Reza Gholami (SBUMS 2003)
- **Reform in Undergraduate Medical Education: A Guide Book**
Shahram Yazdani, Fakhrolsadat Hoseini (SBUMS 2003)
- **Role Definition, Task Analysis and Educational Needs Assessment of General Practitioners**
Shahram Yazdani, Saeed Hatami (SBUMS 2003)
- **General Practitioners in I.R.Iran: Tasks and Educational Needs (in 21 volumes)**
Shahram Yazdani, Saeed Hatami (SBUMS 2006)

- **General Practitioners in I.R.Iran: Educational Needs in Physical Examination**
Shahram Yazdani, Ramin Homayooni (SBUMS 2007)
- **Introduction to Clinical Excellence**
Shahram Yazdani, Saeed Hatami, Hadi Beihaghi, Armin Shirvani (SBUMS 2007)
- **Finding Clinical Evidence**
Shahram Yazdani, Saeed Hatami, Hadi Beihaghi (SBUMS 2007)
- **Critical Appraisal of Clinical Evidence**
Shahram Yazdani, Saeed Hatami, Armin Shirvani, Hadi Beihaghi, Elnaz Ehteshami Afshar, Soroosh Hasani, Zahra Rahmani (SBUMS 2007)
- **Systematic Review of Literature**
Shahram Yazdani, Saeed Hatami, Armin Shirvani, Maryam Rajabinejad, Shahab Khazanedari (SBUMS 2007)
- **Health Technology Assessment**
Shahram Yazdani, Saeed Hatami, Armin Shirvani, Maesooome Hatami, Vahid Tabatabaei (SBUMS 2007)
- **Clinical Practice Guidelines**
Shahram Yazdani, Armin Shirvani, Leila Nasehi, Maesooome Hatami (SBUMS 2008)
- **Clinical Audit**
Shahram Yazdani, Maryam Rajabnejad Saeed Hatami, Armin Shirvani, Pejman Janbaz, Mohammad Noori (SBUMS 2008)
- **Reform in Undergraduate Medical Education: Theoretical Basis and Practical Recommendations**
Shahram Yazdani, Fakhrosadat Hoseini, Ramin Homayooni (SBUMS 2008)
- **Science & Technology Development Guidebook**
Shahram Yazdani, Reza Gholami, Soha Rezaei (ATGCI 2006)

Presentations:

- *PowerPoint slides of all presentations are available online from <http://www.atgci.org>*
- *Most of these topics are presented in Educational Development Center of Shaheed Beheshti University of Medical Sciences and Health Services and Avicenna the Great Cultural Institutes between 1999 and 2003*

Medical Education

Curriculum Development

Planned Learning Experience
General Needs Assessment
Needs Assessment of Targeted Learners
Curriculum Goals and Objectives
Curriculum Strategies
Curriculum Implantation
Curriculum Evaluation

Quality Improvement Strategies in Medical Education

Quality in Medical Education
Student Centered Strategy
Problem Based Strategy
Integration Strategy
Community Orientation
Educating for Capability
Effectiveness Strategy
Systematic Approach to medical Education

Teaching Methodology

Small Group Teaching
Teaching through Research Supervision
Self Directed Learning
Ward Teaching and Educational Rounds
Ambulatory Teaching and Learning
Journal Club
Morning Report
Mortality and Morbidity Conference

Assessment and Evaluation

Choosing Assessment Instruments
A Holistic Approach to Evaluation
Validity of Assessment
Reliability of Assessment
Portfolio Assessment

Tutor Report
Objective structured Clinical Examination
Accreditation in Medical Education

Gifted and Talented Medical Students
Philosophy and Rationale
Terminology and Definitions
Identification Procedures
Gifted and Talented Programs
Differentiated Curriculum for Gifted and Talented Students
Support and Counseling System for Gifted and Talented Students
Assessment of Gifted and Talented Students
Future Career for Gifted and Talented Students
Teachers of Gifted and Talented Students
Brain Drain and Brain Waste

Computer Assisted Instruction and Web Based Learning
Introduction to Computer Assisted Instruction
History of Computer Assisted Instruction
Educational Perspective of Web Based Learning
Typology of CAI and WBL
Structure and Navigation in CAI
Stages of Competence in Online Learning
Stages in Integrating Web Technology into a Traditional
Curriculum
Online Tutor

Cost Estimation in Medical Education
Outcome Based Medical Education
Instructional Objectives in Medical Education
Learning Theories

Evidence Based Medicine

The Need for Evidence
Asking Answerable Clinical Questions
Usefulness of the Evidence
Medical Journals
Medical Databases
Internet search Tools
Internet Search Strategies
Evidence Based Internet Resources
Evidence Based Journals
Evidence Based Textbooks
Evidence Based Databases

Diagnostic Reasoning
Test Characteristics
Bayes Theorem
Normality
Biases in Human decision Making
Risk Attitude in Decision Making
Expected Value Decision Analysis
Utility Theory
Sensitivity Analysis
Markov Chain
Multi Criteria Decision Making
Combining Diagnostic Tests
Screening
Decision Making under Constrained resources
Introduction to Economic Analysis
Cost of Illness Analysis
Cost Minimization Analysis
Cost Effectiveness Analysis
Cost Benefit Analysis
Cost Utility Analysis
Cost Value Analysis
Introduction to Critical Appraisal
Critical Appraisal of Articles about Diagnosis
Critical Appraisal of Articles about Treatment
Critical Appraisal of Articles about Harm
Critical Appraisal of Articles about Prognosis
Systematic Review
Meta-analysis
From Evidence to Practice
Clinical Prediction Rules
Clinical Pathways
Clinical Practice Guidelines
Level of Evidence and Grade of Recommendation
Evidence Based Management
Evidence Based Policy Making
Evidence Based Purchasing
Evidence Based Healthcare Centers

Health System Management

Leadership in Health Related Organizations
Strategic Planning

Health Policy and Planning

General Concepts about Healthcare Systems

Health System Classification
Health System Goals and Functions
Selection of Health Services
Organization of Health Services
Stewardship in Health System
Structural Analysis of Healthcare Operations
Health Workforce Planning
Complexity Theory and Decision Making in Health System
Healthcare Information Management
Consumer Health Informatics
Hospital Autonomy
Theoretical Basis for Health Sector Reform
Integration of Academic and Clinical Enterprises
Rational Drug Use
The Health Reform Cycle
Ethical Theories in Health Reform
Regulation in Health System
Goals for Evaluating Health System
Assessing Health System Performance
Diagnosing Problems of Health System
Political Analysis and Political Strategies

Health Economics and Finance

Health System Financing
Healthcare Budgeting
Provider Payment Models
Healthcare Rationing

Clinical Excellence

Guideline Development
 Introduction to Clinical Practice Guidelines
 Assessing the Evidence
 Applying the Evidence
 Guideline Development
 Guideline Dissemination and Implementation
 Guideline Evaluation and Revision

System Approach to medical Errors
 Introduction to Human Errors
 Terminology of Human Errors
 Epidemiology of Human Errors
 Pathology of Human Errors

Different Approaches to Human Errors
Recommendations for Preventing Human Errors
Root Cause Analysis

Clinical Governance

Research Methodology

Causality and Causal Inference
Theories and Hypothesis
Research Design
Internal Validity
Sampling
External Validity
Measurement
Scaling
Reliability
Construct Validity
Descriptive Statistics
Inferential Statistics
General Linear Model in Analysis
Conclusion Validity