



SunRise University

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SRU NATUROPATHY MEDICAL COLLEGE & HOSPIUTAL
SunRise University Campus, Alwar, Rajasthan, India

SYLLABUS

REGULATIONS AND CURRICULAM

M.D.Physician (Clinical Acupunture & Bioenergy Medicine)

I SEMESTER

Paper Code	Subject	Internal	External	Total
1MDABM01	Applied Medical Sciences and Concepts of health & diseases in Acupunture I	40	60	100
1MDABM02	Diagnosis using conventional medicine & indicators of disease process in-Acupunture and the therapeutic management of disorders through Acupunture I	40	60	100
1MDABM03	Research methodology and recent advances in Acupunture I	40	60	100
1MDABM04	Clinical Rotations Practical I	40	60	100

II SEMESTER

Paper Code	Subject	Internal	External	Total
2MDABM01	Applied Medical Sciences and Concepts of health & diseases in Acupunture II	40	60	100
2MDABM02	Diagnosis using conventional medicine & indicators of disease process in-Acupunture and the therapeutic management of disorders through Acupunture II	40	60	100
2MDABM03	Research methodology and recent advances in Acupunture II	40	60	100
2MDABM04	Clinical Rotations Practical II	40	60	100

III SEMESTER

Paper Code	Subject	Internal	External	Total
3MDABM01	Applied Medical Sciences and Concepts of health & diseases in Acupunture III	40	60	100
3MDABM02	Diagnosis using conventional medicine & indicators of disease process in-Acupunture and the therapeutic management of disorders through Acupunture III	40	60	100
3MDABM03	Research methodology and recent advances in Acupunture III	40	60	100
3MDABM04	Clinical Rotations Practical III	40	60	100

IV SEMESTER

Paper Code	Subject	Internal	External	Total
4MDABM01	Applied Medical Sciences and Concepts of health & diseases in Acupunture IV	40	60	100

4MDABM02	Diagnosis using conventional medicine & indicators of disease process in-Acupuncture and the therapeutic management of disorders through Acupuncture IV	40	60	100
4MDABM03	Research methodology and recent advances in Acupuncture IV	40	60	100
4MDABM04	Clinical Rotations Practical IV	40	60	100

V SEMESTER

Paper Code	Subject	Internal	External	Total
5MDABM01	Applied Medical Sciences and Concepts of health & diseases in Acupunture V	40	60	100
5MDABM02	Diagnosis using conventional medicine & indicators of disease process in-Acupuncture and the therapeutic management of disorders through Acupuncture V	40	60	100
5MDABM03	Research methodology and recent advances in Acupuncture V	40	60	100
5MDABM04	Clinical Rotations Practical V	40	60	100

VI SEMESTER

Paper Code	Subject	Internal	External	Total
6MDABM01	Applied Medical Sciences and Concepts of health & diseases in Acupunture VI	40	60	100
6MDABM02	Diagnosis using conventional medicine & indicators of disease process in-Acupuncture and the therapeutic management of disorders through Acupuncture VI	40	60	100
6MDABM03	Research methodology and recent advances in Acupuncture VI	40	60	100
6MDABM04	Clinical Rotations Practical VI	40	60	100

Goals and General Objective of Postgraduate Medical Education Program

1.Goal

- The goal of postgraduate medical education shall be to produce competent specialist/Medical teacher.
- Who shall recognize the health needs of the community, and carry out professional obligations ethically and in keeping with the objectives of the national health policy.

- Who shall have mastered most of the competencies, retraining to the speciality, which is required to be practical at the secondary and the tertiary levels of the health care delivery system.
- Who shall be aware of the contemporary advances and developments in the discipline concerned.
- Who shall have acquired a spirit of scientific inquiry and is oriented to the principles of research methodology and epidemiology.
- Who shall have acquired the basic skills in teaching of the medical and paramedical professionals.

I. General Objectives

- At the end of the postgraduate training in the discipline concerned the student shall be able to:
 - Recognize the importance of the concerned speciality in the context of the health need of the community and the national priorities in the health sector.
 - Practice the speciality concerned ethically and in step with the principles of primary health care.
- Demonstrate sufficient understanding of the basic sciences relevant to the concerned specialty particularly to understand the physiological effects and clinical application of Yoga & Naturopathy.
 - Identify Social, Economic, Environmental, Biological and Emotional determinants of health in a given cases and take them into account while planning therapeutic, rehabilitative, preventive and promotive measures/strategies.
 - Diagnose and manage majority of the conditions in the speciality concerned on the basis of clinical assessment, and appropriately selected and conducted traditional and conventional investigations.
 - Plan and advice measures for the prevention rehabilitation of patients suffering from disease and disability related to the specialty.
 - Demonstrate skills in documentation of individual case details as well as morbidity data relevant to the assigned situation.
 - Demonstrate empathy and humane approach towards patients and their families and exhibit interpersonal behaviors in accordance with the societal norms and expectations.
 - Play the assigned role in the implementation of national health programs, effectively and responsibly.
 - Organize and supervise the chosen/assigned health care services demonstrating adequate managerial skills in the clinical/hospital or community field situation.
 - Develop skills as a self-directed learner; recognize medical continuing educational needs; select and use appropriate learning resources.
 - Demonstrate competence in basic concepts of research methodology and epidemiology, and be able to critically analyze relevant published research literature.
 - Develop skills in using educational methods and techniques as applicable to the teaching of medical/nursing students, general physicians and paramedical healthworkers.
 - Function as an effective leader of a health team engaged in health care, research training.

1. Objectives

The following objectives are laid out to achieve the goals of the course. These objectives are to be achieved by the time the candidate completes the course. The objectives may be considered under the sub-headings:

- Knowledge (cognitive domain)
- Skills (psychomotor domain)

- Human values, ethical practice and communication abilities.

1. Statement of Competencies:-

Keeping in view the general objectives of postgraduate training, each discipline shall aim at development of specific competences, which shall be defined and spell out in clear terms. Each department shall produce a statement and bring it to the notice of the trainees in the beginning of the program so that he or she can direct the efforts towards the attainment of these components.

2. Components of Post Graduate Curriculum

The major components of the PG curriculum shall be:

- Theoretical Knowledge
- Practical/clinical skills.
- Training in Thesis/Dissertation.
- Attitudes, including communication.
- Training and advances in research methodology.

1. Eligibility for Admission:

The following persons will be eligible for admission in the above course: Regular Medical Degree Course in Bachelor of Naturopathy and Yogic Sciences (BNYS) from recognized university/ four and half years regular Diploma in Naturopathy (N.D) of Osmania University, Hyderabad.

B.N.Y.S ----

- a) Bachelor of Naturopathy and Yogic Sciences 5 ½ years regular course
4 ½ + 1 year internship awarded by NTRUHS (AP state), RGUHS (Karnataka) and other recognized universities
- b) B.N.Y.S --- 5 years regular course (4 years + 1 year internship) awarded by RGUHS (Karnataka) and Mangalore University (Karnataka).

The candidates from other university need to obtain eligibility certificate before admission from this university by submitting the following certificates

1. Degree certificate / provisional certificate-II
2. Completion of internship certificate
3. Migration certificate
4. Higher secondary certificate -(10+2)

7. DURATION OF THE COURSE;

The duration of the course will be three years

8. REGISTRATION;

A candidate for the M.D. Naturopathy/Yoga/Acupuncture& Energy Medicine degree shall register himself/herself with the university prior to the commencement of the course on the 1st October of that year by paying the prescribed fee.

9. ATTENDANCE:

The student will be required to attend at least 85% of total lectures and practical in each subject before he/ she will be allowed to appear for the examinations. The syndicate may however consider special case on merit. A candidate pursuing the course should work in the institution as a full time student by attending clinical duty, teaching practice etc as instructed by the principal. No candidate should be permitted to run a clinic/laboratory/nursing home while studying P.G. No candidate shall join any other course of study or appear for any other examination conducted by this University or any other University in India or abroad during the period of study.

10., EXAMINATION:

1. Once the title of dissertation is accepted the student will not be allowed to change the proposed scheme of work without prior sanction of the authorities concerned.
2. Working for a dissertation should be utilized for intensive study of relevant literatures, collecting notes, scientific data, experiments seminars, workshops and its critical study. The dissertation must consist of students own account of research. They should be able to re –express his/her observation and draw conclusions on the basis of the study of literature in the field.
3. The dissertation should be suitable for its publication in abridged form.
4. In no case, a paper written or published in joint name of two or more authors shall be accepted as dissertation. The student may however submit in support of his/her dissertation a published work at which he/she is the author or co-author.
5. The dissertation should contain at the end a summary of not more than 1500 words embodying the conclusion arrived at by the students.
6. The dissertation must be typed on one side of the paper with a margin of one inch on either side and must be bound. On the outer cover, the title of the dissertation, the name of the student, the name of the article, the name of the guide and year of circulation of the dissertation should be mentioned. The dissertation should not ordinarily exceed 150 one side typed pages and should not be less than 50 one side pages including charts/bar diagrams photographs, bibliography/References etc..
7. The dissertation should be submitted in the third year of the examination. The last date for submission of dissertation is 3 months before final examination.
8. Four copies in English, the bound dissertation together with a certificate from the head of the department must be submitted to the university, through the principal of college or on or before the date prescribed for the submission.
9. The dissertation should be examined by examiners appointed by the university.
10. The dissertation when accepted shall become the property of the university and permission to publish the same shall be obtained from the university. In no case it should be published before it is accepted.

11. One of the dissertations will be kept in university library, one in the college library, one in the concerned (and one copy for the guide).
12. If the dissertation is not approved it will be returned to the student with the remarks of the examiners and the student can resubmit the same after complying with the observation made by the examiners within 3 months before next examination.
13. There will be viva-voice test practical examination on the subject of the dissertation comprising marks in aggregate.(100 marks)
14. The dissertation should represent in outcome of methodology and scientific research pursued by the student on the problems selected by him/her, and completed under guidance of the Head of Department/Institution.
15. Before the student is allowed to undertake work in dissertation, the title of dissertation should be registered with university within one month from declaration of the result of the preliminary year.

11. THE APPLICATION FOR THE REGISTRATION OF DISSERTATION:

1. Full title of the dissertation and methodology indicating familiarity with the subject of the student.
2. The name of the department shall be specifically mentioned. The report of the examiners of the dissertation will be taken into consideration in the final assessment of the results of the candidate at the examination.
3. The candidate need not appear in the subsequent chances in the subject or subjects if he has already posted and declared successful.
4. If a candidate fail in one subject only, in the I year he shall be promoted to the next higher class but he shall have to pass in the subject before he is allowed to appear in the final examination.

12. PATTERN OF STAFF for each specialty

1. Professor --- One
2. Associate professor/Reader --- One
3. Assistant professor/Lecturers--- Two
4. Demonstrator/tutor/Asst.Lecturer--One
5. Assistant -- One
6. Multipurpose worker-- One

13. Medium of instruction

Medium of instruction shall be English

14. Scheme of examination

M.D. degree examinations shall consist of dissertation, written paper (theory), practical/clinical and viva voce.

Dissertation: Every candidate shall carry out work and submit a dissertation as indicated as above.

WRITTEN EXAMINATION:

M.D., Physician (ACUPUNCTURE & BIOENERGY MEDICINE)

- Applied Medical Sciences and Concepts of health & diseases in Acupuncture
- Diagnosis using conventional medicine & indicators of disease process in Acupuncture and the therapeutic management

of disorders through Acupuncture Paper III- Diagnosis using conventional medicine & indicators of disease process in Acupuncture and the therapeutic management of disorders through Acupuncture Third year

- Research methodology and recent advances in Acupuncture

Final dissertation and presentation with viva voce

Written examination shall consist of 3 hours duration for each paper. Each paper shall carry 100 marks theory, 100 marks practical (IA-(20) & Practical (80)) , and 50marks for viva voce

Pattern for the theory Question paper scheme:

Duration: 3 hours

Max Marks: 100

Type of questions	No. of questions for each subject	No. of questions and marks for each question	Total Marks
Long essay	2	2x20	40
Short Notes	6	06x10	60

Total- 100

Practical examination:

Clinical examination

Total marks: 80

To elicit competence in clinical skills one long case 40 marks Differential diagnostic formulation
two short cases-20 x 2 40 marks In case of practical examination For

example,it should be aimed at assessing (i) competence in the practice of yoga and teaching methods, (ii) use of disease specific yoga modules based on clinical examinations, (iii) ability to make relevant and valid observations, interpretations, and inference of laboratory or experimental work relating to his/her subject. same model for naturopathy and acupuncture shall be followed.

In case of clinical examination, it should be aimed at examining clinical skills and competence of candidates for undertaking independent work as a specialist. Each candidate should examine at least one long case and two short cases.

The total marks for practical/clinical examination shall be 80.

Viva voce: viva voce examination shall aim at assessing depth of knowledge, logical

reasoning, confidence and oral communication skills. The total marks shall be 50 and the distribution of marks shall be as under:

- For examination of all components of syllabus 30 marks
- For pedagogy 20 marks
- Viva-voce examination: (30 marks)

All examiners will conduct viva-voce conjointly on candidate's comprehension, analytical approach, expression and interpretation of data. It includes all components of course contents. In addition candidates may be also be given case reports, charts, gross specimens, histopathology slides, x-rays, ultrasound, CT scan images, etc., for interpretation. In addition, the candidates may also be evaluated on the skills in identifying and interpreting the indicators of disease according to specialty. It includes discussion on dissertation also

- Pedagogy Exercise: (20 marks)

A topic is given to each candidate in the beginning of clinical examination. He/she asked to make a presentation on the topic for 8-10 minutes.

Examiners: There shall be at least two examiners, one internal and one external from outside the University. The qualification and teaching experience for appointment, as an examiner shall be as that of a post-graduate guide.

Criteria for Declaring as Pass in University Examination: A candidate shall secure not less than 50% marks in each head of passing which shall include (1) theory (2) practical including clinical and viva voce examination.

A candidate securing less than 50% of marks as described above shall be declared to have failed in the examination. Failed candidates may appear in any subsequent examinations upon payment of fresh fee to the registrar.

Declaration of Distinction: A successful candidate passing the university examination in first attempt will be declared to have passed the examination with distinction if the grand total aggregate marks are 75% and above. Distinction will not be awarded for candidates passing the examination in more than 1 attempt.

Monitoring Progress of Studies:

a. Work diary/log book: Every candidate shall maintain a work diary and record his/her participation in the training programs conducted by the department such as practical training in yoga, disease specific yoga therapy modules, yoga therapy teaching sessions, journal reviews of papers relevant to yoga therapy, seminars on concepts of yoga and management of diseases using yoga therapy, etc (please see chapter IV for model check list and log book specimen copy).

b. The candidate may make special mention in the presentations on the observations made on clinical or laboratory procedures if conducted by the candidate. The work diary shall be scrutinized and certified by the head of the department and head of the institution and presented in the university practical/clinical examination.

INTERNAL ASSESSMENT (IA) – 20 MARKS

Institution running the course shall conduct two internal assessment exam before appearing for the annual exam, the tests may include written papers, articles/clinical and viva voce. The marks obtained in these tests will be considered for internal assessment. Average of the two marks will be computed for internal

Assessment.

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If a candidate is absent from the test due to genuine and satisfactory reason, such a candidate may be given a re-test within a fortnight.

Guide:

The academic qualifications and teaching experience required for recognition by this university as a guide for dissertation work is as per the guidelines from the concerned board of studies. In the present scenario, in the field of Yoga & Naturopathy system of medicine, there are no pg. Courses i.e., M.D. for the graduates in Yoga & Naturopathy in Tamilnadu. In this situation, the faculty with the following guidelines shall be considered as faculty and guide for post-graduation Candidates possessing master's and doctoral degree in Yoga/Naturopathy from any recognized University along with the undergraduate degree in Naturopathy & Yogic Sciences having more than 7 years of teaching experience / 15 years clinical experience in hospitals of Yoga & Naturopathy will be designated as professors, 5 years teaching experience will be designated as associate professors/reader, 3 years teaching experience will be called as assistant professors/lecturer and no teaching experience is required for the demonstrator / Asst. lecturer. for the M.D. program. Existing teaching faculties with BNYS/ ND [OSM. Uni.] Having more than 10 years of teaching experience / 20 years clinical experience in hospitals of Yoga & Naturopathy will be designated as professors, 5 years experience will be designated as associate professors and less than 5 years of teaching experience as lectures.

A co guide may be included provided the work requires substantial contribution from a sister department or from another medical institution recognized for teaching/training by the Tamil Nadu Dr.M.G.R.Medical university, Chennai. The co guide shall be recognized postgraduate teacher of Tamil Nadu Dr.M.G.R.Medical University, Chennai. Change of guide, in the event of a registered guide leaving the college for any reason or in the event of death of guide, guide may be changed with prior permission from university.

Minimum required Infrastructural facilities:-

The post graduate education Centre for conducting M.D (yoga) shall satisfy the entire minimum requirements of undergraduate training (BNYS) as prescribed by the University and in addition shall full fill additional requirements of post graduate training. Only BNYS Degree colleges functioning with reputation and at least five batches would have been passed out are eligible to start the PG course. Apart from UG (BNYS) requirements, the Post Graduate Department shall have well designated lecture hall(s) with audio-visual facilities, yoga hall, established laboratories for Basic medical sciences, diagnostic laboratories, laboratories for yoga and naturopathy research [basic and clinical] and a museum. Each department shall have separate staff room and departmental library. Separate Post Graduate Hostels for Male & Female. The stipend and contingency shall be provided at the rates prevailing in the state for other medical Post Graduate students.

Teaching hospital requirements:-

The hospital with starting minimum of 50 beds is required to start a M.D. program. By the end of the third year of PG admission the hospital will have 100 beds. The student-bed ratio in the hospital should be 1:3. The number of candidates permitted shall depend upon available bed strength over and above minimum hundred bed strength prescribed. The Annual

average bed occupancy in the hospital should be

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more than 60%.

-Applied basic medical sciences and concepts of health & diseases in Acupuncture I,II,III,IV

-Diagnosis using Modern Medicine & indicators of disease process in Acupuncture and the Therapeutic management of disorders through Acupuncture

-Diagnosis using conventional medicine & indicators of disease process in Acupuncture and the therapeutic management of disorders through Acupuncture

-Research methodology and recent advances in Acupuncture Final dissertation and presentation with viva voce

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COURSE CONTENTS - M.D. (ACUPUNCTURE & ENERGY MEDICINE) PAPER I

APPLIED BASIC MEDICAL SCIENCES AND CONCEPTS OF HEALTH & DISEASES IN ACUPUNCTURE & ENERGY MEDICINE

I. PHILOSOPHY AND PRACTICE OF ACUPUNCTURE & ENERGY MEDICINE.

1. History and evolution of acupuncture.

2. Basis of acupuncture in India and acupuncture in other parts of the world. 3. Qi/Chi/Prana in various health sciences (subtle anatomy and physiology of energy) 4. Traditional and modern theories of acupuncture.

5. Meridians (outer and inner channels), collaterals, muscle meridians, extra meridians, extraordinary points.

6. Traditional and modern techniques of acupuncture and its precautions. 7. Etio-pathogenesis in acupuncture (exo and endogenic factors) 8. Diagnostics methods in acupuncture

9. Differentiation of syndromes and general principles of treatments. 10. Treatment of diseases (clinical, classical, single needle therapy) 11. Moxibustion

12. Auriculo acupuncture, face and scalp acupuncture 13. Sujok, acupressure, reflexology

14. Acupuncture anaesthesia 15. Cosmetic acupuncture

16. Instruments for diagnosis and treatment of acupuncture 17. Malpractices in Acupuncture.

18. Traditional Chinese medicine

ENERGY SCIENCE RELEVANT TO ACUPUNCTURE:

- 1.Importance of integrated medicine for integrated health.
- 2.Energy sciences based on Pancha bhutas and Prana
- 3.Prana and energy system in Siddha, Ayurvedha and Unani
- 4.Energy sciences Vs energy medicine
- 5.Reflexology.
- 6.Yoga and acupuncture (asanas, Prayanama, mudra etc.,)
- 7.Acu-Varma and marma
- 8.Acu-Varma in emergency
- 9.Homeopathy & Acupuncture
- 10.Diet (basic and advanced)
- 11.Taste based food medicine & acupuncture.
- 12.Pharmaco-genetics and pharmaco-kinetics of herbs
- 13.Reike and Pranic healing
- 14.Taiju (massage) and acupuncture
- 15.Qi-Qunge and Tai-Chi (energy exercise)
- 16.16.Martial arts and energy system.
- 17.Mind and Prana,
18. Body and mind balancing
- 19.Acupuncture psychology and yoga psychology.
- 20.20.Lifestyle and prana
- 21.Prayer healing
- 22.Meditation to meditation
- 23.Adaptations of energy sciences in cultures and religions
- 24.Electro Magnetic waves & Magneto biology
- 25.Diagnostic methods of prana (modern and traditional energy scanning methods)
- 26.Instruments useful in diagnosis & treatments energy medicine
- 27.Acupuncture and pain management
- 28.Acupunture and natural delivery

III Applied basic medical science relevant to acupuncture & energy medicine.

Applied anatomy, applied physiology and biochemistry related to advancement in understanding the physiological effects of natural therapies and establishing the physiological basis for symptamatology and diagnosis and chromo diagnosis. Microbiology and pathology relevant to the concepts of health and disease in acupuncture & energy medicine Clinical pharmacology* - Introduction to principlesof drug therapy; adverse reactions to drugs; physiology and pharmacology of the

autonomic nervous system, nitric oxide and its' biologic and medical implications.*This provides the required knowledge to handle patients who are on conventional medication s while offering acupunture treatments.

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IV. Acupuncture and energy medicine according to siddha, Ayurveda, unani and homoeopathy.

PAPER II

DIAGNOSIS USING MODERN MEDICINE & ACUPUNCTURE DIAGNOSIS AND ACUPUNCTURE & ENERGY MEDICINE FOR THE DISORDERS

Cardiovascular System: CARDIOLOGY

- Diagnosis and approach to the patient with heart disease-physical examination the cardiovascular system. Knowledge about conventional treatments.
- Disorders of the heart; normal and abnormal myocardial functions, heart failure congenital heart disease in the adult, rheumatic fever, vascular heart disease, Cardiac pulmonale; cardiomyopathies; myocarditis; Pericardial disease; Cardiac manifestations of systemic diseases
- Alteration in circulatory and respiratory functions:-Dyspnea, cough, approach the patient with a history of stable or unstable angina, approach to the patient with hypertension; cyanosis; edema; shock..
- Vascular disease; atherosclerosis; acute myocardial infarction; ischemic heart disease; hypertensive vascular disease; vascular disease of the extremities.
- Cardiac Rehabilitation

Respiratory System: PULMONOLOGY & PULMONORY MEDICINE

Diagnosis and approach to the patient with disease of the respiratory system.Knowledge about conventional treatments.

Disturbances of respiratory system; disturbances of respiratory functions.

Disease of the respiratory system; bronchial asthma; chronic bronchitis.

COPD; emphysema and airway obstruction; disorders of ventilation; sleep apnea;acute respiratory distress syndrome

Disease of the respiratory system; bronchial asthma; chronic bronchitis;

COPD; emphysema and airway obstruction; disorders of ventilation; sleep apnea;acute respiratory distress syndrome.

Pulmonary rehabilitation

Kidney and Urinary Tract: UROLOGY & NEPHROLOGY

- Alterations in Urinary functions and Electrolytes; cardinal manifestations of the renal disease; voiding dysfunction, incontinence and bladder pain; fluid and electrolyte disturbances; acidosis and alkalosis.
- Alterations In The Urogenital Tract: impotence; disturbances of menstruation and other common gynecologic complaints in women.
- Approach to the patient with diseases of the kidney and urinary tract. Knowledge about conventional treatment. Disturbance of renal function, acute renal failure and chronic renal failure.

Gastrointestinal system

- Alterations in Gastrointestinal Functions: dysphagia, nausea, vomiting and indigestion; diarrhea and constipation; gastrointestinal bleeding; jaundice-abdominal swelling; ascitis.
- Approach to the patient with gastrointestinal disease. Knowledge about conventional treatments
- Diseases of the esophagus; peptic ulcer and related disorders, disorders of absorption, IBS; ulcerative colitis and crohns disease
- Liver and biliary tract disease; approach to the patient with liver disease; evaluation of liver function; derangements of hepatic metabolism; bilirubin metabolism and hyperbilirubinemia; toxin and drug induced hepatitis; chronic hepatitis; cirrhosis and alcoholic liver disease infiltrative and metabolic disease affecting the liver; disease of the gallbladder and the bile ducts.
- Disorders of the pancreas – acute and chronic pancreatitis

Immune System, Connective Tissues and Joints

- Hematological alteration – anemia; bleeding and thrombosis; enlargement , of lymphnodes and spleen
- Pain pathophysiology and management-chest discomfort and palpation – abdominal pain – headache – back and neck pain
- Approach to the patient with the disorder of immune system, connective tissue and joints. Knowledge about conventional treatment.
- Disorders of the immune system – introduction to immune system, major histo- compatibility, primary immune deficiency disease; HIV disease; AIDS and related disorders; amyloidosis
- Disorder of immune mediated injury – disease of immediate type hypersensitivity; systemic lupus erythematosus; rheumatoid arthritis; dermatomyositis and polymyositis; Sjogren's syndrome, ankylosing spondylitis; undifferentiated spondyloarthropathy; behcet's syndrome; the vasculitis syndromes; sarcoidosis.
- Disorders of the joints – approach to articular and musculoskeletal disorders; osteoarthritis; arthritis due to deposition of calcium crystals, infectious arthritis psoriatic arthritis and arthritis associated with gastrointestinal diseases; relapsing polychondritis and other arthritides.

Endocrinology & METABOLIC DISEASE (DIABETOLOGY)

- Alteration in body temperature: fever and hyperthermia; fever and hypothermia.
- Endocrinology – approach to the patient with endocrine and metabolic disorder knowledge about conventional treatments.
- Obesity, anorexia nervosa and bulimia nervosa; enteral and parenteral nutritional therapy; vitamin deficiency and excess-disturbance in trace elements
- Neuroendocrine regulation and diseases of the anterior pituitary and hypothalamus; diseases of the thyroid; diseases of the adrenal cortex pheochromocytoma; diabetes mellitus; hypoglycemia; disorders of the testis, ovary and female reproductive tract; endocrine disorders of the breast; disorders affecting multiple endocrine systems.
- Disorders of intermediary metabolism – disorders of the lipoprotein metabolism hemochromatosis; porphyrins; gout and other disorders of purine metabolism.
- Disorders of bone and mineral metabolism – calcium, phosphorous, bone metabolism; calcium regulating hormones; diseases of the parathyroid gland metabolic bone disease; disorders of phosphorous metabolism.

PAPER III

DIAGNOSIS USING (CONVENTIONAL)MODERN MEDICINE & ACUPUNCTURE DIAGNOSIS AND ACUPUNCTURE & ENERGY MEDICINE FOR THE DISORDERS

Neurological disorders

- Nervous system Dysfunction: faintness, syncope, dizziness, vertigo; weakness, abnormal movements and imbalance; episodic muscle spasms, cramps, weakness; numbness, tingling and sensory loss, acute confusional states; and other focal cerebral disorders; memory loss and dementia; disorders of sleep and circadian rhythms.
- Approach to the patients with Neurologic Disease. Knowledge about conventional treatments
- Electro-physiologic studies of the central and peripheral nervous systems; nerves imaging in neurological disorders
- Diseases of the Central Nervous System – migraine and cluster headache syndrome, seizures and epilepsy; Alzheimer's disease and other prime dementias; parkinson's disease and other extra pyramidal disorders; ata disorders; disorders of ANS: disorders of cranial nerves; diseases of spinal cord
- Disorders of The Nerves And Muscles – diseases of the peripheral nervous system; myasthenia gravis, muscular dystrophy and other diseases of neuromuscular junction; diseases of muscle
- Chronic fatigue syndrome
- Alcoholism and drug dependency – alcohol and alcoholism – opioid drug abuse and dependence
- Neurological rehabilitation

Dermatological disorders

- Alteration in the skin – approach to the patient with skin disorders

- Approach to the patient with dermatological diseases knowledge about conventional treatments
- Eczema; Psoriasis; Acne Vulgaris, allergic dermatitis; other common skin disorders; skin manifestation of internal disease.

Psychiatric disorders

- Approach to the patient with psychiatric disease. Knowledge about conventional

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treatments.

- Anxiety neurosis; depression; obsessive compulsive disorders, manic depressive psychosis; bipolar disorders; mood disorders; personality disorder; psychosis.
- Psychiatric rehabilitation

Oncology

- Approach to the patient with cancer. Knowledge about conventional treatments
- Psychosocial factors in the etiology and pathogenesis of cancer
- Benign and Malignant carcinomas, Knowledge about congenital diagnostic procedure, radiotherapy and chemotherapy
- Principles and practice of Integrative Oncology (i.e) use of congenital and natural management strategies and psychosocial care in oncology.
- Psychosocial rehabilitation

Obstetrics and Gynecology

- Approach to the patient with Pregnancy. Knowledge about conventional care
- Anti – natal care; maintenance of normal pregnancy, child birth, post natal care
- Approach to the patient with Gynecological complains. Knowledge about conventional care
- Menstrual disturbance, Infertility, uterine diseases; ovarian diseases; pelvic tumors
- Family planning procedures.

Disorders of the Eyes, Ears, Nose and Throat

- Approach to the patient with ENT disorder. Knowledge about conventional treatment
- Disorder of the Eye, disorders of nose, ear and throat.

PAPER 1V RESEARCH METHODOLOGY AND RECENT ADVANCES IN ACUPUNCTURE AND BIOENERGY MEDICINE

Research methodology

Planning a research study; techniques for literature review including comutational Database searches; study designs; assessment techniques, medical statistics; medical writing; project proposal preparation.

Recent advances

- Psycho neuro immunology [PNI] and Psycho neuro endocrinology – explaining themind – body connection in disease and health
- Psychophysiology of biological rhythms , emotions , behavior and aging
- Stress and its impact on health and disease: Physiological mechanisms underlying‘stress response’.
- Psychosomatics and psychosomatic medicine – role of human thinking, behavior andlife style in the etiology, pathogenesis, clinical manifestations and management of

non-communicable life-style related diseases.

- Lifestyle and psychosocial behavior-health educational and natural medicine in prevention in high risk groups, effective management of chronic lifestyle related disease and minimization of subsequent medical complications
- Inherent healing capacities and natural therapies; concept of spontaneous regression, role of positive thinking, health behavior and natural therapies in spontaneous regression; clinical implications of natural therapies in eliciting inherent healing capacities.
- Natural and holistic medicine – integrating the physical, psychological, mental, social and spiritual needs of an individual in promotion of positive health, prevention of diseases and disabilities, management of diseases and overall improvement in ‘quality of life’.
- Advances in therapies used in Acupuncture and Energy medicine.
- Advances in medical & psychiatric rehabilitation.
- Integrative medicine.

Reference book and other materials:

- Research methods and statistics

Research methods and statistics

- 1)Research methods for therapists. Avril Rummond, Jo Campling, Nelson, Thornes, 1996
- 2)Complementary and Alternative Medicine: Legal Boundaries and Regulatory Perspectives by Michael H Cohen (paperback – Aug 19, 1997)
- 3)Regulation of functional foods and Nutraceutical L A Global Perspective (Institute of Food Technologist) by Clare Hasler (Hardcover – Mar 1, 2005) – Illustrated
- 4)The Principles and Practice of Hydrotherapy: A guide to the Application of Water In Disease For Students and Practitioners of Medicine by Simon Barunch (paperback – Jul 9, 2006)
- 5)Massage therapy career guide by Steve Capellini (paperback – Oct 12, 1998)
- 6)Research papers on all concerned topics from peer reviewed journals

*The list of reference books shall be updated every year and submitted to the university for Approval by the institution executing the MD program.

REFERENCE BOOKS:

ACUPUNCTURE BOOKS:

- Felix mann books :

- Reinventing acupuncture: a new concept of ancient medicine.
- Acupuncture : cure for many disease.

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Atlas of Acupuncture.

Meridians of acupuncture.

Treatment of disease by acupuncture.

Acupuncture : the ancient Chinese art of healing.

Scientific aspects of acupuncture.

Acupuncture 1 & 2 Dr.Fazlur Rahman

Acupuncture – Anton Jayasurya

Five spirits –Alchemical Acupuncture For Psychological And Spiritual Healing-Lorie Eve Dechar

The Channels of Acupuncture. Clinical Use of the Secondary Channels and Eight Extraordinary Vessels BOOK-- [Maciocia Giovanni](#)

Clinical Introduction to Medical Acupuncture By Steven K.H. Aung, William Pai-Dei Chen

Single Point Acupuncture and Moxibustion for 100 Diseases--[Decheng Chen](#)

Family Secret: One-needle Acupuncture -- S. Yanagiya

Acupuncture & Moxibustion - A Clinical Desk Reference -- Cheng Xiaoming

Management of Postoperative Pain with Acupuncture -- Peilin Sun

The Systematic Classic of Acupuncture & Moxibustion -- Mi Huangfu

Wrist-Ankle Acupuncture: Methods and Applications -- He Hun Lao, Moses Li

Acupuncture and the Chakra Energy System: Treating the Cause of Disease -- John
R. Cross

Current Research in Acupuncture -- Ying Xia, Guanghong Ding, Gen-Cheng Wu

Micro-Acupuncture in Practice --Yajuan Wang

Medical Acupuncture in Pregnancy -- Ansgar Thomas Roeme

The Lost Secrets of Ayurvedic Acupuncture: An Ayurvedic Guide to Acupuncture
---By Frank Ros

Principles of Ear Acupuncture: Microsystem of the Auricle -- Axel Rubach

Shonishin: Japanese Pediatric Acupuncture: Japanese Pediatric Acupuncture --Stephen Birch

Acupuncture Without Needles -- [J. V. Cern](#)

Acupuncture: An Anatomical Approach -- By Houchi Dung, Curtis P. Clogston,Joeming W. Dunn

Sujok for everyone --[Park Jae Woo](#)

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