

SUMANDEEP VIDYAPEETH

(Declared as Deemed to be University under Section 3 of the UGC Act 1956)

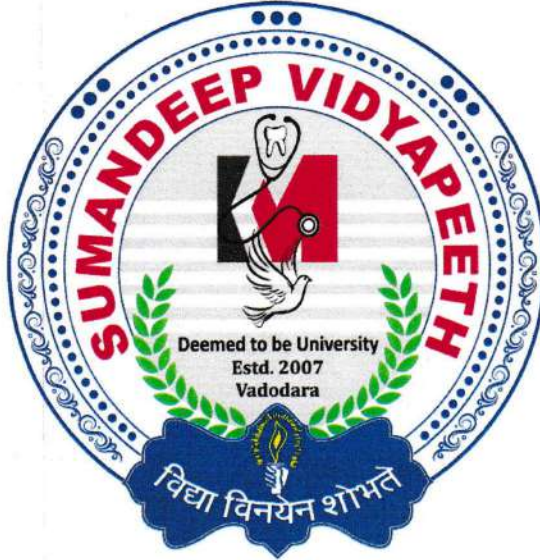
Accredited by NAAC with a CGPA of 3.53 out of four-point scale at 'A' Grade

Category – I deemed to be university under UGC Act - 2018

At & Post Piparia, Tal: Waghodia 391760 (Gujarat) India.

Ph: 02668-245262/64/66, Telefax: 02668-245126,

Website: www.sumandeepvidyapeethdu.edu.in



CURRICULUM

Diploma in PHYSICIAN ASSISTANT

Attested CTC

Sharaney
15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

Vill. Piparia, Taluka: Waghodia.

Dist. Vadodara-391 760. (Gujarat)



Umesh

Shah



AMENDED UP TO DECEMBER -2020

INTRODUCTION

The quality of paramedical care has improved tremendously in the last few decades due to the advances in technology, thus creating fresh challenges in the field of healthcare. It is now widely recognized that health service delivery is a team effort involving both clinicians and non-clinicians, and is not the sole duty of physicians and nurses.¹ Professionals that can competently handle sophisticated machinery and advanced protocols are now in high demand. In fact, diagnosis is now so dependent on technology, that paramedical and healthcare professionals are vital to successful treatment delivery.

Effective delivery of healthcare services depends largely on the nature of education, training and appropriate orientation towards community health of all categories of health personnel, and their capacity to function as an integrated team, with a range of skills and expertise, play key roles within the National Health Service, working autonomously, in multi-professional teams in various settings. All of them are first-contact practitioners and work across a wide range of locations and sectors within acute, primary and community care.

Learning goals and objectives for paramedical professionals

The learning goals and objectives of the undergraduate and graduate education program will be based on the performance expectations. They will be articulated as learning goals (why we teach this) and learning objectives (what the students will learn). Using the framework, students will learn to integrate their knowledge, skills and abilities in a hands-on manner in a professional healthcare setting.

Program outcomes

- To ensure operating room environment is safe and the operative procedure is conducted under conditions that maximize patient safety.
- To prepare professionals to be expert in theory and application of the principles of asepsis and sterile techniques.
- To combine knowledge of human anatomy, surgical procedures and implementation of tools to facilitate a physician's performance of diagnostic procedures.
- Physician's assistant courses cover medical diagnosis, clinical practice and treatment techniques for each system of the body.

Ethics and accountability

Students will understand core concepts of clinical ethics and law so that they may apply these to their practice as healthcare service providers. Program objectives should enable the students to:

- Describe and apply the basic concepts of clinical ethics to actual cases and situations
- Recognize the need to make health care resources available to patients fairly, equitably and without bias, discrimination or undue influence

Attested CTC

Sharan
15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Waghodia,

Dist. Vadodara-391 760. (Gujarat)



- Demonstrate an understanding and application of basic legal concepts to the practice □
Employ professional accountability for the initiation, maintenance and termination of patient-provider relationships
- Demonstrate respect for each patient's individual rights of autonomy, privacy, and confidentiality

Commitment to professional excellence

The student will execute professionalism to reflect in his/her thought and action a range of attributes and characteristics that include technical competence, appearance, image, confidence level, empathy, compassion, understanding, patience, manners, verbal and non-verbal communication, an anti-discriminatory and non-judgmental attitude, and appropriate physical contact to ensure safe, effective and expected delivery of healthcare.

Objective:

Eligibility criteria:

For admission, the applicant must possess any degree in B.Sc. life Sciences/Nursing recognized by any of the Indian universities with a minimum of 60% marks in aggregate, and who has been a regular candidate. Admissions are finalized based on the candidate's merit by the honorable board.

Duration of the course:

Duration of the course is 2 year and 1 year internship

Medium of instruction:

English shall be the medium of instruction for all the subjects of study and for examination of the course.

Attendance

A candidate has to secure minimum 80% attendance in overall with at least-

1. 75% attendance in theoretical
2. 80% in Skills training (practical) for qualifying to appear for the final examination.

No relaxation, whatsoever, will be permissible to this rule under any ground including indisposition etc.

Assessment:

Assessments should be completed by the academic staff, based on the compilation of the student's theoretical & clinical performance throughout the training programme. To achieve this, all assessment forms and feedback should be included and evaluated. Student must attain at least 50% marks in each Theory, Internal assessment and Practical independently / separately for each individual subject.

Attested CTC

Sharan
15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Waghodia,

Dist. Vadodara-391 760. (Gujarat)



COURSE OF INSTRUCTION

Course Name	Course Code	Theory (In hrs.) (Class and lab)	Practical (In hrs.) (Clinical)
First Year - Total Hours 600			
Anatomy	DPA101	60	40
Physiology	DPA102	60	40
Biochemistry	DPA103	60	40
Clinical Microbiology	DPA104	60	40
Pharmacology	DPA105	60	40
Surgery/Equipment/Anaesthesiology	DPA105	60	40
Total		360	240
Second Year - Total Hours 400			
Paediatrics And Geriatrics	DPA201	60	40
Obstetrics And Gynaecology	DPA202	60	40
Cardiology And Cardiac Surgery	DPA203	60	40
Gastroenterology / Orthopaedics	DPA204	60	40
Total		240	160
Internship (Integrated Practice)	Total Hours 1140		

SCHEME OF EXAMINATION

Course	Course Code	Assessment			
		Hours	Internal	External	Total
First Year					
Anatomy	DPA101	3	20	80	100
Physiology	DPA102	3	20	80	100
Biochemistry	DPA103	3	20	80	100
Clinical Microbiology	DPA104	3	20	80	100
Pharmacology	DPA105	3	20	80	100
Surgery/Equipment/Anaesthesiology	DPA105	3	20	80	100
Total			120	480	600
Second Year					
Paediatrics And Geriatrics	DPA201	3	20	80	100
Obstetrics And Gynaecology	DPA202	3	20	80	100
Cardiology And Cardiac Surgery	DPA203	3	20	80	100
Gastroenterology / Orthopaedics	DPA204	3	20	80	100
Total			80	320	400

Attested CTC

Sharan
15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Vaghodia.

Dist. Vadodara-391 760. (Gujarat)



Sr. No	1 st Year DIPLOMA IN PHYSICIAN ASSISTANT		
	Subjects	Content	Topics covered
1.	Human Anatomy and Physiology	Introduction to Human Anatomy	Definitions, planes of the body, organ system, optometry Tissues of the body - epithelium, connective tissue, bone and cartilage. Types of cells and their arrangements
		Digestive system	mouth, oesophagus, stomach, small and large intestine, rectum, anus, liver, spleen, pancreas
		Skeleton system	skull bones, other bones and body joints Muscles - Different types – origin, insertion, functions and nerve supply
		Circulatory System	- heart & blood vessels
		Brain	Parts, protective coverings, cerebrospinal fluid, brain stem, diencephalons, Cerebellum.
		Respiratory System	nose, bronchi, lungs, diaphragm
		Urinary System	– kidneys, urinary bladder, urethra
		Endocrine system	Major endocrine glands
		Reproductive System	Male and female
		Nervous system	Structure of Neuron, Transmission of nerve impulse Organs of Central Nervous system & their functions Peripheral Nervous system

Attested CTC

Sharan

15/2/2021

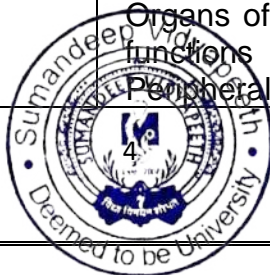
Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Vaghodia.

Dist. Vadodara-391 760. (Gujarat)



			Autonomous system Reflex action
--	--	--	------------------------------------

DPA101 ANATOMY AND PHYSIOLOGY (60 HOURS)

2.	Physiology	Introduction to physiology	Cell structure, body fluid compartments, Homeostasis, transport across cell membrane, neuromuscular junction and muscle contraction
		Blood	Composition and function of blood, erythropoiesis, anaemia, polycythaemia, blood coagulation, plasma proteins, blood groups including Rh
		Cardiovascular system	Conduction of heart beat, cardiac cycle, ECG, cardiac output, arterial blood pressure measurement, heart rate.
		Respiration	Mechanism, lung volume and capacities, transport of oxygen and carbon dioxide, regulation of respiration, artificial respiration
		Digestive system	secretions and functions of salivary glands, gastric glands, pancreas, small intestine, absorption, liver function
		Excretory system	Formation of urine, micturition, normal and abnormal constituents of urine.
		Endocrine system	Major endocrine glands, hypothalamic-pituitary – target gland axis, regulation.
		Reproductive system	Male and female sex hormones, spermatogenesis, menstrual cycle, Integumentary system – functions of skin
		Nervous system	Nerve impulse conduction, synapse, receptors, reflex action, ascending and descending tracts, functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, brain stem., sleep and reticular formation.
		Special senses	Olfaction, gestation, hearing and vision – pathways and applied aspect

Attested CTC

DPA 102 PHYSIOLOGY (60 HOURS)

3.	Biochemistry	Carbohydrates	Glucose, fructose, galactose, lactose,
----	--------------	---------------	--

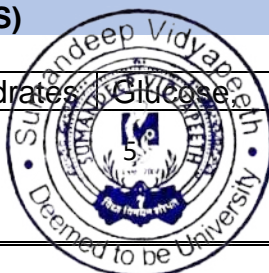
Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Vaghodia.

Dist. Vadodara-391 760. (Gujarat)



			sucrose, starch and glycogen- properties, structure and function
		Proteins	Amino acids, peptides – properties and tests with a few examples
		Lipids	Fatty acids, saturated and unsaturated, cholesterol, phospholipids and plasma membrane, glycerol
		Enzymes	Definition, classification, factors affecting enzyme activity, coenzyme, enzyme inhibition , units of enzyme, isoenzyme and enzyme pattern in diseases
		Vitamins	Fat and water soluble vitamins – requirements and properties
		Minerals	Na, K, Ca, P, Fe, Cu and Se – requirement, availability and property
		Hormones	Receptor concept – insulin, glucagon and thyroxin
		Metabolism in short	Carbohydrate, protein and lipids

DPA 103 BIOCHEMISTRY (60 HOURS)

4.	Clinical Microbiology	Introduction	Types of microorganisms, microbial growth Sterilization and disinfection in the laboratory, control of microbial growth – Antimicrobial method and chemotherapy Microbes versus Humans – disease process, pathogenicity, virulence, immune system
		Bacteriology	Gram positive, gram negative, acid fast bacilli, spirochetes,
		Virology	Classification, rubella, adenovirus, oncogenic viruses (HPV, HBV, EBV, Retroviruses), HIV.
		Fungi	Yeasts, Intracellular parasites / Helminths.

DPA 104 CLINICAL MICROBIOLOGY (60 HOURS)

5.	Pharmacology	Introduction to medical terminology	Roots, prefixes, and suffixes.
		Vocabulary	Genetics, aging, infection, injury

Charan
15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Vaghodia.

Dist. Vadodara-391 760. (Gujarat)



	Problems	
	Skeletal system	Bones and ligaments – disorders, diagnosis and treatment
	Muscular system	– Skeletal, smooth and cardiac muscles – disorders, diagnosis and treatment
	Nervous system	Brain, spinal cord, peripheral nerves, sense organs – disorders, diagnosis and treatment
	Endocrine system	Disorders, Diagnosis and treatment
	Diagnosis includes – blood work, X-ray and imaging Treatment includes – medical and surgical	
	Cardiovascular system	Heart, blood and blood vessels – disorders, diagnosis and treatment
	Respiratory system	Air passages, lungs, diaphragm - disorders, diagnosis and treatment
	Integumentary system	Skin, hair and nails – disorders, diagnosis and treatment
	Immune and lymphatic system	Disorders, diagnosis and treatment
	Diagnosis – blood and imaging Treatment – Medical and surgical	
	Digestive system	Mouth, throat, stomach, intestine, liver, gallbladder, pancreas – disorders, diagnosis and treatment
	Urinary system	Kidneys, ureters, bladder, urethra-disorders, diagnosis and treatment
	Reproductive	Male and female, disorders, diagnosis and

Attested CTC

Sharan
15/2/2021

Vice-Chancellor


Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Waghodia.

Dist. Vadodra-391 760. (Gujarat)



		system	treatment
DPA105- PHARMACOLOGY(60 Hours)			
6.	Surgery/ Equipment/ Anaesthesiology	Introduction	History of surgery, role of surgeon, importance of team work, stresses arising during operative procedure , surgical terminology, types of incision and their indications, internal & external haemorrhage – signs and symptoms, management , Tourniquets – use and duration of application and dangers of use. Sutures and surgical instruments
		Pathogenesis, causes, epidemiology, clinical presentation, investigations and management of diseases of the following systems	Skin – ulcers, wounds, burns, skin infections (boil, carbuncle, abscess, Cysts (epidermoid, dermoid) tumors (basal cell, squamous cell carcinoma and melanoma) Head and neck region – congenital anomalies (cleft lip, cleft palate, bronchial cyst and fistula, thyroglossal cyst), parotid and submandibular glands, oral ulcers, Leukoplakia, Jawtumors, squamous carcinoma of oral cavity, pharynx and larynx. Thyroid and lymph nodes swelling. Arteries – limb ischemia, non-invasive vascular diagnostic tests, atheromatous disease, aneurysm, Raynaud's syndrome, emboli, Veins – Varicose veins, deep vein thrombosis and pulmonary embolism
Attested CTC  15/2/2021		Common equipments /anaesthesiology	Personal cleanliness and aseptic techniques /dressing techniques / wound care Pre-operative and post-

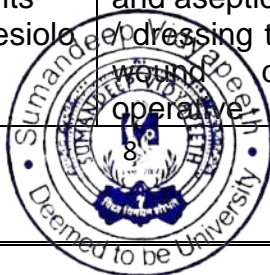
Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Wagholia.

Dist. Vadodara-391 760. (Gujarat)



			operative care of the surgical patient Emergency procedure – endo tracheal intubation, tracheotomy Central line placement, IV cannulation, Ambu bag ventilation, CPR, Basic Life Support.
--	--	--	---

DPA106 SURGERY EQUIPMENT-(60 Hours)

--	--	--	--

Practical

1. Phlebotomy , collection of blood sample and storage
2. Urine collection / analysis / normal and abnormal values significance
3. Biochemical parameters and their normal and abnormal values / significance
4. Cardiac enzymes – significance / tropi
5. Viral markers and their significance
6. Culture methods / techniques / swab etc.
7. CSF / Pleural fluid /Ascetic fluid analysis and their significance
8. Mantoux test and its significance
9. Viral markers /HIV testing – interpretation
10. Pregnancy test
11. Sterile techniques / sterilization of lab
12. Instruments and their importance
13. Microscope
14. Blood counts and ESR
15. Slide preparation/ staining
16. Malarial parasite identification and its test
17. Motion analysis
18. Disposing lab waste materials
19. Entering the data into the computer system
20. Giving a scenario – ask to interpret to the doctor and to the patient

PRACTICALS:(40 HOURS)

2ND YEAR DIPLOMA IN PHYSICIAN ASSISTANT

Each student shall undergo training in Skill Simulation Laboratory for learning certain basic clinical skills like IV/IM injection, setting IV line, Cardio-pulmonary resuscitation (CPR), and Life support skills in the beginning of second year, for duration of continuous four days. (Board of Studies letter No.:FPMS/SV/BOS-MIN/0006/2016-17, dated 19/04/2017, and vide notification of Board of Management resolution Ref.:No. SVDU/R/2017-18/5056, dated 09/01/2018).

Attested CTC

	Paediatrics And Geriatrics	Introduction	Definition, population, morbidity and mortality in children ,maternal , perinatal , neonatal , infant and preschool mortality rates, current
--	-------------------------------	--------------	--

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Wagholia.

Dist. Vadodara-391 760. (Gujarat)



			National Programmes like ICDS, RCH, Vitamin A prophylaxis, UIP, IMCI, Pulse Polio, AFP . ARI. Diarrhoea control programmes.
		Growth and development	<p>Anthropometry – Measurement and interpretation of weight, length/height, head circumference, mid-arm circumference. Use of weighing machines, infant meter, interpretation of Growth</p> <p>Important milestones in infancy and early childhood in areas of gross motor, fine motor, language and personal – social development, psychological and behavioural problems</p> <p>Measurement and interpretation of sitting height, US: LS ratio and arm span</p> <p>Age- independent antropometric measurement – principles and application</p>
		Nutrition	Normal requirements of carbohydrates, protein, fats, minerals and vitamins for newborn, children, pregnant and lactating mother. Common food sources.
		Breast feeding	<p>– colostrum and composition of breast milk, initiation and technique of feeding, hazards and demerits of prelacteal feed, top milk and bottle – feeding. Feeding of LBW babies. Infant feeding /weaning foods, methods of weaning. Assessment of nutritional status of child based on history and physical examination.</p> <p>Characteristics of transitional and mature milk (foremilk and Hind milk)</p>
		Protein energy malnutrition	Definition, classification, features, causes and management.
		Vitamins	etio-pathogenesis, clinical feature, biochemical and radiological findings, differential diagnosis and management of nutritional disorders.
		Obesity Disorders	Definition, causes and management
			respiratory system, gastro intestinal tract, central nervous system, cardiovascular

Attested CTC

Sharan
15/2/2021

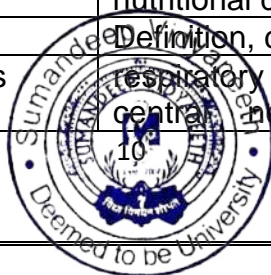
Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Waghodia.

Dist. Vadodara-391 760. (Gujarat)



			system, genitor-urinary system and haematological disorder
		Infectious disease	epidemiology, basic pathology, symptoms, signs, complications, investigations, differential diagnosis, management and prevention of common bacterial, viral and parasitic infections
		Special reference to vaccine	preventable disease – Diarrhoea, LRTI, TB, Polio, meningitis, diphtheria, whooping cough, tetanus, measles, mumps, rubella, typhoid, viral hepatitis, cholera, chicken pox, giardiasis, amoebiasis, intestinal helminthiasis, malaria, dengue fever, AIDs, Kala azar, leprosy, Chlamydia infection.
		Paediatric emergencies	Status epilepticus, status asthmaticus / acute severe asthma, shock and anaphylaxis, burns, hypertensive emergencies, gastrointestinal bleed, comatose child, congestive cardiac failure, acute renal failure.
		Genetics	Principles of inheritance and diagnosis of genetic disorders – Down's syndrome
		Geriatrics	physiological and psychological fundamentals of aging process Diet for the aged and management of nutritional disorders Disorders of major geriatric ailments and management - Medical – infections, dehydration, acute confusional state, osteoporosis, Degenerative joint diseases, effects of immobility – prevention of contracture and bedsores. Economic and psychosocial needs of the aged. Role of various health care providers including family.

DPA201 Paediatrics And Geriatrics (60Hours)

2.	Obstetrics And Gynaecology	Bony pelvis – important land marks of obstetrics significance, fetal skull Physiological changes in pregnancy / menopause Conception, abortions, gestational trophoblastic diseases
----	----------------------------	---

Attested CTC

Sharan
15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Waghodia.

Dist. Vadodara-391 760. (Gujarat)



		<p>Vulva – cyst, inflammation, neoplasia , dystrophy Vagina – cytology, infection, inflammation, neoplasia</p> <p>Uterus –endometriosis, adenomyosis , hyperplasia, atrophy, carcinoma Cervix – erosion, infections, malignancy</p> <p>Infections – STD, genital TB, HIV, TORCH, vertical transmission of HIV</p>
		<p>Obstetrics</p> <p>Diagnosis of pregnancy, antenatal care and fetal surveillance, first trimester bleeding, normal and abnormal presentations and positions, dystocia due to bony pelvis, soft tissue, high risk pregnancies, IUGR, IUD, preterm labour, premature rupture of membranes, poly and oligohydramnios, post-dated delivery,</p> <p>Prolonged labour, obstructed labour, rupture uterus, previous LSCS, third trimester bleeding , preeclampsia and eclampsia , medical disorders complicating pregnancy, surgical emergencies in obstetrics, Rh iso immunization, partogram, ultra sound in obstetrics, fetal monitoring , active management of labour, neonatal resuscitation, analgesia and anaesthesia in obstetrics, instrumental deliveries, LSCS, third stage complications, normal and abnormal puerperium , morbidity and mortality, medical auditing in obstetrics.</p>
		<p>Gynaecology</p> <p>Maldevelopment, injuries, infections, cysts, tumors of female genital tract. Vulva – inflammation, ulcers, atrophy, dystrophies, cysts, neoplasm</p> <p>Vagina ,leucorrhoea, infections, carcinoma</p> <p>Cervix – erosion, ulcer, dysplasia, carcinoma</p> <p>Uterus – prolapse, displacements (inversion and retroversion), endometriosis</p> <p>Abnormal uterine bleeding / post menopausal bleeding, endometrial hyperplasia, benign and malignant tumours.</p>

Attested CTC

Sharan

15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Waghodia.

Dist. Vadodra-391 760. (Gujarat)



			Primary and secondary amenorrhoea, infertility, PCOD, assisted reproductive techniques, choriocarcinoma,
		Urinary system	Stress incontinence, pelvic pain, low back ache Cancer screening for genital malignancy and breast / Pap smear Radiotherapy outline and chemotherapy Neonatology: - Neonatal resuscitation, meconium aspiration syndrome, preterm care, RDS, neonatal jaundice, congenital anomalies, birth injuries.

DPA202 Obstetrics And Gynaecology (60Hours)

3.	Cardiology And Cardiac Surgery	Introduction	Basics – structural basis of cardiovascular disease, embryology, chambers, heart valves, surface marking, great vessels, blood, cardiovascular disease, cardiac cycle, heart sounds, circulation of blood, cardiovascular responses to exercise, heart failure and compensatory mechanism, cardiac muscle action, coronary perfusion.
----	--------------------------------	--------------	---

DPA203 Cardiology And Cardiac Surgery (60Hours)

		Cardiovascular diseases	symptoms and signs, pulse, BP, JVP Congenital heart disease – cyanotic and acyanotic heart diseases Hypertension-essential, malignant, systemic and pulmonary hypertension Arterial diseases – atherosclerosis – risk factors, Burger's disease Coronary, Rheumatic heart disease, heart failure, cardiac arrhythmias, cardiomyopathies Peripheral vascular disease, pulmonary thromboembolism,
--	--	-------------------------	---

Attested CTC

Sharan
15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Waghodia.

Dist. Vadodara-391 760. (Gujarat)



			Systemic diseases affecting the heart, pregnancy and heart disease Pericardial diseases, Cardiac trauma, tumors of heart
		Prevention of heart diseases	Diagnostic tools – ECG, Chest X-ray, ECHO, TMT, Holter, 24 hour ambulatory BP monitoring, blood analysis, etc. Cardiac catheterization and coronary angiography- preparation of patient physically and mentally. Pre and post-operative care and rehabilitation programme. PPI Importance of life style modification measures.
		Cardiac surgery	Basics – Cardiopulmonary bypass – closed and open heart operation, PDA ligation, closed mitral valvotomy, pulmonary artery banding, block trussing shunt, pericardiectomy, shunt operations, ASD and VSD closure, Tetralogy of Fallot correction, valvular disease surgeries, surgery for transpositions, other corrective surgeries and coronary surgeries.
4.	Gastroenterology / Orthopaedics	Clinical gastroenterology	Basics, functions and physiology of defecation Preventive gastroenterology- obesity, GI disorders, constipation, diarrhoea and dysentery Surgical asepsis and hygienic endoscopy room – preparation of sterile field – preparation of tables, equipment, instruments for the procedure, giving oral anaesthetic agent, transfer and positioning of the patient, care of the room before, during and after the endoscopy procedure, special precautions in handling patients with sepsis, blood borne infection – Hepatitis B, HCV, HIV etc, cleaning and disinfection, terminal disinfection, Basic endoscopy unit – forward viewing, single channel and double channel endoscopy and specific instruments used in endoscopic and colonoscopy procedures.
		Orthopaedics	Basics, ossification of bones of the limbs for age determination, X-rays of bones, process of repair of bone. Infections – osteomyelitis, tuberculosis, mycetoma. Metabolic diseases – rickets /osteomalacia,

Attested CTC

Sharan
15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Waghodia.

Dist. Vadodra-391 760. (Gujarat)



		osteoporosis, hyperparathyroidism Tumours- Primary – Osteosarcoma, Osteoclastoma, Ewing's sarcoma, chondrosarcoma and Secondary tumors Arthritis – Rheumatoid, osteo arthritis/ ankylosing spondylitis.
	Fractures	Definition, classification, management, fracture healing, delayed union, open fractures, management of fracture clavicle, shaft of humerus and dislocation of shoulder. Classification of injuries around the elbow and management of supracondylar fracture and dislocation of elbow, Monteggia fracture dislocation and fracture of both bones of forearm, Volkamann's ischemic contracture, fracture lower end of radius, scaphoid and metacarpal fracture. Fracture of pelvis and dislocation of hip, fracture neck of femur, trochanter, shaft of femur tibia, fibula and metatarsal.
		Internal derangements of knee, injuries of ankle and foot, amputations, Congenital malformations – CTEV, torticollis, CDH, pseudo arthrosis Disorders of hip- Coxavara, Perthes disease. Deformities and disorders of the spine Blood transfusion

DPA204 Gastroenterology / Orthopaedics (60Hours)

Practical

Clinical Department
Rotation:

1. Case sheet writing
2. Assessment of communication to the patient
3. BLS (demonstration of basic life support)
4. Ryle's tube, Foley's , colostomy , drains care
5. Anaesthesiology –assisting the anaesthetist and different techniques of anaesthesia
6. Giving a common drug strip and asking questions
7. Giving an ECG strip and asking basic questions
8. ECG taking and interpretation – common cases only
9. LP/ Pleural tapping /ascetic fluid tapping and other common procedures –
providing a scenario and asking questions
10. Normal chest X ray presentation / common abnormal

Attested CTC

Sharan
15/2/2021

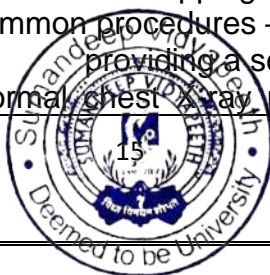
Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Waghodia.

Dist. Vadodara-391 760. (Gujarat)



	<p>pattern</p> <ol style="list-style-type: none"> 11. Normal delivery 12. Neonatal care and resuscitation 13. Obs and Gyn instruments/ sterile techniques / instruments (forceps etc) 14. Importance of PAP Smear /terminal care 15. Preparing the discharge summaries 16. Entry of biochemical values in to the patient's file 17. Assess the communication skills by giving a scenario
PRACTICALS (40 MARKS)	

CODE OF PROFESSIONAL CONDUCT

INTRODUCTION

The Code of Professional Conduct is designed and set out as guidance for the clinical practitioner within the relationship that exists with every patient receiving health care.

Essential to that relationship is the patient's trust in the practitioner. This trust hangs upon the patient's assurance of being the practitioner's first concern during their clinical encounter, and upon the patient's confidence that the care received will be competent, whether in diagnosis, therapy or counseling.

STANDARD OF PRACTICE AND CARE

Patients are entitled to the highest standard of practice and care. The essential elements of this are professional competence, good relationships with patients and colleagues and observance of professional ethical obligations.

In providing care you must therefore:

- Recognize the limits of your professional competence.
- Be willing to consult colleagues
- Keep clear, accurate and contemporaneous patient records which report the relevant findings.
- Keep colleagues informed.
- Pay due regard to the efficacy and the prudent use of resources.
- Be competent, truthful, and accurate, when reporting on investigations.

Attested CTC

Sharan
15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII, Piparia, Taluka: Vaghodia.

Dist. Vadodara-391 760. (Gujarat)



- Be competent when giving or arranging treatment.

Patient's rights

- Listen to patients and respect their views.
- Treat patients politely and considerately.
- Respect patients' privacy and dignity.
- Give information to patients in a way they can understand.
- Respect the right of patients to be fully involved in decisions about their care.
- Respect the right of patients to refuse treatment or to take part in teaching or research, reporting the refusal to the person requesting the procedure.
- Respond to complaints promptly and constructively.
- Ensure that your views about a patient's life style, culture, beliefs, race, colour, sex, sexuality, age, social status, or perceived economic worth, do not prejudice the service you give.

CONFIDENTIALITY

Patients have a right to expect that you will not pass on any personal information which you learn in the course of your professional duties, unless they agree

Attested CTC

Sharaney
15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

Vill. Piparia, Taluka: Waghodia.

Dist. Vadodara-391 760. (Gujarat)

