**SARGODHA MEDICAL COLLEGE SARGODHA**

**DEPARTMENT OF PAEDIATRICS**

Final Year Syllabus

The course outline is as follows:

List of suggested topics for teaching the undergraduates is given below:

**Dr. Kh. Muhammad Arshad:**

* **Cardiovascular System**: Congenital heart diseases [VSD, PDA, TOF, ASD], Rheumatic Fever. Congestive Cardiac Failure, Clinical assessment of a Cyanotic neonate/infant.
* **Nephrology:** Nephrotic syndrome, Urinary Tract Infections, Acute Glomerulonephritis.
* **Endocrinology:** Hypothyroidism, Short stature, Diabetes Mellitus.

**Dr. Rabeya Rehman:**

* **CNS:** Meningitis, Febrile Convulsions, Epilepsy, Cerebral Palsy, mental handicap, Cerebral Malaria, Encephalitis.
* **HAEMATOLOGY & ONCOLOGY**:

Anaemias, Thalassemia, Leukemias, Bleeding Disorders.

* **PSYCHIATRY:** Dyslexia, Attention Deficit Disorder

**Dr. Asima Khanam:**

* **Neonatology:** Resuscitation of new born, Care of normal new born, Birth asphyxia, Premature and low birth weight babies, Neonatal jaundice, Neonatal sepsis, Neonatal fits, Respiratory distress of newborn, Common skin conditions of neonates; Pyloric stenosis, Myelomeningocele, Hydrocephalus, Common congenital abnormalities and Birth trauma.
* **Growth & Development.**
* **Immunization:** Expanded program of immunization (EPI), Newer vaccines.
* **Infectious Disease:** Common Pediatric Infections: Measles, Tetanus, Polio, Diphtheria, Whooping Cough, AIDS, Malaria, Enteric fever, Tuberculosis, Chicken Pox, Common Skin Infections, Diarrheal Disease.

**Dr Jalal ud Din Zafar:**

* **GIT:** Abdominal Pain, Malabsorption, Hepatitis, Cirrhosis, Acute Liver Failure, Diarrhea[Acute/chronic] Dysentery, Worm Infestations, Giardia, Amoebiasis, Rectal Polyp.
* **Respiratory System:** Acute respiratory infections (ARI), Croup, Asthma, Tuberculosis, Pneumonias, Pleural Effusions.
* **Rheumatology:**

**Dr Adeela Aftab:**

* **Malnutrition:** Breast Feeding, Infant Feeding, Weaning & Nutritional Disorders: PEM, Rickets, Vitamin A Deficiency, Iodine Deficiency, Iron Deficiency.
* **Poisoning**: Poisoning, Prevention of Home Accidents.
* **Genetics:** Patterns of Inheritance, Down’s Syndrome

**Dr Suneela Shaukat:**

* Common problems of children in Pakistan and statistics of Pakistani children.
* Clinical methods in Pediatrics.
* IMCI (integrated management of childhood illness).
* Social pediatrics: Right of Child, Child Abuse, Enuresis, Encopresis, Hyperactivity

**SKILLS:**

1. Student will demonstrate his ability to obtain a relevant clinical history from a parent or an older child.
2. Student will demonstrate his ability to perform adequate clinical examination of a child of any age (including newborn).
3. Student will be able to interpret clinical and laboratory data to arrive at a diagnosis.
4. Student will be able to advise appropriate nutritional measures for healthy and sick children (Breast feeding, avoidance of bottle, proper weaning)
5. Student will be able to counsel the parents on health promotive and disease preventive strategies for the child e.g. immunization procedures; hand washing)
6. Student will be able to recognize and manage common health problems of children.
7. Student will recognize the danger signs of disease in children and be able to appropriately refer children with severe disease to appropriate Specialists/hospitals.
8. Student will demonstrate his ability to perform essential clinical Procedures relevant to children e.g.
9. Resuscitation of newborn.
10. Basic cardio-pulmonary resuscitation.
11. Anthropometric measurements.
12. Measuring blood pressure
13. Starting intravenous lines/ draw blood sample
14. Administration of oxygen therapy.
15. Giving nebulizer therapy (bronchodilator).
16. Use of growth chart

**OBSERVE THE FOLLOWING SKILLS:**

* Lumbar puncture
* Bone marrow aspiration
* Supra pubic puncture
* Subdural tap
* Thoracentesis
* Pericardiocentesis
* Liver biopsy
* Renal biopsy
* Observe passing of catheter
* Observe pericardial tap

**RECOMMENDED BOOKS:**

1**. Text book of paediatrics** by Pervaiz Akbar

2. **Essentials of Paediatrics** by Nelson. Latest Edition.

3. **Online Journals and Reading Materials** through HEC Digital LibraryFacility