



# Indian Academy of Pediatrics

Action Plan (18)2019—20

**Dr. Digant D Shastri**

President 2019



# IAP Mission

- Improvement of the health and well being of all children.

# Fulfill the mission through.....





- **Professional Education & Skill Improvement:**

- Promote education and training for the improvement of the knowledge, attitude and skills of members in pediatrics in its widest sense.

- **Support for Pediatricians:**

- Provide a forum for promoting the role and opportunities of pediatricians as the best-equipped professionals for the care of sick children and to maintain the health and well being of all children.



- **Membership Service:**

- Provide services, benefits and recognition to assist and support the members for meeting the needs and challenges inherent in pursuing our missions.

- **Education of Parents and the Public:**

- Provide scientific inputs to the individuals, organizations, institutions and the government and its agencies in the areas of child health.



# Aims & Objectives

- Educational modules specially crafted for practicing pediatricians
- To groom UG/PG because he/she is tomorrow's pediatrician.
- To **strengthen IAP's partnership** with Govt., NGOs like UNICEF and international organizations like IPA, AAP, APPA, RCPCH etc.
- Modules to coach and guide post graduate students in pediatrics
- Publication of books including specialty series
- To push India towards achieving SDG -4

# Professional Education & Improvement

- **Academic modules:**
  - Existing academic modules under action plan 2018-19
  - Gems of old modules with due revision
  - New modules

# Existing modules under action plan 2018-19

1. EPID
2. Practical Vaccinology workshop
3. All about fever
4. Companion
5. United airways (Minirespire)
6. Fever Cough Cold module
7. Mission Kishor Uday
8. Mission Uday
9. COPP





# Gems of old modules with due revision

1. IAP TOUCH ( Multi lingual )
2. IAP RNTCP TB Workshop
3. IAP Golden Hour Management workshop

# New modules.....

1. **TOPP**- training in pediatric protocol ( IAP Protocols)
2. **AMS** -Antimicrobial stewardship
3. **IAP LEID** : Lab evidence of infectious diseases
4. **TRAC** -Test Reports And Clues
5. **STAMP** --- Subspeciality **The Academic Marvel in Pediatrics**

# New modules.....



6. **PIC-NIC** - Paediatric Infection Control in Nursing homes, Intensive cares & Clinics
7. **IAP SPARS** -Standardization of Paediatric practice in Restricted resource Settings
8. Simulation based Bronchoscopy training module
9. Mob, Media & Beyond .....
10. **MEMS** – Medical Emergency Management at School (Child Safety module)

# AMS- Anti Microbial Stewardship

- Antibiotics have transformed the practice of medicine
- The prompt initiation of antibiotics to treat infections has been proven to reduce morbidity and save lives
- 20-50% of all antibiotics prescribed in acute care hospitals are either unnecessary or inappropriate.
- Misuse and overuse of antimicrobials is one of the world's most pressing public health problems.
- Infectious organisms adapt to the antimicrobials designed to kill them, making the drugs ineffective.
- People infected with antimicrobial-resistant organisms are more likely to have longer, more expensive hospital stays, and may be more likely to die as a result of an infection.

# AMS- Anti Microbial Stewardship

Antimicrobial stewardship is a coordinated program that promotes:

- Appropriate use of antimicrobials (including antibiotics),
- Improves patient outcomes,
- Reduces microbial resistance,
- Decreases the spread of infections caused by multidrug-resistant organisms.

# AMS- Anti Microbial Stewardship

- Thematic:
  - Discussion of 4 topics of rational and appropriate use of antibiotics through case based discussions.

# IAP LEID- Lab Evidence of Infectious Diseases

- Infectious disease treatment is still presumptive even though investigational facilities are being more and more available.
- Presumptive therapy results in either over or irrational treatment.
- AB prescribed for viral infections increasing the cost of treatment & also resistance to most of the antimicrobials
- **Rational investigations will save money** and also **halt** the impending disaster of **polymicrobial resistance**

# IAP LEID- Format

1. Dietetic talks
2. Workstations





# IAP LEID-Lab Evidence of Infectious Diseases

- **Basics ( each of 20 minute)**

1. General hematological signs of infection
2. Direct detection of pathogens (without culture)
3. Pathogen detection by culture
4. Antigen detection
5. Antibody detection by serology
6. Nucleic acid tests- multiplex PCR, Bio fire panel
7. Susceptibility testing for bacteria and fungus
8. Collection and transport of specimen

# IAP LEID-Lab Evidence of Infectious Diseases

- **System wise approach (Case based) ( each of 25 minute)**
  1. Rapid tests commonly available :Malaria, Dengue, Tuberculosis, Typhoid, Others
  2. Diagnosis of blood stream infections
  3. Diagnosis of lower respiratory tract infections
  4. Diagnosis of CNS infections
  5. Infections of urinary tract
  6. Diagnosis of gastrointestinal infections
  7. Diagnosis of viral hepatitis

# TRAC-Test Reports And Clues

1. A module designed with aim **to give insight about how to interpret some of the commonly advised investigations**
2. A comprehensive interpretation
3. Practical hands on training of reading the reports and X-ray through 4 workstations each of 35 minutes

# Format

1. Dietetic talks
2. Workstations



# TRAC- Test Reports And Clues

( 1-4 each of 25 minutes, & 4 workstations each of 35 minutes case based discussion for )



1. CBC
2. Haematology
3. Urine & RFT
4. LFT
5. Chest X-ray

- **Workstation 1:**

1. CBC
2. Haematology

- **Workstation 2:**

1. Urine
2. RFT

- **Workstation 3:**

1. LFT

- **Workstation 4:**

1. Chest X-ray



# **STAMP** : Subspeciality The Academic Marvel in Pediatrics

- Pediatric subspecialty is growing fast
- **A general pediatrician is the 1<sup>st</sup> contact person**
- **Rational management will make optimum utilization of resources**
- Evidence based management will not only be helpful in reducing mortality and morbidity but also will be shield for primary care pediatrician in consumer forum



Case based discussion on any 8 out of 15 important topics of day to day practice

Each topic of 30 minutes

1. Approach to sugar disturbances
2. Approach to short stature
3. Approach to child with limping gait
4. Approach to case of convulsions
5. Approach to unconscious child
6. Approach to child with Neuro developmental problems
7. Approach to child with murmur
8. Approach to child with Anemia
9. Approach to child with purpura -
10. Approach to case of Proteinuria
11. Approach to case of haematuria
12. Approach to child with abdominal pain
13. Approach to child with constipation & Vomiting



**PIC-NIC-** Paediatric Infection Control in Nursing homes,  
Intensive cares & Clinics  
(each talk of 25 minutes)



1. Dietetic talks
2. Workstations

# PIC-NIC-Paediatric Infection Control in Nursing homes, Intensive cares & Clinics (each talk of 25 minutes)



1. Basic principles of inf. Control
2. Isolation precautions
3. Specific infections related Infection control methods
4. Infection control in clinics and office practice
5. Infection control protocols in ICU
6. Disinfection & sterilization
7. Hospital waste management
8. Hospital Infection control program
9. Role of paramedic staff in hospital infection control

# IAP SPARS -Standardization of Paediatric practice in Restricted resource Settings



- Paucity of availability of public health care in rural & semi urban set up
- Majority of people turn to the local private health sector as their first choice of care which is bit expensive, often unregulated and variable in quality.
- Key challenges in the resource poor settings include low quality of care, lack of uniformity in private practice, poor accountability, lack of awareness, and limited access to facilities

# Objectives



- To establish standard evidence based protocols-(already we have)
- To sensitize pediatricians to follow them with meticulous discipline
- To strengthen the expertise and skill in clinical diagnosis so that there is least possible dependence on investigations
- To strengthen the expertise and skill in identification of sick children and their timely reference at higher centre.
- To build the confidence in clinical diagnosis without investigations or with minimal investigations



# IAP SPARS - Standardization of Paediatric practice in Restricted resource Settings

( 1-5of 30 minutes & 6a to 6h of 20 min each = Total 330 minutes)

1. "A lost art", History taking and clinical examination- a BOON for clinical diagnosis-
2. Identification and stabilization of sick child-
3. Transport and referral to higher centre-
4. Can I be rational without labs ??-
5. Localization of lesion without neuro-imaging
6. **SOP for practitioners, case based discussion**

# IAP SPARS - Standardization of Paediatric practice in Restricted resource Settings

## 6. SOP for practitioners, case based discussion

1. Fever –
2. Cough and rapid breathing-
3. Diarrheal disorders-
4. Convulsions-
5. Acute abdomen –
6. Poisoning-
7. Animal bites-
8. Trauma-

# Simulation based Bronchoscopy training module

## Objectives

1. Appreciate the scope of Flexible Fiberoptic Bronchoscopy in Pediatric Practice
2. General idea about how to set up a Bronchoscopy suite; and Indications, contra-indications and complications of Bronchoscopy.
3. Concepts about Basic Bronchoscopic procedures and Advanced Interventional Bronchoscopy.
4. Hands-on training (simulators and mannequins) on performing basic Bronchoscopies, Bronchoalveolar lavage, Bronchoscopy-guided intubation, Rigid bronchoscopy and removal of foreign bodies, etc.

# Schedule



- 8.00am - 8.30 am :Registration & Inauguration
- 8.30 am - 9.00 am:Plan for the day +Plan your scopy: Indications, Pre-requisites, Patient selection, Consent, Bronchoscopy suite
- 9.00am – 9.30 am:Know your bronchoscope: Types of bronchoscopes and recording systems, cleaning and disinfection
- 9.30 am – 10.00 am:Abronchoscopist's view of the tracheobronchial tree with clinical correlation
- 10.00am- 10.25 am:Case scenarios: Upper airway
- 10.25 am - 11.00 am: Case scenarios: Lower airway
- 11.00am - 11.10am: Tea



# Schedule



- 11.15am - 12.00noon: Diagnostic Bronchoscopy
- 12.00noon - 12.45pm: Interventional Bronchoscopy
- 12.45pm - 1.00pm: Complications of Bronchoscopy and how to prevent
- 01.00pm - 01.15pm - Clearing of doubts: Delegate participation
- 01.15 pm - 02.00 pm: Lunch
- 02.00pm – 3.30 pm: Workstations ( Break into three groups)
  - Bronchoscopy hands-on, difficult intubation
  - Biopsy / BAL
  - Rigid bronchoscopy
- [3.30.pm](#) - 4.00pm: Delegate participation: Vote of thanks followed by tea



# TIPPS- Training Initiative for Pediatricians in Pediatric Surgery

- Case base discussion of common pediatric surgical conditions
  - When to suspect (Clinical diagnosis)
  - What to investigate?
  - When to refer?
  - **Post operative care**
- Principle of management of pediatric surgical elements manageable in pediatric hospital
- Essentials of pediatric surgical approach ( target general surgeons – in set up where ped. Surgeon not available)

# MEMS- Child Safety module

- At home
- At school
- At public places
- At virtual

## Mob, Media, Beyond.....

- Bed side manners
- Recording keeping : OPD & IPD , Conscent,
- Soft skills
- Communication skills
- Reporting
- Breaking bad news
- Handling critical moments
- Mob
- Media



# Academic Publications:

- **Revision of old IAP publications**
- **New Publications:**



# Revision of old IAP publications

1. IAP Textbook of Pediatrics
2. IAP Textbook of Pediatric Neurology
3. IAP Specialty Series on Pediatric Intensive Care
4. IAP Specialty Series on Pediatric Cardiology
5. IAP Specialty Series on Pediatric Gastroenterology
6. IAP Specialty Series on Pediatric Endocrinology
7. IAP Textbook of Pediatric Radiology
8. IAP Textbook of Vaccines ( 2014)
9. IAP Guide book on immunization:



# New Publications:

1. **IAP textbook of Tropical Pediatrics-** Dr. Raju C Shah , Dr. Piyush Gupta, Dr. S Balasubramanian
2. **IAP Textbook of Adolescence-** Dr. M K C Nair, Dr. C P Bansal, Dr. J S Tuteja
3. **FAQ on Rational Antibiotic Therapy-** Dr. Abhay K Shah, Dr. Parang Mehta, Dr. Jaydeep Choudhary, Dr. Digant D Shastri
4. Clinical Examination in Pediatrics- Dr. Baldev Prajapati
5. **Pearls of Pediatrics** - Dr. Abhay K Shah, Dr. Digant D Shastri

# Support for Pediatricians







# Membership Service

- **IAP for IAPians** (Member's welfare plans)
  - Health Scheme ( group insurance)
  - Central legal cell/ Professional indemnity plan
  - Co-operative purchase of equipments & consumable
  - Corporate tie ups: MM trip, equipment manufacturers

# Consultancy

- Participation with government and non-government agencies for
  - Conceptualization of child health policy
  - Execution of various national programs
  - Participation in developing different treatment protocols
  - ID Surv ( Disease surveillance )
  - Consensus policy statements on various contentious issues

# IAP at Community:



- Parenting for peace
- Basic life support courses for medics & paramedics plus community

# IAP's Patient Education Service

## IAP Palak project :



- Home management guideline for common day to day minor ailments
- Nutrition – diet
- Growth
- Immunization
- Identification of red flag signs
- Management of emergencies at home

# IAP at Community:

- School Health Service Module:
  - Healthy lifestyle guideline
  - Activity based practical life skill education module for adolescent & parents ( 4 different modules)
  - Module for management of emergencies at school
- Gov ki baat IAP ke saath ( adopting village by IAP br)
- Avo Anganwadi chale ( adopting anganwadi by IAP br)

# 1. Introductory module for school and college management

- Indian adolescent health scenario
- Need of an adolescent life skill program
- Outline of the parenting session
- Outline of the teacher training workshop
- Details of the adolescent education program including methodology, topics and number of sessions

## 2. Teacher training module for the teachers' workshop

- Introduction and basis of adolescent life skill education in school
- Discussion and demonstration of 10 generic life skills
- Flag signs for detection of depression, substance abuse, child abuse and learning disability. Immediate counselling steps and referral places for the problems were also included.
- Art and science of discipline
- Pediatric basic life support and first aid for common pediatric emergencies

## 3. Parenting module

- Life skill education: scientific basis and detailed program
- Normal adolescent growth and development
- Positive parenting
- Child protection
- Immunisation



# 4. Adolescent life skill education basic module



S.NO	Topic	No. of sessions	Main Methodology Used
1	Ice breaking and ground rules	1	Interactive talk
2	Self Esteem	2	Brainstorming, games
3	Problem Solving, Decision making, Creative and critical Thinking	4	Brainstorming, role plays, debates
4	Interpersonal skills	2	Brainstorming, roleplays, games
5	Effective communication	2	Role plays, games
6	Coping with stress including suicide prevention	2	Interactive talk
7	Study skills	1	Interactive talk
8	Coping with emotions including anger management	2	Interactive talk, role plays
9	Empathy	1	Interactive talk
10	Nutrition and physical activity	2	Interactive talk, role plays, quiz
11	Personal hygiene	1	Interactive talk
12	Immunisation	1	Interactive talk, quiz
13	Growing up , menstrual issues and sexuality	3	Interactive talk
14	Personal safety: child abuse, drug abuse and traffic rules	3	Interactive talk



# IAP for Global priorities

- NCD – DM, Obesity Dr. Abishek Kulkarni, Dr. Rekha Harish
- Child health & environment- Dr. Remesh Kumar, Dr. Kalpanavar
- Nutrition- Dr. Upendra Kinjawadekar & Dr. ketan Bharadava
- Tuberculosis- Dr. Vijay Yewale & Dr. Varinder Sing

# IAP for Child Advocacy

- Insurance policy to cover neonatal illnesses
- Child friendly city initiative
- Representation to the Government to extend **discount in examinations to children with dyslexia**
- Recommend to the Government to extend the age limit to 18 years in all Govt. Institutions
- **Burden free education** – particularly pre-primary and primary
- Representation to the Government to **restrict access of children to PORNOGRAPHIC content on net**
- Advocating to Govt of India for getting **separate ministry of children** for better focus on activities of child rights, protection and health



# Digital IAP

- Dynamic Website of IAP
- Online courses
- “ UG & PG teaching Module” in the form of CD
- IAP U -tube channel
- Develop mobile/computer applications related to child health
- Disease Registry
- Online activity reporting
- Online selection of faculty for module



# Dynamic Website of IAP

## • **The member section :**

- Facility for self upgrade the database
- Online payment gateway
- Technical blog -
- IAP Guidelines and protocol
- e books/journals
- Online courses

## • **Non member section**

- Parent education section- IAP parent education leaflets
- parents blog ( Our experts to answer Your questions)
- IAP Recommended Immunization Schedule,
- Information about current national campaigns



# Online courses

1. Infectious diseases course
2. Adolescent care
3. Vaccinology

## IAP U Tube

- A closed television educational network that will telecast all scientific talks.
- It will speak to the mother & child on topics such as maternal and child health, nutrition, hygiene, women empowerment etc.



## UG & PG oriented programs

- UG & PG teaching Module” in the form of CD
- TIPS – Training In Practical Skills (2 days Course)
- Art & science of paper writing
- Training in research and methodology
- IAP research scholarship for UG
- **COLLEGE OF IAP- UNIFORMITY AND TRANSPERANCY**



# IAP & Research

1. To allot budget to sponsor **one original research every year.**  
Selection process: Invite proposals **from our pediatricians.**  
Selection of the project by a panel consisting of experts in the subject concerned, methodologists and statisticians.
2. IAP research scholarship for UG
3. Research methodology module & workshop

# One Day Research Methodology Workshop

Topic	Time
Objectives of Workshop and Importance of Research for Progress	0900-0930
Choosing the right topic and Searching the literature	0930 to 1030
Study Designs and Types of Research	1030 to 1130
Tea	1130 to 1145
Designing a Study Protocol (Methods including PICO details, sample size and plan for statistical analysis)	1145 to 1300
Lunch	1300 to 1400
Basic Statistics: Types of variables, measures of central tendency and dispersion, tests of significance	1400 to 1500
Data entry and Data analysis in Excel	1500 to 1600
Introduction to statistical softwares	1600 to 1630
Ethics in Research	1630 to 1700
Feedback and Certification	1700 onwards

# Quality improvement in pediatric care





# International tie ups of IAP

- BID for holding next IPA Meeting of year 2023 at India.
- Partnership with AAP , PEDIA EGYPT & Turkey Paediatric Association
- Activities in collaboration with APPA & SAPA

# Administration

- To develop SOP of IAP functioning- rule book
- E- meetings/ tele conferencing/FB conferencing (10.00PM onwards)
  - Twice a month teleconference meeting of OB ( 1<sup>st</sup> and 3<sup>rd</sup> Wednesday)
  - Once a month teleconference meeting of EB ( 3<sup>rd</sup> Thursday )

The background of the slide is a photograph of the Aurora Borealis (Northern Lights) over a dark, mountainous landscape. The aurora displays vibrant green and blue-green hues against a dark, starry night sky. The mountains in the foreground are silhouetted against the glowing light.

**Stay focused, go after your  
dreams and keep moving  
toward your goals.**

LL Cool J