



MEDICAL APOGEE

VOLUME-1

## Biannual official Newsletter

SBKS MI&RC ,SUMANDEEP VIDYAPEETH

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## Message from the Dean's Desk

Medical education is the foundation upon which the future of healthcare is built.

Smt.B.K.Shah Medical college And Research Centre (SBKS MI&RC) is dedicated to fostering a culture of academic excellence, innovative research and compassionate healthcare. We aim to equip our students with the knowledge, skills and values necessary to excel in medical field. We at Smt.B.K.Shah Medical college And Research Centre (SBKS MI&RC) are ready to embrace the opportunities that lie ahead and develop a strong foundation in the clinical skills and cultivate empathy and understanding for our patients.



## Message from the Chief Editor

It gives me immense pleasure to write editorial for this newsletter. SBKS MI & RC journal with a vision to promote best medical teaching and care of patient, hope that this newsletter fulfill the purpose to inform, engage and inspire the diverse readership and help in expanding the horizon of knowledge

## **DEPARTMENT OF MICROBIOLOGY**



The Department of Microbiology conducted a CME on 'Zoonosis: Human Animal interface, impact and control'.

## DEPARTMENT OF OPHTHALMOLOGY



Dr. Tirtha Patel, a second year resident from the Department of Ophthalmology presented a poster on 'Fungal Keratitis Secondary to Contact Lens Overwear in an Immunocompromised Patient' under the guidance of Dr. Punit Singh (Professor).



The third year residents, Dr. Jaini Shah, Dr. Vishwa Hadvani, Dr. Astha Domadiya, Dr. Jash Bavishi presented both paper and posters at the AGOC 2023 conducted in Ahmedabad in October.



## **DEPARTMENT OF RESPIRATORY MEDICINE**

A National Symposium was conducted on Advanced Course on Diagnosis of Allergy & Immunotherapy and Hands on Training in which scientific lectures were conducted by National and International Speakers and Hands on work was given to the delegates by the faculty. Dr. Arti Shah, Dr. Bhavesh Patel, Dr. Chirag Chakravarti, Dr. Pendakur Anand, Dr. D.M.Tripathi, Dr Mansukh shah, Dr. Bakul Javedkar , Dr Dinesh Chauhan were some of the dignitaries that attended the Symposium.

Dr. Arti D Shah welcomed all the dignitaries and participants, emphasized on the importance of allergic disease awareness. Dr. Pendakur Anand, Dr. D.M.Tripathi, spoke on Allergic Diseases: their origin and management, immunotherapy, asthma. They delivered lectures which also included their personal experiences with patients and an insight into patients' problems. Various clinical scenarios were also discussed with audience participation. Proper technique of skin prick test was taught by expert guests and audiences were given hands on for the same.

A Book on Allergy by Dr. Anand Pendakur was launched.

The sessions extensively covered the various topics such as anemophilous plants causing pollen allergy, live demonstration of molds in petri dish along with microscopic images of allergic pollen and molds, live demonstrations of house dust mites, insect allergens, diagnosis of allergy, SPT For diagnosis of allergy on each participants' skin along with the practice of reading and grading of SPT, maintenance of permanent records, ethics of reporting to the patients and to the referral doctor, immunotherapy for allergic diseases both SCIT (Subcutaneous Immunotherapy) and SLIT (Sublingual Immunotherapy), live demonstrations and hands on training of patch test, yoga therapy in allergy and asthma along with a field survey on antigen and plant identification in Vadodara with expert faculties.

## **DEPARTMENT OF ANAESTHESIOLOGY**



The Department of Anaesthesiology conducted a CME on Compression Only Life Support (COLS) at the SBKS, Auditorium.



## DEPARTMENT OF GENERAL SURGERY

### Patent vitellointestinal duct as paraumbilical abscess-a rare condition

Author- Dr Nidhi M Jain(1<sup>st</sup> year Resident) General Surgery

Co-author- Dr. Vipul Gurjar(Professor&HOD), Dr. R P Bharaney(Professor&VC),

Dr. Honeyal sinh(Professor)

Dr. Gurnihal (R3),Dr Aarathi (R3)

Dept. Of General Surgery,Sumandeep Vidyapeeth, Dhiraj Hospital, Vadodara

#### Abstract

**INTRODUCTION:** Umbilical and paraumbilical abscess can occur in patient with presenting complaint of discharge from umbilical region. However, patent vitello intestinal duct presenting as paraumbilical abscess is rare phenomenon.we present you a case of 18 year old male patient presented with complain of Discharge from umbilical region since birth . USG of umbilical region suggested urachal sinus tract. Preoperative radiological findings(USG) differed from operative findings.

#### Case report

A 18 year old male patient was admitted in male surgery ward at Dhiraj hospital with complaint of umbilical discharge since birth .It was associated with pain and itching in umbilical region,increased since last 1 year as he started heavy weight lifting work.He was born at full term with normal vaginal delivery.On examination there was a swelling in paraumbilical region of size 1x2 cm with redness, increase local temperature and seropurulent discharge from umbilicus was seen.On palpation mild tenderness in umbilical region and guarding was present.USG suggested of Urachal sinus Tract.Exploratory laprotomywasdone.A fistulous tract communicating ileum to umbilicus was seen and intra OT diagnosis was confirmed as patentvitellointestinalduct(Fig:1,2).Meckel's diverticulum along with sinus tract excision and resection and anastomosis (Fig:3) was done



**DISCUSSION:** Patent Vitellointestinal Duct as abscess is rare presentation but it should be considered as a differential diagnosis of discharging umbilicus as management of abscess and patent duct are different.In this patient findings were different while operating the patient and it turned out to be patent vitellointestinal duct.Umbilical disorders can result from failure of an embryologic process. Incidence of patent vitellointestinal duct (omphalomesenteric duct) varies from 1 in 5000-8000(1) .Vitellointestinal duct appearing in the beginning of embryonic life as a long tubular structure, connects the midgut to the yolk sac. It regresses during fifth to ninth week of fetal development(2).If the lumen does not completely obliterate, it can result in patent vitellointestinal duct. Meckel's diverticulum is the most common anomaly among the persistence of the duct while patent vitellointestinal duct is the rarest .(3)



Fig :1

The lumen of the urachus usually obliterates into a thin fibrous cord by birth, but its failure results in patent urachus in which the entire tract is intact . It presents as umbilical discharge which may be serous or serosanguinous. It may also present as an umbilical granuloma. Exploratory laparotomy with excision of the tract should be carried out. Usually these cases are detected within few weeks of life as seen in the literature available, but in our patient it was detected at an age of 18 year.(5-7)

Meckel's diverticulum is the most common form due to partial obliteration of the VID.



Fig:2

- Rule of 2:**
- ✓ 2% of the population,
  - ✓ within 2 feet of the ileocecal valve,
  - ✓ 2 inches in length,
  - ✓ 2 types of heterotopic Mucosa
  - ✓ presentation before the age of 2

**CONCLUSION:** Patent vitellointestinal duct can present as paraumbilical abscess, and it should be kept in differential diagnosis specifically in children.Findings missed in radiological investigation should be ruled out intra OT.

Keywords: Patent vitellointestinal duct, paraumbilical abscess, Meckel's diverticulum, intraoperative findings, differential diagnosis, management.

Dr. Nidhi M Jain, a First Year Resident from the Department of General Surgery presented the above poster on 'Patent Vitello-Intestinal Duct as a Para-umbilical Abscess: A Rare Condition'.



## A RARE CASE OF RECURRENT DERMATOFIBROSARCOMA PROTUBERANS IN THE LOWER EXTREMITY

Presenter- Dr. Utkarsh Sharma  
(General Surgery R2)  
Under guidance -- Dr. Ohang chudhari  
( Professor)  
SBKS ,Wahodiya

### CASE CAPSULE :

- 50 year old male
- Several year history of pain and dark colour swelling of size 5\*5 cm over medial aspect of left foot
- Patient had 2 previous excisions for swelling over same region 9 and 5 year back

### On examination:

- 5\*5 cm swelling
- Medial aspect of left foot
- Tender
- Dark foul smelling



### INVESTIGATION :

- FNAC suggestive of haemorrhagic aspirate.
- CT left ankle study soft tissue mass of size 5.1\*5.1\*4.4 cm is seen in medial aspect of left ankle.
- USG abdomen pelvis WNL
- XRAY chest WNL
- Histopathology report suggestive of dermatofibrosarcoma protuberance.

### Surgery :

- Excision and local flap placement
- Clear margin in excision of 1 cm
- Sural flap placed in this case over the excised site



### DISCUSSION

- Dermatofibrosarcoma protuberans is uncommon but represent most common dermal sarcoma.
- Incidence 4.2 case per million
- More common in 3-5 decades of life , female>Male
- Cytogenetic studies are helpful as ring chromosome 17;22 translocation invariably present.
- Local recurrence of ordinary dfp is vary from 15 to 60%
- Metastasis is rare to lymph node and internal organs.

Dr. Utkarsh Sharma, a second year resident of the Department of general Surgery presented the above posted on 'A Rare Case of Recurrent Case of Dermatofibrosarcoma Protuberans in the Lower Extremity'.

## **DEPARTMENT OF PATHOLOGY**



GAPM 2023, 42nd Annual Conference, the Department of Pathology conducted a workshop on 'Gel Based Blood Grouping & Cross Matching' which was attended by all the residents.



The entire department showed an enthusiastic attendance and also did poster presentations.