



Gastrointestinal Infection Society of India (GISI)

Department of Gastroenterology (Microbiology Division)

Postgraduate Institute of Medical Education and Research, Chandigarh – 160012, INDIA

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GISI NEWSLETTER JANURARY 2015

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Editorial board and members of GISI wishes you a very

Happy New Year 2015



Gastrointestinal Infection Society of India

NEWSLETTER

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Probiotics and gastrointestinal infections

Gastrointestinal infections are a major cause of morbidity and mortality worldwide, particularly in developing countries. The concept of using probiotic microorganisms to prevent and treat a variety of human ailments has been around for more than 100 years. The use of probiotics to prevent and treat a variety of diarrheal diseases has gained favor in recent years. This is in part due to a need to find alternatives to traditional therapies such as antibiotics as well as the lack of good treatments for GI ailments. With the rise in the number of multidrug resistant pathogens and the recognition of the role that the human microbiota plays in health and disease, a recent expansion in the interest in probiotics has been generated. Within the microbiota, individual bacteria containing important genes may benefit the host in different ways. As one considers the vast community of commensal microbes, subsets of these organisms may have important physiologic benefits for the host in the context of human nutrition and host:microbe interactions.

Probiotics may stimulate immunity, regulate immune signaling pathways, produce antipathogenic factors, or induce the host to produce antipathogenic factors. Many probiotics have been shown to produce antipathogenic compounds ranging from small molecules to bioactive antimicrobial peptides. In addition to producing antimicrobial compounds that act directly on pathogens, probiotics may stimulate host antimicrobial defense pathways. Probiotics may also stimulate the host's immune function and mucosal barrier integrity. By working via different mechanisms of probiosis, probiotics may yield effects at different steps in the process. Probiotics may prevent disease from occurring when administered prophylactically and may also suppress or diminish severity or duration of disease in the context of treatment.

As our knowledge of the human microbiome advances, rational selection of probiotics based on known mechanisms of action and mechanisms of disease will facilitate optimization of strategies in therapeutic microbiology. Ultimately, we expect that probiotics will help to promote stable, diverse, and beneficial microbial communities that enhance human health and prevent disease.

ACHIEVEMENTS OF GISI MEMBERS

MICROCON-2014, Jaipur. Many of the GISI members attended the conference and were pro-actively involved in the organization and the conduction of the event.

1. Dr. MB Nagamoti, Secretary IAMM was the coordinator for Junior best paper awards session and IAMM Student Symposium during MICROCON-2014 held at Jaipur.
2. Dr. Arti Kapil, AIIMS, New Delhi delivered twin talks on “The current susceptibility pattern of Gram-positive cocci in India: a preliminary experience from a multicenter study” and “Lessons learnt international experience and present evidence on antibiotic stewardship.”
3. Dr. Pallab Ray, PGIMER, Chandigarh gave a talk on “ICMR Antimicrobial resistance surveillance network: lessons learnt and the way forward”.
4. Dr. Vikas Gautam, PGIMER, Chandigarh gave a talk on “Best practice to enhance sepsis recovery”.
5. Dr. Rama Chaudhary, AIIMS, New Delhi gave a talk on “A metagenomic approach to human gut microbial in health and disease”.
6. Dr. Rama Chaudhary, Dr. Jyoti M Nagamoti and Dr. Beena Antony participated in a symposium on anaerobic infections – Children of lesser God.

Prof. Chetana Vaishnavi, Department of Gastroenterology (Microbiology Division), Chandigarh

1. Chaired a scientific session at the Annual Conference of Indian Association of Medical Microbiologists held on 19th October, 2014 at Jaipur.
2. Chaired a scientific session at the 46th National Annual Conference of Nutrition Society of India in Dayanand Medical College & Hospital, Ludhiana.
3. She, along with her students, Mrs. Meenakshi Singh and Mr. Prashant Kapoor, submitted 73 nucleotide sequences to the National Center for Biotechnology Information, USA (Accession nos. KP182924 – 28; KP198519 – 212177).

Dr. K. K. Prasad, Additional Professor & Chief, Division of GE Histopathology, Department of Superspeciality of Gastroenterology, PGIMER, Chandigarh

1. Participated in AAPIAP & Surgical Pathology Update 2014 at Colombo, Sri Lanka in August 2014
2. Delivered the Dr. R. N. Ghosh Memorial CME on "Celiac disease" for the year 2014 of the 22nd Indian Association of Pathologists and Microbiologists West Bengal Chapter Conference at Kolkata in September 2014
3. Participated and presented a paper in GASTRO 2014 at Buenos Aires, Argentina in October 2014

4. Delivered invited talk on Inflammatory bowel disease in 2nd SACH & 3rd International CMC-Path-CME on Cytopathology & Histopathology at Cox Bazar, Bangladesh in October-November 2014
5. Participated and presented a paper in APDW 2014 at Bali, Indonesia in November 2014
6. Invited to visit Department of Pathology at University of Malaya at Kuala Lumpur, Malaysia to deliver lectures and slide seminar for the “Continuing Professional Development Programme” in November 2014.

ANNOUNCEMENTS

1. **GISICON 2015 will be organized by the Dept. of Microbiology in association with Dept. of Medicine, Govt. Medical College, Jammu tentatively in Oct 2015.**
2. Bidding for GISICON 2017, 2019 and 2021 are invited from all the GISI members and shall be accepted on first-come first-served basis.
3. Life Membership fees of GISI are INR 3000.00 payable by bank draft or cheque at par in favour of “Gastrointestinal Infection Society of India” payable at Chandigarh, INDIA.
4. Articles for **Journal of Gastrointestinal Infections** should be submitted as soft copy to the Editor, GISI. Instructions to authors are available under GISI Journal action link.
5. All GISI members are requested to pass on any news that they desire to be published in the newsletter. This will include information of awards received, fellowships obtained or travel abroad for academic purposes and any other information that may be of interest to the members.
6. Indian Life Members desirous of receiving Certificate of Membership may send a Demand Draft of INR 250.00 in advance. Foreign Members may send USD 25.00 in favour of ‘Gastrointestinal Infection Society of India’, payable at Chandigarh, addressed to Prof. C. Vaishnavi, Dept. of Gastroenterology, Postgraduate Institute of Medical Education and Research, Chandigarh-160012, India. Kindly quote your Life Membership No. along with the request.

CONTACT US

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MEMBERSHIP FORM

Note: GISI Life Membership is open to Clinical Microbiologists/Gastroenterologists/Clinicians and Health Care Workers involved in the specialty of gastrointestinal infections.

PERSONAL INFORMATION <i>(Please type or print clearly in capital letters)</i>			
1	Full Name (Prof/Dr/Mr/Ms/Mrs)	First:	Middle: Last:
2	Date of Birth (DD/MM/YYYY)		
3	Qualification	University:	
	Designation		
4	Official Address	State:	PIN: Country:
5	Residential Address	House No:	
		Area/Locality:	
		City/Town:	
		State:	PIN: Country:
6	Telephone (with STD code)	Office:	Residence:
7	Fax (with STD code)		
8	Mobile		
9	E-mail		

REGISTRATION FEE DETAILS		
1	Life Membership Fee	1. Individuals (India): INR 3000.00 2. Individuals (Foreign): USD 200.00 3. Institutions: INR 3000.00 4. Patrons: INR 20,000.00 and above
2	Payment Details	Cheque/Demand draft (select one) Cheque/Draft No.
		Bank details: Dated:
		Amount: Cheques/Demand draft should be drawn in favour of "Gastrointestinal Infection Society of India" payable at Chandigarh.
3	Declaration	I declare that the information given by me is true and correct and that I will abide by the association rules and regulations if my membership application is approved.
4	Date	Signature:
5	Place	

OFFICE USE ONLY		
1	Date received	
2	Membership No.	
3	Demand draft No.	Date:
4	Receipt No.	Date:
5	Verified by	Name: Signature:

Membership form and the cheque/draft should be mailed to Dr. Chetana Vaishnavi, Professor, Division of Microbiology, Department of Gastroenterology, PGIMER, Chandigarh. Mobile No. 09417002682, E-mail: c.vaishnavi@rediffmail.com