

**ESPGHAN**European Society for Paediatric
Gastroenterology, Hepatology and NutritionRue De-Candolle 16
1205 Genève, Switzerland
www.espghan.org**Working Group - Report for Gastroenterology Committee Strategy Day****Working Group Title: Neurogastroenterology, Motility and Functional Gastrointestinal Disorders WG**

(date of completion 30/8/.2021;Silvia Salvatore)

Working Group Members and Mandates

Name	Date of entry	1 st Term	2 nd Term	Positions held within WG (e.g. Secretary treasurer etc.)	Dates held of these positions
Silvia Salvatore	2017-renew 2020			Chair	
Osvaldo Borrelli				Co-chair	
Michiel Van Wijk				Co-chair	
Annamaria Staiano				Steering Committee	
Yvan Vandenplas				Steering Committee	
Marc Benninga				Steering Committee	
Nikhil Thapar				Steering Committee	

Other members/participants

Name	Date of entry	1 st Term	2 nd Term	Positions held within WG (e.g. Secretary treasurer etc.)	Dates held of these positions
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Silvia	Salvatore				
Michèle	Scaillon				
Elena	Scarpato				
Raanan	Shamir				
Shishu	Sharma				
Ari	Silbermintz				
Maartije	Singendonk				
Annamaria	Staiano				
Nina	Steutel				
Caterina	Strisciuglio				
Hania	Szajewska				
Merit	Tabbers				
Renato	Tambucci				
Monica	Taulois				
Nikhil	Thapar				
Filippo	Torroni				
Vaidotas	Urbanos				
Saskia	Vande Velde				
Marinde	van Lennep				
Gigi	Veereman				
Mario	Viera				
Letizia	Zenzeri				
Tobias	Wenzl				
Tsili	Zangen				
Judith	Zeevenhooven				

Summary of Activities in 2021

A. WG meetings (date and any main points/activities)

Meeting	ESPGHAN WG
Location	Online – Go To Meeting
Date	9/6/2021
Main Points / Activities	<p>Summary on the SIG/WG activities, collaborations & publications</p> <p>After a brief welcome and introduction we discussed about:</p> <p>1. CONSENSUS ON ESOPHAGEAL ACHALASIA FREDERIC GOTTRAND & ERNICA GROUP.</p> <p>A Joint Consensus between ESPGHAN and ERNICA on Esophageal Achalasia has been proposed, due to the lack of consensus statements on this topic. The project has been approved by the ESPGHAN Council. Paper will be published on JPGN, should be finished in October 2022.</p> <p>2. COLLABORATION AND PEDIATRIC SIG/WG TASKS FOR EUROPEAN GASTROINTESTINAL MOTILITY HUB (EUGIM-HUB).</p> <p>- Two papers on breath tests have involved some members on behalf of the WG and</p>

were submitted to the United European Gastroenterology (UEG) Journal:

3. REVIEW/POSITION PAPERS FINALIZING by some members of the WG:

Motility investigation tests for GI motility disorders

- Anorectal motility tests – submitted
- Colonic investigations –to be submitted
- Esophageal tests – final draft (should be ready by September 2021)
- Gastric tests – final draft

4. PRESENTATIONS HELD DURING THE WORLD CONGRESS

- Caterina Strisciuglio: *Diet and Functional Gastrointestinal Disorders (FGIDs) in children and adolescents in the Mediterranean countries: an ESPGHAN multicenter study*
Caterina Strisciuglio summarized the results presented during the Congress. Final draft ongoing.

- Elisa Blasi: *Prevalence of non-erosive reflux disease subtypes (NERD, FH, RH) in children: a European multicenter study*

Licia Pensabene summarized the results presented during the Congress. The analysis of the data has been completed. Licia is writing the first draft of the manuscript.

5. NEW PROPOSALS

- Licia Pensabene - Prevalence of non-erosive reflux disease subtypes (NERD, FH, RH) in children: multicenter prospective study. Protocol will be sent to all the members.
- Marcin Banasiuk - Standard protocol of manometry and report of the results
- Marcin Banasiuk – review on diversity of manometric methods in literature
- Marcin Banasiuk - new classification of defecation dynamics in children
Collaboration for protocol of these studies is needed.
- Roberto Berni Canani - Consensus on food protein induced motility disorders (FPIMD) .
Collaboration with the ESPGHAN Nutrition and EAACI to be considered
- Elena Scarpato – Survey on the use of blended diets in children with gastrostomy.

ONGOING STUDIES / RESEARCH PROJECTS:

6. SWALLOW GATEWAY NETWORK and web platform for online database and analysis of high resolution manometry tracings.

Michiel Van Wijk and Nathalie Rommel highlighted the importance of sharing the data, learning to use the system and understanding characteristics of pediatric motility disorders. Michiel Van Wijk updated on the project advances and clarified that it is possible to share data with all the participants or only to some of the participants. Instructions for using the platform will be sent. Regarding privacy issues, individual patients or physician's data can be excluded to avoid identification, even if the platform is used as a database to store data. There is also the option to transfer the data and then drop off, in order to use the platform only as a diagnostic tool. Michiel will send a model of informed consent to allow collection of data.

7. MANAGEMENT OF PEDIATRIC ACHALASIA: TREATMENT COMPARATIVE STUDY (ENDOSCOPIC BALLOON DILATION VS. PERORAL ENDOSCOPIC MYOTOMY)

Michiel van Wijk updated on the protocol. AMC Ethical Committee approval obtained. The study will be interventional and randomized.

8. SURVEY ON THE USE OF PPIs FOR GERD IN INFANTS AND CHILDREN

- Silvia Salvatore updated the project. The survey has been sent with the ESPGHAN newsletter since March. Deadline postponed to the end of July 2021.

A translation in the local language and national Survey has also been proposed to collect the data from the different Pediatric National Societies and to collect International data. Collaboration for the dissemination of the Survey and analysis of the data is needed.

9. SURVEY ON THE MANAGEMENT OF IBS IN ADULT PATIENTS. DIFFERENCES IN IBS CARE AND TRAINING ACROSS EUROPE.

Silvia Salvatore has been contacted by Radislav Nakov (*President of Bulgarian Society of Neurogastroenterology and Motility, UEG Equality & Diversity Task Force Member, ESNM Steering Committee Member*) who created a Survey, as a new initiative by ESNM, on Differences in IBS Care and Training across Europe (DICE Study). Silvia Salvatore proposed to Radislav and the ESPGHAN WG to adapt the questionnaire for pediatric IBS to explore the variations in IBS training and management in pediatric patients across Europe and to compare the adult and pediatric approach. ESNM agrees to collaborate with the WG for a

	<p>Pediatric DICE Study. Elena Scarpato agrees to collaborate for the WG.</p> <p>10. FUNCTIONAL GI DISORDERS ADVICE GUIDES AND VIDEOS Silvia Salvatore proposed to prepare advice videos (for professionals and parents) on management of infants and children with FGIDs. Videos could be prepared in collaboration with the Education Committee (to be contacted) and Young ESPGHAN. Young ESPGHAN agrees to collaborate to this project. Collaboration from the WG members is needed.</p> <p>11. GER AND SLEEP PROBLEMS - proposed by Silvia Salvatore a. Systematic Review on GER(D) and sleep problems in infants and children b. Prospective data collection on infants and children submitted to MII-pH or Endoscopy for sleep problems as referral symptom</p>

B. Educational activities

(i) Educational Events

/

(ii) E-Learning

Full Project Name	SWALLOW GATEWAY NETWORK and web platform for online database and analysis of high resolution manometry tracings.
Project Timeline	
Project Leader	Taher Omari, Michiel Van Wijk and Nathalie Rommel

C. WG Publications / Guidelines / Position Papers

(i) Completed

Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	"European Guideline on indications, performance and clinical impact of hydrogen and methane breath tests in adult and pediatric patients: EAGEN, ESNM and ESPGHAN consensus."
Authors	Hammer HF, Fox MR, Keller J, Salvatore S, Basilisco G, Hammer J, Lopetuso L, Benninga M, Borrelli O, Dumitrascu D, Hauser B, Herszenyi L, Nakov R, Pohl D, Thapar N, Sonyi M; European H2-CH4-breath test group.
Publication Type	<input type="checkbox"/> Guideline <input checked="" type="checkbox"/> Position Paper <input type="checkbox"/> Update of existing paper Other
Journal, Year, Volume, Page Numbers	United European Gastroenterol J. 2021 Aug 25. doi: 10.1002/ueg2.12133. Epub ahead of print. PMID: 34431620.
More information if available	



Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	"European Guideline on indications, performance and clinical impact of 13C-breath tests in adult and pediatric patients: An EAGEN, ESNM and ESPGHAN consensus, supported by EPC".
Authors	Keller J, Hammer HF, Afolabi PR, Benninga M, Borrelli O, Dominguez-Munoz E, Dumitrascu D, Goetze O, Haas SL, Hauser B, Pohl D, Salvatore S, Sonyi M, Thapar N, Verbeke K, Fox MR; European 13C-breath test group.
Publication Type	<input type="checkbox"/> Guideline X Position Paper <input type="checkbox"/> Update of existing paper Other
Journal, Year, Volume, Page Numbers	United European Gastroenterol J. 2021 Jun;9(5):598-625. doi: 10.1002/ueg2.12099. Epub 2021 Jun 14. PMID: 34128346; PMCID: PMC8259225
More information if available	

(ii) in progress

Full Publication Title	<i>Diet and Functional Gastrointestinal Disorders (FGIDs) in children and adolescents in the Mediterranean countries: an ESPGHAN multicenter study</i>			
Publication Timeline and Status of Application for Paper	2021 Final draft			
Publication Leader	Caterina Strisciuglio			
Publication Type	<input type="checkbox"/> Guideline	<input type="checkbox"/> Position Paper	<input type="checkbox"/> Update of existing paper	X Other
More information if available				

Full Publication Title	Pediatric anorectal function tests			
Publication Timeline and Status of Application for Paper	Final draft – to be submitted			
Publication Leaders	Benninga M – Thapar N , Caterina Strisciuglio, Marcin Banasiuk + Steering Committee WG			
Publication Type	<input type="checkbox"/> Guideline	<input type="checkbox"/> Position Paper	<input type="checkbox"/> Update of existing paper	X Other
More information if available	This will be the first of a series on motility function tests			
Full Publication Title	Pediatric gastric function tests			
Publication Timeline and Status of Application for Paper	Final Draft			
Publication Leaders	Vandenplas Y – Borrelli O, Hauser B, Scarpato E, Saliakellis E, + Steering Committee WG			
Publication Type	<input type="checkbox"/> Guideline	X Position Paper	<input type="checkbox"/> Update of existing paper	Other
More information if available				

Full Publication Title	Pediatric esophageal function tests			
Publication Timeline and Status of Paper	Final Draft			
Publication Leaders	Van Wijk M, Salvatore S, Kornilia Nikaki, Martije Singendonk, + Steering Committee WG			
Publication Type	<input type="checkbox"/> Guideline	X Position Paper	<input type="checkbox"/> Update of existing paper	Other
More information if available				



Full Publication Title	Pediatric small bowel and large bowel function tests			
Publication Timeline and Status of Application for Paper	Preliminary draft to be completed			
Publication Leaders	Thapar N , Staiano A, Massimo Martinelli, Dao Atchariya + Steering Committee WG			
Publication Type	<input type="checkbox"/> Guideline	X	Position Paper	<input type="checkbox"/> Update of existing paper Other
More information if available				
Full Publication Title	Colonic function investigations in children: position paper by the ESPGHAN motility working group			
Publication Timeline and Status of Application for Paper	Submitted			
Publication Leaders	Osvaldo Borrelli, M.A. Benninga, A. Rybak, M. Martinelli			
Publication Type	<input type="checkbox"/> Guideline	X	Position Paper	<input type="checkbox"/> Update of existing paper Other
More information if available				

(iii) future topics considered in 2021-2022

Full Publication Title	SURVEY ON THE USE OF PPI FOR GERD IN INFANTS AND CHILDREN			
Publication Timeline and Status of Application for Paper	2022 Collection of the ESPGHAN data and National dissemination			
Publication Leader	Silvia Salvatore			
Publication Type	<input type="checkbox"/> Guideline		Position Paper	<input type="checkbox"/> Update of existing paper X Other
More information if available				

Full Publication Title	Systematic Review on GERD and sleep problems in children			
Publication Timeline and Status of Application for Paper	2022			
Publication Leader	Silvia Salvatore			
Publication Type	<input type="checkbox"/> Guideline	<input type="checkbox"/>	Position Paper	<input type="checkbox"/> Update of existing paper X Other
More information if available	Participating members to be defined			

- **CONSENSUS ON ESOPHAGEAL ACHALASIA FREDERIC GOTTRAND & ERNICA GROUP.**
A Joint Consensus between ESPGHAN and ERNICA on Esophageal Achalasia has been proposed, due to the lack of consensus statements on this topic. The project has been approved by the ESPGHAN Council. Paper will be published on JPGN, should be finished in October 2022.
- **MANAGEMENT OF PEDIATRIC ACHALASIA: TREATMENT COMPARATIVE STUDY (ENDOSCOPIC BALLOON DILATION VS. PERORAL ENDOSCOPIC MYOTOMY) proposed by Michiel van Wijk**
- **CONSENSUS ON FOOD PROTEIN INDUCED MOTILITY DISORDERS (FPIMD) – proposed by Roberto Berni Canani.** Collaboration with the ESPGHAN Nutrition and EAACI to be considered



- **SURVEY ON THE MANAGEMENT OF IBS IN PEDIATRIC PATIENTS. DIFFERENCES IN IBS CARE AND TRAINING ACROSS EUROPE.**

Radislav Nakov (*President of Bulgarian Society of Neurogastroenterology and Motility, UEG Equality & Diversity Task Force Member, ESNM Steering Committee Member*) created a Survey for adult patients, as a new initiative by ESNM, on Differences in IBS Care and Training across Europe (DICE Study). Silvia Salvatore proposed to Radislav and the ESPGHAN WG to adapt the questionnaire for pediatric IBS to explore the variations in IBS training and management in pediatric patients across Europe and to compare the adult and pediatric approach. ESNM agrees to collaborate with the WG for a Pediatric DICE Study.

D. Financial Report / Budget for 2021: Will be added by EPGHAN Office

Additional comments on financial report:

We have not used up the budget for the Motility WG - no face-to-face meeting was possible due to COVID emergency. No other proposal by the WG members

A. Working Group meetings (date and any main points/activities)

Meeting	Winter Brain Storming
Location	Online- GoToMeeting
Date	December 2021 or January 2022 – to be defined
Main Points / Activities	To discuss on on-going studies and new proposals: critical issues, data collection and interpretation and manuscript draft

Meeting	Annual ESPGHAN WG
Location	Copenhagen
Date	22 June 2022
Main Points / Activities	To summarize the WG activities and research in progress in the last year To give the active members the opportunity to share novel data and propose collaborative new studies and projects with a face-to-face discussion

B. Proposed Educational activities

(i) Educational Events

Full Event Name	ADVANCES AND CONTROVERSIES IN THE MANAGEMENT OF THE PEDIATRIC FUNCTIONAL GASTROINTESTINAL DISORDERS
Location	Taormina
Date	9-11 December 2021
Organizer	Claudio Romano
Email Organizer	romanoc@unime.it



Applied for EPP	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Applied for UEG Training Support	<input type="checkbox"/> Yes	<input type="checkbox"/> No
more information if available		

(ii) E-Learning

Full Project Name	EUGIM Hub combined project Motility Function tests
Project Timeline	To be defined
Project Leader	Marc Fox, Marcin Banasiuk
more information if available (applied for UEG support? Etc)	

C. Proposed Publications

Full Publication Title	Consensus on esophageal achalasia			
Publication Timeline and Status of Application of Paper	2022			
Publication Leader	Frederic Gottrand			
Publication Type	<input type="checkbox"/> Guideline	<input checked="" type="checkbox"/> Position Paper	<input type="checkbox"/> Update of existing paper	<input type="checkbox"/> Other
More information if available	In collaboration with ERNICA			

- **MANAGEMENT OF PEDIATRIC ACHALASIA: TREATMENT COMPARATIVE STUDY (ENDOSCOPIC BALLOON DILATION VS. PERORAL ENDOSCOPIC MYOTOMY) proposed by Michiel van Wijk**
- **CONSENSUS ON FOOD PROTEIN INDUCED MOTILITY DISORDERS (FPIMD) – proposed by Roberto Berni Canani.** Collaboration with the ESPGHAN Nutrition and EAACI to be considered
- **SURVEY ON THE MANAGEMENT OF IBS IN PEDIATRIC PATIENTS. DIFFERENCES IN IBS CARE AND TRAINING ACROSS EUROPE.**

D. Financial Report / Budget for 2022:

The WG members required 6.000 euro to be used for a WG meeting to be considered in March 2022 (location and time will be decided in the next month according to COVID emergency) and to cover possible expenses related to advice videos (for health care professionals and parents) on management of infants and children with FGIDs. Videos could be prepared in collaboration with the Education Committee (to be contacted) and Young ESPGHAN.

