



Working Group - Report for Gastroenterology Committee Strategy Day

Working Group Title: Esophageal atresia

(July 29th; F Gottrand)

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
Gottrand frederic	2013	2018	Election to be organized	Chair	2018
Krishnan Usha	2013	2018	Election to be organized	Secretary	2018
Dall'Oglio Luigi	2013	2018	Election to be organized	Co-chair	2018
BORRELLI OSVALDO CONTINI ANNA HADAASHA HOMAN MELEK NAMEDAR NOUVILI ORTIZ PALMER PANAYOTOU PARDO SOSA TAMBUCCI Renato VAN WIJK MICHIEL VILA MIRAENET ZANGEN ZERZERI BRINI A PAPADOPOULOU ABDELHAIL Bouharrou AMRANI Rim BAUTISTA Adolfo BENNINGA Marc CHRISTINE SPRAY KOLEILAT FRANCESCA REA ILSE BROEKAERT BORGEAN MEDIAS	2018/2022				
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Summary of Activities in 2022

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

Meeting	EGID SIG annual meeting
Location	Copenhagen
Date	June 22th 2022
Main Points / Activities	Updated information about the EOE/EA network and collaboration with EGID for comparing EoE population with and without EA (see below). Preliminary results

Meeting	EA WG annual meeting
Location	Copenhagen and Webmeeting (Gotomeeting)



Date	June 22 th 2022
Main Points / Activities	<ul style="list-style-type: none"> • Introduction: what is going on in the EA planet (ERNICA, INoEA, Cincinnati, Priority in research) (Frederic Gottrand) • Update on the EoE register in EA patients: current status (Frederic Gottrand) • Progress of Transition consensus (Usha Krishnan) • Final results of the mucosal bridge (Matthieu Antoine) • Comparison of Balloon and Savary dilatation study: current status (Renato Tambucci) • Update of the STEPS-EA trial (Anne-Fleur van Hal)
Outcome of the core group meeting:	<p>ERNICA Several interesting common initiatives: Working group on QoL and PROM, the transition consensus (leaded by InoEA), A booth of ERNICA at the ESPGHAN conference of Copenhagen, Kenacort trial STEPS-EA trial (see below). Top 10 research priorities : recurrent strictures, outcome parameters, long term benefit of PPI, transition; long gap, trachea/bronchomalacia, respiratory symptomts, improving esophageal dysmotility</p> <p>Next world congress on EA in Cincinnati Oct 10-14 2022 The Quad conference will associated aerodigestive conference, dysphagia conference, airway course and the world congress on EA. Sessions will focus on interdisciplinary care – Pediatric to adult transitioning is an additional focus. There will be breakout rooms for submitted papers.</p> <p>EoE register in EA patients The project is going better. The data from 110 children (22 countries, 35 centers) were presented and compared with the PEER register (also supported by an ESPGHAN networking grant and collecting data from non EA EOE patients on the same format). The results will be presented at the Cincinnati conference in plenary sessions, recruitment is going on. Some new centres joined or are ready to join</p> <p>Transition position paper (collaboration with INoEA) Steps completed: literature review, summary tables based in literature review, draft questions from subgroups, drafting sections. Recommendations by each subgroup done for Psychology and QoL, respiratory, feeding and nutrition, ongoing for the other sections (Gastroenterology, ENT, surgery). Voting done (the same day), writing the paper, presenting results to next InoEA congress in 2022, creation of transition App for EA patients with funding support of ERNICA</p> <p>ESPGHAN multicentre collaborative study Bougie vs Balloon dilators Compare the efficacy of the balloon vs bougie dilations in terms of number of dilatation sessions per patients needed to achieve stricture resolution. Secondary endpoints</p> <ul style="list-style-type: none"> • Develop a multi-center database to organize an international survey about the endoscopy activity on EA patients • Compare the safety profile of bougie vs balloon dilations in terms of early and late complications occurrence • Analyze epidemiological data to describe the EA population and evaluate AS incidence and identify risk factors for developing AS. Database created (Red Cap) ethical agreement obtained in Italy. Ongoing inclusions in several centres <p>Endoscopic management of esophageal mucosal bridges in children followed for esophageal atresia</p>



	<p>Multicentre retrospective study collecting cases of mucosal bridge at the site of esophageal anastomosis and their treatment (and follow-up). 30 patients collected in 9 centers (France: Lille, Paris Robert-Debré, Lyon, Amiens, Orléans; Hannover; Vilnius; Sydney; Dubai, Boston). This is the largest series in the world (4 cases previously reported in literature). Presentation at ESPGHAN congress in Copenhagen and in Cincinnati, publication pending</p> <p>STEPS-EA trial Intralesional STERoid Injections to Prevent Refractory Strictures in Patients with Esophageal Atresia</p> <p>Multicenter, single-blind randomized controlled trial, 1:1 randomization to injection with 10 mg/ml TAC (Kenacort-A 10) prior to balloon dilatation and balloon dilatation without any injection. Three main objectives: Effectiveness, Safety, Cost-effectiveness. 110 patients needed, 8 have been included yet. Several centres apart from Rotterdam are now opened and ready to include (Lille, Copenhagen, Stockholm....)</p>
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Meeting	Transition in EA patients (close meeting)
Location	Copenhagen and Gotomeeting
Date	June 22th 2022
Main Points / Activities	<p>Final voting phase on the statements on the ESPGHAN/ERNICA/INoEA position paper on transition in EA patients.</p> <p>Multidisciplinary teams including parents representatives, ENT, pulmonologist, psychologist, pediatric surgeons, speech therapist as well as adult doctors (GI and surgeon)</p>



B. Educational activities

- (i) **Educational Events**
(one table per event – please just copy and paste the tables as often as needed)



C. WG Publications / Guidelines / Position Papers

(i) Completed/near completion

Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	Long term digestive outcome of œsophageal atresia.
Authors	Aumar Madeleine , Nicolas Audrey , Sfeir Rony , Seguy David , Gottrand Frédéric
Publication Type	<input checked="" type="checkbox"/> Review
Journal, Year, Volume, Page Numbers	Best Pract Res Clin Gastroenterol 2022 Feb-Mar;56-57:101771
More information if available	Special issue of this journal on the long term outcome of pediatric malformation and rare digestive diseases

Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	An international survey on anastomotic stricture management after esophageal atresia repair: considerations and advisory statements.
Authors	Ten Kate CA, Tambucci R, Vlot J, Spaander MCW, Gottrand F, Wijnen RMH, Dall'Oglio L.
Publication Type	<input checked="" type="checkbox"/> Survey
Journal, Year, Volume, Page Numbers	Surg Endosc. 2021 Jul;35(7):3653-3661
More information if available	First step of the collaborative project about comparison bougies versus balloon dilatation of esophageal strictures

Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	Management of gastroesophageal reflux disease in esophageal atresia patients: a cross-sectional survey amongst international clinicians
Authors	Marinde van Lennep , Frederic Gottrand, Christophe Faure, Taher I Omari, Marc A Benninga, Michiel P van Wijk, Usha Krishnan
Publication Type	<input checked="" type="checkbox"/> Multicenter study
Journal, Year, Volume, Page Numbers	J Pediatr Gastroenterol Nutr. 2022 Aug;75(2):145-150
More information if available	Respondents' opinions on the optimal duration for routine acid suppressive therapy and indications for fundoplication in EA patients varied widely However the majority of respondeents followed the ESGHAN/NASPGHAN consensus

Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	ERNICA Consensus Conference on the Management of Patients with Long-Gap Esophageal Atresia: Perioperative, Surgical, and Long-Term Management



Authors	Dingemann C, Eaton S, Aksnes G, Bagolan P, Cross KM, De Coppi P, Fruithof J, Gamba P, Goldschmidt I, Gottrand F, Pirr S, Rasmussen L, Sfeir R, Slater G, Suominen J, Svensson JF, Thorup JM, Tytgat SHAJ, van der Zee DC, Wessel L, Widenmann-Grolig A, Wijnen R, Zetterquist W, Ure BM.	
Publication Type	<input type="checkbox"/> Position paper	
Journal, Year, Volume, Page Numbers	Eur J Pediatr Surg. 2021 Jun;31(3):214-225.	
More information if available	Representing ESPGHAN and EA WG in ERNICA (led by surgeons)	

(ii) future topics considered in 2022/23

1 Predicting dysphagia post fundoplication

In a recent survey 25 centres had indicated that they were interested in taking part in a multicentre study evaluating “Fundoplication outcomes in children with Esophageal Atresia”, using Pressure Flow Analysis metrics (PFA) on Swallow Gateway Platform with High Resolution Impedance Manometry (HRIM) of the esophagus • High-resolution manometry combined with impedance measurements, helps characterize the interplay between esophageal motor function and bolus clearance. • PFA can offer new insights in this area and potentially help predict the likelihood of developing dysphagia post fundoplication and help with patient selection for anti reflux surgery.

2 Retrospective international register of anastomotic dilatation in EA (collaboration with Boston M Manfredi). Discussion still in progress.

3 Progress/Completion of ongoing projects: EoE in EA register, dilatation balloon versus Savary, STEPS EA trial.

4 Reinforcement of collaboration between ESPGHAN and ERNICA

5 Developing an App based on the transition guidelines which would be of use to patients, families and health professionals



Expenses in 2021 were limited to traveling gathering and hotel for non ESPGHAN members participating to the face to face meeting on transition (ESGHAN office directly reimbursed these fees, I do not have the total amount and details)

Additional comments on financial report:



Outlook on Planned Activity for 2021/22

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

Meeting	EA WG annual meeting
Location	Vienna, just before the annual ESPGHAN meeting
Date	June 2023
Main Points / Activities	Annual meeting, discussion of results and projects

Proposed Educational activities

(i) E-Learning

Full Project Name	
Project Timeline	
Project Leader	
more information if available (applied for UEG support? Etc)	



B. Proposed Publications

Research papers are scheduled pending on the results of the corresponding studies on mucosal bridge (in preparation), EoE in EA, comparison of Savary to balloon for dilatation of anastomotic stenosis in EA patients.

The position paper on transition to adulthood in EA patients (in preparation)

C. Financial Report / Budget for 2023:

- Kindly attach or copy paste your submitted budget request for 2022

None

