

**ESPGHAN**European Society for Paediatric
Gastroenterology, Hepatology and NutritionRue Pellegrino Rossi 16
1201 Geneva, Switzerland
www.espghan.org**Working Group - Report for Gastrointestinal Committee Strategy Day****Esophageal atresia SIG**(date of completion **25.07.2024**; **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	2024	Chair	2018
Krishnan Usha	2013	2018	2024	Co-chair	2024
Van Wijk Michiel	2015	2024		Secretary	2024
A Pasqualetto Adeloka Alessandra Bosetti anastasix.konidari anna.rybak areej.alsunaid aspasiapolyzas Madeleine Aumar betsy.garcia b.morenos Osvaldo Borrelli borsani.barbara c.mussies caterina.strisciuglio Christine.Spray Contini Anna Chiara Iolanda cpalmerb	Updated 2024				

<p> Dalloglio Luigi dr.garahjamal dr.rarahjamail dr koleilat ejarocka elise.payen eugenie.bitoumbou eugenie.bitoumbou fabio.fusaro filippo torrioni francesca.rea franziskarighini goldschmidt.imeke haidar.houmani Ilse Broekaert johanna.keck jorge.amil julia.faulkner kalliroy.kotilea Koen.Huysentruyt kornilia.nikaki lalin Love Caroline m.m.j.singendonk mariella.baldassare Matjaž Homan maxime.henson mg scuderi monica malamisura morslae n.thapar nadakeilani nadejda.tolekova nathalie.rommel Novili Nizer noham zevit oliver.souulewski olivia.bauraind ORTIZ Catalina </p>					
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Panayotou Ioanna					
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Alexandra					
Papadopoulo					
Pardo Nelson					
rene Wijnen					
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Claudio romano					
SALVATORE Silvia					
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Sibylle.Koletzko					
SILBERMINTC Ari					
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sonny.chong					
SOSA Francisco					
taher.omari					
TAMBUCCI Renato					
tania.mahler					
tarekkasri					
tatiana.goerhardt					
TEN KATE Chantal					
TORRONI Filippo					
TSILI Zangen					
Vaidotas Urbonas					
VAN BIERVLIET					
Stéphanie					
VAN DEN BERG					
Anemone					



VANDE VELDE Saskia vanessajohnson vdbchirurgiapediatrica VEEREMAN Gigi victor.vila vieira.mcv Yvan Vandenplas ZAARI JABIRI Youssef ZANGEN Tsili ZERZERI BRINI Inès					
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Summary of Activities in 2024

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

(one table per meeting – please just copy and paste the tables as often as needed)

Meeting	EA SIG/INoEA strategic day
Location	Lille
Date	Nov 26-27 th 2023
Main Points / Activities	<ul style="list-style-type: none"> • Strategic plan What has been done What are our objectives How to achieve them • Recommendations How to translate them into practice Update recommendation • Research in EA/TEF Building tools Basic/translational science Database development Other potential research projects
Outcome of the core group meeting:	<p>Identification of the key topics to be developed in the future to improve care, education and research in EA</p> <p>Summary accepted for publication in Orphan J Rare Dis</p>
Meeting	EA WG annual meeting
Location	Milan
Date	May 15 th 2024
Main Points / Activities	<ul style="list-style-type: none"> • What happens in the EA planet (Frédéric Gottrand) • The year in review (Usha Krishnan) • Update on anastomotic stenosis dilatation registry (Renato Tambucci) • EoE in EA database: where we are? (Frederic Gottrand) • Summary of the Educational session on Feeding, Nutrition and Growth in EA (Frederic Gottrand) • Step EA trial update (John Vlot/AF Vanhal) (10 min)
Outcome of the core group meeting:	<p>Collaboration with ERNICA Active collaboration between EA-WG and ERNICA (quality of life project, STEP-EA...). A collaboration agreement has been signed between ESPGHAN and ERNICA A common symposium was organized in Milan congress</p> <p>Update of the 2016 ESPGHAN Guideline on GI and nutrition in EA Project approved by ESPGHAN council and NASPGHAN. Funding issues not solved for the literature review and library involvement</p> <p>ESPGHAN multicenter collaborative study Bougie vs Balloon dilators on anastomotic strictures 6 centers are recruiting, >80 patients included (150 patients required), ethical committee amendment done to prolong the inclusion time.</p>



	<p>STEPS-EA trial Intralesional STeroid Injections to Prevent Refractory Strictures in Patients with Esophageal Atresia 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. 110 patients are needed, and 14 have been included yet. 5 centers are now opened and including</p> <p>7th International Conference on Esophageal atresia INoEA 2025, April 30 to May 3, 2025 Istanbul</p> <p>Changes in our ToR, moving to a SIG approved</p>

Meeting	EGID SIG annual meeting
Location	Milan
Date	May 15 th 2024
Main Points / Activities	Updated information about the EOE/EA network and collaboration with EGID for comparing EoE population with and without EA. Database is closed and extraction of the Euro PEER database for comparison with the EoE in EA database is done. Analysis of the data is ongoing

B. Educational activities

(i) Educational Events

(one table per event – please just copy and paste the tables as often as needed)

Full Event Name	ERNICA-ESPGHAN JOINT EDUCATIONAL SESSION: FEEDING, NUTRITION AND GROWTH IN ESOPHAGEAL ATRESIA PATIENTS		
Location	Wroclaw		
Date	April 10 th 2024		
Organizer	F Gottrand		
Email Organizer			
EPP	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
UEG Training Support	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	



Agenda for ERNICA-ESPGHAN Joint Educational Session on Feeding, Nutrition and Growth in Esophageal Atresia Patients

Wroclaw, Poland, Wednesday, 10 April, 12:00-16:00 CEST

Teams Meeting ID: **399 209 002 864** - Passcode: **fW8kvh**

more
informati
on if
available

1. What are the mechanisms of feeding problems in EA patients? – *Michiel van Wijk, Amsterdam UMC*
2. How to prevent feeding problems in the peri/post-operative period: Replogle tube management pre-operative, Sham feeding programs, breastfeeding – *Jan F Svensson & Anna-Maria Tollne, Karolinska University Hospital, Stockholm*
3. How to assess the feeding problems? swallowing score, follow-up – *Alex Stewart, Great Ormond Street Hospital, London*
4. How to support nutrition in EA patients? standard feeding assessment, motility drugs? enteral nutrition – *Frédéric Gottrand, CHU Lille*
5. Growth and Nutritional issues in the adolescent/adult population – *Saskia Vande Velde, UZ Gent*
6. How psychologists can help parents with the feeding of children with EA? – *Vuokko Wallace, University of Bath*
7. Multidisciplinary discussion about patient cases
 - a. Frédéric Gottrand / Madeleine Aumar, CHU Lille
 - b. Saskia Vande Velde, UZ Gent
 - c. To be confirmed
8. Summary/ plan of action: a multidisciplinary approach? – *JoAnne Fruithof, Frédéric Gottrand, Stefaan Tytgat, Simon Eaton*



Full Event Name	ERNICA annual meeting
Location	Wroclaw
Date	Apr 9-11 th 2024
Organizer	R Wijnen
Email Organizer	
EPP	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
UEG Training Support	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
more information if available	As co-chairs of esophageal working group, EA- WG members were involved in the program, and lectures

C. WG Publications / Guidelines / Position Papers

(i) Completed

(one table per publication – please just copy and paste the tables as often as needed)

Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	Endoscopic management of esophageal mucosal bridges in children with esophageal atresia
Authors	Antoine M, Krishnan U, Manfredi M, Cervinskiene J, Viala J, Brendel J, Tzivinikos C, Vanrenterghem A, Dimitrov G, Hauser B, Laverdure N, Rohmer B, Behal H, Nicolas A, Gottrand F.
Publication Type	<input type="checkbox"/> Guideline <input type="checkbox"/> Position Paper <input type="checkbox"/> Update of existing paper <input checked="" type="checkbox"/> Other
Journal, Year, Volume, Page Numbers	Surg Endosc. 2023 Dec;37(12):9167-9172
More information if available	

Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	The International Network on Oesophageal Atresia (INOEA) consensus guidelines on the transition of patients with oesophageal atresia-tracheoesophageal fistula.
Authors	Krishnan U, Dumont MW, Slater H, Gold BD, Seguy D, Bouin M, Wijnen R, Dall'Oglio L, Costantini M, Koumbourlis AC, Kovesi TA, Rutter MJ, Soma M, Menzies J, Van Mallegheem A, Rommel N, Dellenmark-Blom M, Wallace V, Culnane E, Slater G, Gottrand F, Faure C
Publication Type	<input checked="" type="checkbox"/> Guideline <input type="checkbox"/> Position Paper <input type="checkbox"/> Update of existing paper <input type="checkbox"/> Other
Journal, Year, Volume, Page Numbers	Nat Rev Gastroenterol Hepatol. 2023 Nov;20(11):735-55.
More information if available	ESPGHAN EA WG members were strongly associated with this consensus, ESPGHAN has been acknowledged in the paper

Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	Time to consider oesophageal atresia as a life-long disease.
Authors	Leroy M, Aumar M, Seguy D, Vandamme F, Widenmann A, Sfeir R, Gottrand F.
Publication Type	<input type="checkbox"/> Guideline <input type="checkbox"/> Position Paper <input type="checkbox"/> Update of existing paper <input checked="" type="checkbox"/> Other



Journal, Year, Volume, Page Numbers	Int J Surg. 2024 May 1;110(5):2506-2507.
More information if available	Editorial

Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	Proton pump inhibitors in esophageal atresia: A systematic review and meta-analysis.
Authors	Dimitrov G, Aumar M, Duhamel A, Wanneveich M, Gottrand F.
Publication Type	<input type="checkbox"/> Guideline <input type="checkbox"/> Position Paper <input type="checkbox"/> Update of existing paper <input checked="" type="checkbox"/> Other
Journal, Year, Volume, Page Numbers	J Pediatr Gastroenterol Nutr. 2024 Mar;78(3):457-470.
More information if available	metaanalysis

Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	Gastric emptying and myoelectrical activity testing in children with esophageal atresia: A pilot study.
Authors	Mussies C, Duvoisin G, Le A, Birro S, Hulbert S, Omari T, Benninga MA, van Wijk MP, Krishnan U.
Publication Type	<input type="checkbox"/> Guideline <input type="checkbox"/> Position Paper <input type="checkbox"/> Update of existing paper <input checked="" type="checkbox"/> Other
Journal, Year, Volume, Page Numbers	JPGN Rep. 2023 Dec 20;5(1):10-16.
More information if available	

Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	Developing a core outcome set for the health outcomes for children and adults with congenital oesophageal atresia and/or tracheo-oesophageal fistula: OCELOT task group study protocol.
Authors	Ducey J, Lansdale N, Gorst S, Bray L, Teunissen N, Cullis P, Faulkner J, Gray V, Gutierrez Gammino L, Slater G, Baird L, Adams A, Brendel J, Donne A, Folaranmi E, Hopwood L, Long AM, Losty PD, Bencotter D, de Vos C, King S, Kovesi T, Krishnan U, Nah SA, Ong LY, Rutter M, Teague WJ, Zorn AM, Hall NJ, Thursfield R.
Publication Type	<input type="checkbox"/> Guideline <input type="checkbox"/> Position Paper <input type="checkbox"/> Update of existing paper <input checked="" type="checkbox"/> Other
Journal, Year, Volume, Page Numbers	BMJ Paediatr Open. 2024 Feb 5;8(1):e002262.
More information if available	

Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	Proton pump inhibitors, antibiotics, and atopy increase the risk of eosinophilic esophagitis in children with esophageal atresia.
Authors	Tang TC, Leach ST, Krishnan U.
Publication Type	<input type="checkbox"/> Guideline <input type="checkbox"/> Position Paper <input type="checkbox"/> Update of existing paper <input checked="" type="checkbox"/> Other
Journal, Year, Volume, Page Numbers	J Pediatr Gastroenterol Nutr. 2024 Jun;78(6):1317-1328.



More information if available	
Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	Intestinal dysbiosis and inflammation in children with repaired esophageal atresia.
Authors	Traini I, Chan SY, Menzies J, Hughes J, Coffey MJ, McKay IR, Ooi CY, Leach ST, Krishnan U.
Publication Type	<input type="checkbox"/> Guideline <input type="checkbox"/> Position Paper <input type="checkbox"/> Update of existing paper <input checked="" type="checkbox"/> Other
Journal, Year, Volume, Page Numbers	J Pediatr Gastroenterol Nutr. 2024 Jun;78(6):1317-1328.
More information if available	

(ii) **in progress**

(one table per publication – please just copy and paste the tables as often as needed)

Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	Navigating global collaboration: challenges faced by the international network on esophageal atresia
Publication Timeline and Status of Paper	Frédéric Gottrand, Usha Krishna, Anke Widenmann, Michaela Dellenmark Blom, Luigi Dall'Oglio, Rene Wijnen, Michiel Vanijk, JoAnne Fruithof, Daniel von Allmen, Tom Kovesi, Christophe Faure. Orphanet J Rare Dis. Accepted
Publication Type	<input type="checkbox"/> Guideline <input type="checkbox"/> Position Paper <input type="checkbox"/> Update of existing paper <input checked="" type="checkbox"/> Other
More information if available	Summary of the meeting organized in Lille in Nov 2023

(iii) **future topics considered in 2024**

(one table per publication – please just copy and paste the tables as often as needed)

Full Publication Title	Update of the guideline on dig and nutritional problems in EA			
Publication Timeline and Status of Application for Paper	2025/26			
Publication Leader	Publication Leader			
Publication Type	<input checked="" type="checkbox"/> Guideline	<input type="checkbox"/> Position Paper	<input type="checkbox"/> Update of existing paper	<input type="checkbox"/> Other
More information if available	Time line depending on the support for selection and classification of the literature from espghan and naspghan			

D. Financial Report / Budget for 2023: Will be added by EPGHAN Office

All in Euros	Allocated	Used so far
Expenses	Will be added by EPGHAN Office	Will be added by EPGHAN Office
ERNICA-ESPGHAN JOINT EDUCATIONAL SESSION: FEEDING, NUTRITION AND GROWTH IN ESOPHAGEAL ATRESIA PATIENTS	6000	0
Activity 2		
Activity 3		



Activity 4		
Activity 5		
Activity 6		
Activity 7		
Activity 8		
TOTAL Expenses 2023	6000	
Income	Please also add funding from other sources if applicable	
Activity 1		
Activity 2		
Activity 3		
Activity 4		
Activity 5		
TOTAL Income 2023		

Additional comments on financial report:

We will use the 6000 euros functioning annual budget of our WG to organize a strategic meeting with several members of our WG together with some representatives of ERNICA (pediatric surgeon), and INoEA (pulmonologist, ENT) on Nov 27, 28th 2023 in Lille to prepare a strategic plan for future research in EA.

Outlook on Planned Activity for 2025

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

(one table per meeting – please just copy and paste the tables as often as needed)

Meeting	Annual meeting
Location	Helsinki
Date	May 14 th 2025
Main Points / Activities	Report of activities, Updating the espghan/naspghan guideline Final results of the EoE in EA project Research strategy in EA STEP-EA trial and bougies vs balloon Dilatation project updates New collaborative projects

Meeting	Annual meeting
Location	Helsinki
Date	May 14 th 2025
Main Points / Activities	Report of activities, Updating the espghan/naspghan guideline Final results of the EoE in EA project Research strategy in EA STEP-EA trial and bougies vs balloon Dilatation project updates New collaborative projects

B. Proposed Educational activities



(i) **Educational Events**

(one table per event – please just copy and paste the tables as often as needed)

Full Event Name	Advances in Translational Research for Esophageal Atresia
Location	Lille
Date	Sept Oct 2025 to be fixed
Organizer	F Gottrand
Email Organizer	
Applied for EPP	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Applied for UEG Training Support	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
more information if available	<ol style="list-style-type: none">1. Integrating omic data for enhanced understanding and management of EA2. Recent advances in epidemiology, risk factors, and cohort studies3. Clinical/omic data: the need for innovative data learning methods Mixed presentail/online Collaboration with INoEA and ERNICA

(ii) **E-Learning**

(one table per project – please just copy and paste the tables as often as needed)

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

C. Proposed Publications / Guidelines / Position Papers

(one table per publication – please just copy and paste the tables as often as needed)

Full Publication Title	Eosinophilic esophagitis in EA patients. Data from an international register			
Publication Timeline and Status of Application of Paper	Analysis of the database (closed in august 2023), writing the paper			
Publication Leader	Gottrand F			
Publication Type	<input type="checkbox"/> Guideline	<input type="checkbox"/> Position Paper	<input type="checkbox"/> Update of existing paper	<input checked="" type="checkbox"/> Other
More information if available				

D. Financial Report / Budget for 2024:

- Kindly attach or copy paste your submitted budget request for 2024

We will use the 6000 euros functioning annual budget of our WG to organize the workshop on translational research in EA



- **Additional comments on financial report:**

Complementary funding from ERNICA will be requested, as well as from university of Lille

We require funding for updating the ESPGHAN/NASPGHAN join consensus on EA (in 2025 or 2026). To be discussed with NASPGHAN

E. Any other issues that may be of interest

A symposium in Helsinki annual congress has been offered to ERNICA and we will be the espghan contact with ernica for scientific organization

