European Federation of Audiology Societies (EFAS)



EFAS Working Group on school age hearing screening, Leuven, preparation for meeting 15NOV17

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A meeting of the EFAS Working Group and project partners will be organized in Leuven on Wednesday 15NOV17. We suggest to meet for a first get-together the evening before on Tuesday 14NOV17. It is our pleasure to invite you all for dinner in a nice Leuven restaurant (for dinner together and 1 hour meeting for discussion agenda). We will meet from 9h to 16h on 15NOV17. There are frequent connections from all major European cities to Brussels airport by plane and to Leuven by train (at least 2 direct train connections per hour that take 15 minutes to Leuven train station). The venue of the meeting is the meeting room of ExpORL of the Department of Neurosciences, , located on the Campus Gasthuisberg, 7th floor of O&N2, KU Leuven, Herestraat 49, 3000 Leuven. For the people who do not have to catch train and/or airplane immediately after 16h we can continue until 20h and dinner for further (practical) arrangements.

A preliminary list of agenda-items and tasks for the partners is added below. Please feel free to add items.

Most important organizational aspects at this moment are your registration, your travel arrangements, your hotel reservation, and your contributions to the meeting.

You can register by sending the registration form (below) to <u>ExpORL@kuleuven.be</u>. Please send us the information at the latest before 30OCT17. Please make sure to book your hotel as soon as possible. A list of hotels is attached at the end of this message. In case you need additional information please contact us at <u>ExpORL@kuleuven.be</u>. Please inform us about your travel arrangements

More specific information about venue, restaurant, agenda and pick-up on Wednesday morning will be sent to registered attendees a few days before the meeting. We hope to have a very productive meeting in Leuven on November 14-15! With best regards

For EFAS WG SHS

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Agenda of Leuven meeting 15NOV17

Discuss and decide on organization, preparation and start pilot project with application of Sound Ear Check (language independent) together with school age hearing screening as applied in own country (Q1) and, if applicable, compare with the NHS data for all screened children (Q2). (see Introduction Q1 and Q2 below)

A number of measurement sets (with Sound Ear Check only, or plus Digit Triplet Test in own language) will be provided for partners in the pilot project. Partners Leuven and Netherlands developed and implemented the test on tablet. This will be ready for use in the different languages at the time of the WG SHS meeting in Leuven. A description of the test procedure and test setup is ready.

One contact person per collaborating partner country.

Provide information about the measurement sets of calibrated headphone plus tablet with software installed, manual, training and supplementary info, 1 set per partner (max 2 sets), delivery for measurement in early 2018.

Discuss and finalize test protocol with aspects: a common denominator for all (SEC), the usual country-specific SHS-test will as usual be administered (using the standard method), and complimented with at least the SEC, power calculations, how to deal with conductive hearing loss, test-retest reliability, distribution of thresholds, precise test procedures

Define criteria and number of tests: each partner will accumulate tests of minimum 2000 children from a general population, per 1000 we expect between 0.5% (neonatal referral rate) and 5% (SHS referral rates with DTT at age 10y in Flanders), thus between 10 and 100 per 2000, that fall outside normal definition. The data of the normal hearing children will be used for distribution analysis and more precise determination of criteria.

Agreements about data: data are kept in one common database (separate from each partners own national health database), all data will be anonymized according to common key, each partner (or organization in partner country) has transcription key of own children, each partner has the freedom to use the own data

Agreements about publication: each partner owns own data and can make use of them, collaboration Leuven-Netherlands can use complete dataset for analyses. An article about whole study will be used as a report of the EFAS WG SHS

Agreements about use of material: a price of 500 EUR per set will be requested for rent during the pilot project. The measurement sets remain property of partner Leuven and will be returned after the pilot project. Partners can make use of the test sets as long as project and collaboration runs.

Tasks for every partner

A list of partners who showed interest is attached below, as well as a list of interested others.

Provide translations of the text lines used in the test procedure (introduction and info for supervising clinician) for implementation in other languages. A document (Excel-sheet) with an overview of the necessary text lines that have to be filled out in each language has been sent. At this moment the necessary information was received (and already implemented) for use in Israel, Flanders/Netherlands, Ireland, Norway, Rumania, Slovenia.

No information has been obtained yet from Finland or Turkey!

Evaluation of the test materials: each partner can check the sounds and pictures used in the SEC implementation for their applicability in children at school entry (5-6 years old, depending on country). A description of the test procedure and test setup is provided on the google drive EFAS WG SHS under Presentations and documents.

Each partner provides information about their own standard SHS-method and test procedures

Each partner prepares to explain the application in their country and the accessibility of the children for testing.

Submit necessary documents for approval of local medical ethical committee.

Introduction Q1 and Q2

At former meetings of the EFAS working group on school age hearing screening (EFAS WG SHS) it was decided to focus on the investigation of more efficient methodology for hearing screening (Q1) and Incidence of hearing impairment at post-neonatal age until 18 year (Q2) in a pilot project. The outcomes of this pilot project may be a stimulant to consider a large study across-Europe and application for an EU-project.

Q1: Methodology

The Sound Ear Check (SEC), a new screening methodology for SHS, based on ecologically relevant sounds, developed and optimized by partners Netherlands-Leuven, language independent, with child friendly pictures, will be administered in combination with the locally used SHS screening methodology in minimal 2000 children (by each contributing partner), possibly at different ages, at least at school-entry (5 or 6 year old). This pilot project will be covered with own resources of the contributing partners. The Sound Ear Check will provide an across-partner and across-languages reference measure.

Q2: Evidence/Incidence

Investigation of evidence for the necessity of SHS, inventory of the already available information, pilot studies in some countries on a regional or country scale, based on typically 2000 children (by each contributing partner) with records tracked from NHS (Neonatal Hearing Screening) to SHS, with whatever the used screening methodology is for SHS, the comparison of SHS data with NHS databases will be made to extract information about incidence

Partners in the project:

Finland:	(Q1)Q2	Tytti Willberg	tytti.willberg@tyks.fi
Israel	Q1(Q2)	Limor Lavie	lavielimor@gmail.com
Turkey	Q1Q2	Gonca Sennaroglu	gsennar@yahoo.com
Romania:	Q1(Q2)	Madalina Georgescu	madalina.georgescu@gecad.com
		Sebastian Cozma	<u>scozma2005@yahoo.com</u>
Slovenia	Q1Q2	Lea Zupan	lea.zupan1@gmail.com
Norway	Q1(Q2)	Vinay Swarnalatha Nagaraj	<u>vinay.s.nagaraj@hist.no</u>
Ireland:	Q1Q2	Theresa Pitt	theresapitt@sky.com
Netherlands:	Q1(Q2)	Wouter Dreschler	w.a.dreschler@amc.uva.nl
		Jan de Laat	J.A.P.M.de Laat@lumc.nl
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		Sam Denys	<u>sam.denys@med.kuleuven.be</u>
		Astrid van Wieringen	Astrid.VanWieringen@med.kuleuven.be
		Michael Hofmann	michael.hofmann@med.kuleuven.be

Mailing list and Interested others

Slovenia	Lea Zupan	lea.zupan1@gmail.com
	Saba Battelino	<u>saba.battelino@kclj.si</u>
	Nina Božanić Urbančič	nina11.bozanic@gmail.com
Czech Republic	Josef Syka	<u>syka@biomed.cas.cz</u>
	Jacub Dršata	
Finland:	Dietz Aarno	<u>Aarno.Dietz@kuh.fi</u>

Germany: Netherlands	Frans Coninx André Goedegebure	f.coninx@ifap.info a.goedegebure@erasmusmc.nl
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	Arne Vik	arne.vik@hist.no
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	Henryk Skarzyski	<u>skarzynski.henryk@ifps.org.pl</u>
UK:	Chris Hyde	<u>c.j.hyde@exeter.ac.uk</u>
	Rod Taylor	<u>R.Taylor@exeter.ac.uk</u>
	Adrian Davis	<u>adriandavis@nhs.net</u>

Hotels in Leuven (there are many more)

Hotel Novotel Leuven Centrum

https://www.accorhotels.com/gb/hotel-3153-novotel-leuven-centrum/index.shtml Vuurkruisenlaan 4, 3000 Leuven Phone 00 32 16 93 90 01

Mille Colonnes (opposite Leuven train station)

https://hotelmillecolonnes.be/ Martelarenplein 5, 3000 Leuven Phone 0032 16 22 86 21

Hotel ibis Leuven Centrum

https://www.accorhotels.com/gb/hotel-1457-ibis-leuven-centrum/index.shtml Brusselsestraat 52, 3000 Leuven (heart of town) Phone: 00 3216 29 31 11

Theater Hotel

http://www.lodge-hotels.be/nl/hotels/b/theater-hotel-leuven Bondgenotenlaan 20, 3000 Leuven Phone 0032 16 22 28 19

Penta Hotel (former Garden Court)

https://www.pentahotels.com/de-DE/destinations/europe/belgium/leuven/

Alfons Smetsplein 7, 3000 Leuven Phone: 00 32 16 31 76 00

Registration form EFAS WG SHS meeting 15NOV17

Please email form to <u>Exporl@kuleuven.be</u>. Add 'EFAS WG SHS 2017' to subject heading

Last name				
First name				
Affiliation				
Phone number (mobile)				
Hotel				
Dinner Tuesday 14NOV17	YES/ NO			
Dinner Wednesday 15NOV17	YES/NO			
Please specify dietary requirements				
Travel info				