



INTERNATIONAL PHYSIOTHERAPY GROUP FOR CYSTIC FIBROSIS

Welcome to our second IPG/CF newsletter for 2017. **Updated reports are now due from all country contacts to be submitted at our June AGM at the ECFC.** This report does not have to be lengthy, it just needs to provide information regarding the number of physiotherapists in your CF group locally (perhaps a number of patients with CF they manage), recent activities and planned events.

Notice of our AGM for 2017 is included in this newsletter with a proxy form if your country contact is unable to be present in Seville. There is also a call for nominations for a new vice chair to commence at the 2017 AGM. The minutes of our AGM in 2016 and an agenda for 2017 are also included in this newsletter.

If you are receiving this newsletter we are happy for you to forward it on to your colleagues.

As always we welcome your feedback and input. Enjoy.

Marlies Wagner, MSc (marlies.wagner@medunigraz.at)

IPG/CF Secretary.

IPGCF CONTACT LIST FOR MEMBER COUNTRIES

Below is the contact list as of April 2017. Countries in **red** are still lacking an active contact person. We are happy to hear of email updates or alternatives for inactive red countries if you have suggestions. In summary, there are currently 55 member countries with 36 actively responding to emails.

Country	Contact	Email
Argentina:	Patricia Ratto	patricianancyratto@gmail.com
Australia:	Brenda M. Button	b.button@alfred.org.au
Austria:	Marlies Wagner	marlies.wagner@medunigraz.at
Bangladesh:	Md.Abdullah Al-Mamun	abdullah15ca@yahoo.ca
Belgium:	Myriam Vreys	myriam.vreys@uzleuven.be
Brazil:	Hilda Angelica Jimenez	hildajimenez38@yahoo.com.br
Bulgaria:	Anni Konfarjievea	
Canada:	Maggie Mcllwaine	mmcilwaine@cw.bc.ca
Cayman Islands:	Zillah Isaac	zillah.isaacs@gov.ky
Chile:	M. Alejandra Vila Irarrazavel	
Colombia:	Janeth Buendia Algeria	
Costa Rica:	Rodolfo A. Bonilla Abarca	rhbonilla@yahoo.com
Croatia:	Anja Kladar	anja.kladar@gmail.com
Cuba:	Romario Arjona Rodrigues	mjrojo@infomed.sld.cu
Czech Republic:	Libuse Smolikova	libuse.smolikova@email.cz
Denmark:	Camilla Pedersen	camipede@rm.dk
Ecuador:	Maite Mijares	maite@crespomijares.com
El Salvador:	María Azucena Flores Alemán	mafa.azucena@gmail.com
Estonia:	Karin Tammik	karin.tammik@ut.ee

Finland:	Katrr Partanen	katri.partanen@suomenfysioterapeutit.fi
France:	Hugues Gauchez	hgauchez@hotmail.fr
Germany:	Jovita Zerlik	jovita.zerlik@kinderkrankenhaus.net
Greece:	Kostas Katsoulakis	katsoul@freemail.gr
Hong Kong:	LAU Mo Yee, Polly	pmylau@ha.org.hk
Hungary:	Peter Borka	borka@chello.hu
Iceland:	Dr. Hordur Bergsteinsson	hordurb@landspital.is
India:	Sumita Gupta	bisoiak@rediffmail.com
Ireland:	Irene Maguire	maguire.irene@gmail.com
Israel:	Eynav Manor	e_manor@rambam.health.gov.il
Italy:	Clizia Cazzarolli (new)	clizia.cazzarolli@aovr.veneto.it
Lithuania:	Rima Budreiciene	rbudreiciene@hotmail.com
Latvia:	Inese Znotina	Inese.Znotin@vsu.lv
Macedonia:	Minola Paunovska	oliverdod@gmail.com
Mexico:	Zoila Popper	amfqmx@mexis.com
New Zealand:	Rebecca Scoones	RScoones@adhb.govt.nz
Norway:	Sandra Gursli	sangur@ous-hf.no
Oman:	Kamla Al-Qasmi	kaq83@yahoo.com
Palestine:	Amal Nassar	amal.nassar@crb-mail.org
Panama:	Gherson Cukier	gcukier@chiriqui.com
Poland:	Teresa Orlik	zaklad.usprawnienia@imid.med.pl
Portugal:	Filipe Prospero	filipe_prospero@yahoo.com
Romania:	Bogdan Almaja-Guta	bogdisport@yahoo.com
Russia:	Dr. Anna Tomilova	tomilova@nczd.ru
Saudi Arabia:	Tareq M Aref Hussein	web_rcs@shrc.edu.sa
Slovakia:	Marta Heroutová	fyzio.pp@falck.sk heroutovi@sudtarch.sk
South Africa:	Brenda Morrow	bmorrowstaffichrxhuct@mail.uct.ac.za
Spain:	Laura Muelos Gomez	lauramgfisio@hotmail.com
Sweden:	Cecilia Rodriguez Hortal	cecilia.rodriguez-hortal@karolinska.se
Switzerland:	Marta Kerstan	mkerstan@hispeed.ch
The Netherlands:	Lianne van der Giessen	l.vandergiessen@erasmusmc.nl
Turkey:	Osman Coban	oscoban28@gmail.com
UAE:	Saeid Rahbar Soureh	saeid849@yahoo.com
UK:	Helen Parrott	H.Parrott@rbht.nhs.uk
Uruguay:	Kitty Löwensberg	kittylowensberg@movinet.com.uy
USA:	Jaime Eilbacher	EILBACHER@email.chop.edu

IPGCF CONTACT LIST FOR ALUMNI MEMBERS

Name	Email
Louise Lannefors	louise.lannefors@med.lu.se
Margareta Sahlberg	margareta.sahlberg@telia.com
Esta Tannenbaum	esta.tannenbaum@rch.org.au
Ruth Dentice	Ruth.dentice@sswahs.nsw.gov.au

Alumni member

Past country contacts or board members who wish to join our Alumni members should contact our Secretary Marlies with details of their terms with the IPG/CF and their areas of expertise/interest. We are compiling a list of experienced alumni members who might help us with conference preparations and they will receive all IPG/CF communications directly as supporters of the IPG/CF.



Hello and thank you for reading newsletter 2, our pre conference edition!

I am looking forward to seeing many of you at our upcoming AGM at the ECFC in Seville. Since our last newsletter we have continued to work with the ECFS on the **content of the conference**, have been working with the authors on the **update of the Blue Booklet** (yes we are nearly there - thank you Irene and authors for your continued hard work) and have been preparing an **online training module** for CF physiotherapists. Please join us at the AGM to hear how you can get involved in the upcoming projects for 2017/18 (agenda below). Please email me if you wish to add anything to the AGM agenda for discussion.

ECFC

What an exciting programme of events awaits us at Seville this year! Please see the details at the end of this newsletter for a reminder or alternatively visit the ECFC website where you can now access the full programme <http://www.professionalabstracts.com/ecfs2017/programme-ecfs2017.pdf>

We particularly hope to see you at the case presentation session, our AGM and the physiotherapy symposium (S11 What does personalised medicine mean for the physiotherapist?) which should stimulate some interesting discussion on how we, as physiotherapists need to adapt to the future challenges we all face in CF care.

This year, the board and friends have split into 2 groups to manage the conference preparations and Cecilia (IPG vice chair) has been leading a small working group in preparing an exciting pre conference course. The course - 'exercise in CF: from evaluation to prescription' is now nearing full capacity and we look forward to seeing many of you in the audience. We have a fantastic line up of speakers and moderators and we hope some thoughtful discussion and learning will be generated. If you wish to secure a final place please register on the ECFC website via the online registration platform <https://www.ecfs.eu/seville2017/registration-information>

Alumni

If you are a past country contact or board member and you wish to join our alumni, please contact our secretary Marlies Wagner (marlies.wagner@medunigraz.at) with the details of your term with the IPG/CF

and your area of expertise/interest. We are compiling a list of experienced alumni members who might help us with conference preparations and you will receive all IPG/CF communications directly as a supporter of the IPG/CF.

New vice chair elect

At the AGM this year, I finish my term as chair so with Ceci moving into the chair position we will be **looking for a new vice chair**. According to the IPG/CF constitution, to take a vice chair position, a nominee would need to be a previous or current country contact person. There would also be financial support available from the IPG/CF to attend the AGM (as agreed at AGM 2016) and you would be expected to contribute to the ECFC content either in speaking or moderating a session. Is this for you and are you at a point in your career where you would like to join this lovely group and help bring us together? Would you like more opportunities to network, devise content for the ECFC and make a difference to CF physiotherapy? Please contact me h.parrott@rbht.nhs.uk

If you would like to work with the IPG but are not a current or previous contact person, please still get in touch – we need help to move projects forward. Please do contact me if you or a colleague are considering the post and would like more information - h.parrott@rbht.nhs.uk

Action points from the last AGM

- Following the survey of country contacts, members were keen for a **research representative** to work with the board in providing mentorship/advice to CF physiotherapists wishing to submit abstracts or case presentations to the CF conferences. I have been looking after this role but it is now time to elect a member for the next year - you need to be a previous or current country contact with experience of successfully submitting both abstracts and case presentations to ECFC or NACFC and be prepared to support others in doing so for 1 year from the AGM in Seville. Please get in contact if you are interested h.parrott@rbht.nhs.uk
- We also need to set up an **education sub-committee** of at least one previous or current contact persons and some IPG/CF airway clearance instructors to help develop an online training module for physiotherapists. Please get in contact if you are interested h.parrott@rbht.nhs.uk
- Finally, we are due to run another IPG/CF **airway clearance instructors** course in the next couple of years. Have you been working in CF physiotherapy for > 5 years and would like to advance and consolidate your airway clearance training in order to teach others on behalf of the IPG/CF? Please get in contact if you are interested h.parrott@rbht.nhs.uk

Best wishes all,

Helen ☺

Helen Parrott
IPG/CF Chairperson

 *Agenda of the AGM of the IPG/CF*

Sevilla, Wednesday, 7th June 2017, from 12.30 to 14.00

- 1) Introduction of the Committee and Contact Persons, apologies for absence.
- 2) Minutes of the Annual General Meeting held in Basel
- 3) Reports: Oral reports will be limited to 3 minutes; the full reports will be published in the IPG/CF Newsletter 3/2016
 - a. Chairperson
 - b. Treasurer
 - c. Secretary
 - d. Business arising from reports
- 4) New alumni members introduced
- 5) Future capacity of the IPG - discussion and ideas!
- 6) Glossary and blue booklet updates
- 7) Elect of new vice chair
- 8) Elect of research representative and lead of education sub-committee (1 year terms)
- 9) Any other business and date of next meeting

 *Notice of the 2017 AGM of the IPG/CF*

Notice is hereby given of the Annual General Meeting of the International Physiotherapy Group for Cystic Fibrosis to be held Wednesday 7th June 2017 at 12.30-14.00 (immediately following the conclusion of our short course)

Enclosed please find a copy of the Agenda for the meeting. If you are unable to attend, please email your Proxy vote to the secretary Marlies Wagner (marlies.wagner@medunigraz.at). Have your proxy and bring it to the meeting.



INTERNATIONAL PHYSIOTHERAPY GROUP FOR CYSTIC FIBROSIS

Proxy

I, the undersigned _____

Of (State, Country) _____

One of the Contact Persons (ordinary committee members) of the International Physiotherapy Group for Cystic Fibrosis (IPG/CF),

do hereby appoint _____

as my deputy delegate, or the Secretary of the IPG/CF, as my proxy to vote in my stead at the


Annual General Meeting of the IPG/CF to be held on _____

at _____ and any adjournment thereof.

Date _____

Signature _____

Name in print _____

 **MINUTES OF THE ANNUAL GENERAL MEETING OF THE
INTERNATIONAL PHYSIOTHERAPY GROUP FOR CYSTIC FIBROSIS**

Basel, Wednesday, 8th June 2016, from 12:30 to 14:00

1) Introduction of the Committee and Contact Persons, apologies for absence.

Helen Parrott, IPG/CF Chairperson, opened the meeting by welcoming everyone and introducing the IPG/CF Board: Peter Suter (Treasurer) and Ruth Dentice (Secretary). Jennifer Agnew (Vice-chairperson) was an apology for the meeting.

1. IPG/CF contact persons were asked to stand and introduce themselves. AGM was attended by 12 CP from Australia, Canada, Czech Republic, Germany, Ireland, Israel, Italy, Norway, Poland, Sweden, Switzerland, and UK.
2. IPG/CF Board received 2 proxies: Austria, Greece.
3. AGM was attended by one Alumni member and 37 guests. One previously inactive country had representation present and agreed to be a new country contact for Macedonia

Thus there were 13 contact members present and 2 proxies. This represented a quorum of current active countries and the meeting was officially opened by Chairperson of the IPG/CF.

2) Minutes of the AGM in Brussels, June 2015 were passed (Maggie M, Irene M.)

3) Reports:

1. IPG/CF Chairpersons report - 2016 Helen Parrott

I would firstly like to formally welcome our new members of the board, Cecilia Rodriguez Hortal as vice chair and Marlies Wagner as our new secretary elected at the AGM in Basel. Thank you to those of you who attended the AGM and voted for these appointments - this is an essential part of keeping this group going. Cecilia and Marlies - I am thoroughly looking forward to working with you in my last year as chair and in preparing for the ECFC in Seville.

Goodbye.....or is it?!

Sadly, after a period away from work, our vice chair Jennifer informed us she is retiring from her role. We wish her well and thank her for her joining us for a short while.

After 3 years on the board, It was also time for us to say goodbye to our secretary, Ruth Dentice. Ruth has been a driving force in keeping us all connected by writing our regular newsletter, trying to identify areas which are missing country contacts and promoting research and good practice - we will miss you! I know Ruth is very supportive of the work of the IPG/CF and is a fantastic airway clearance instructor so I don't think this is the last we will see of her!

This year in Basel.....

Thank you to both our speakers and all attendees of the pre-conference course - 'Airway clearance - the foundations and the evidence'. There was some excellent discussion and debate over the 1.5 days and I would

like to thank everyone involved in making this a really interesting airway clearance course based on presentations from the past, present and future. What a great opportunity to share international practice. Thank you to Marta Kerstan, Peter Suter and the Swiss physio group for devising such a stimulating programme. If you haven't yet done so, please give us your feedback via the following online survey

<https://www.surveymonkey.co.uk/r/IPGCFsurvey>

Thank you also to friends of the IPG and past and present board members in moderating and facilitating workshops, case presentation sessions and symposiums in Basel. The commitment and preparation required in your own time no doubt, is much appreciated. We have been commended for the strength of the physiotherapy content and I am incredibly proud of what has been achieved.

Next years ECFC.....

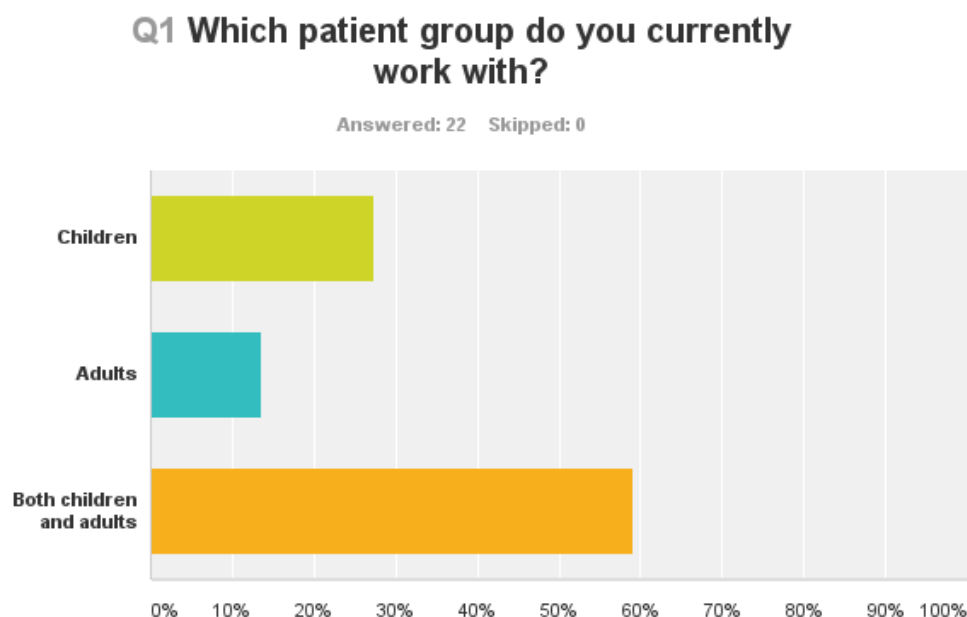
Thank you to those of you who filled in the online survey via survey monkey in the lead up to the conference asking for suggestions for the preconference course. We have collated this information and have already started discussing next years ECFC physiotherapy content.

Please look out in future newsletters as we may ask for comments, suggestions or speakers.

Preparing the content for the ECFC takes a lot of the boards time and I suggested at the AGM that the IPG/CF consider taking on a little extra help with the theme and finding suitable speakers, arranging catering with ECFC etc. So for the next conference in Seville, we now have a small working group for the pre conference course which will be led by Cecilia as vice chair and a second group led by me which will arrange the rest of the conference content. We will be in touch when we have more information to share.

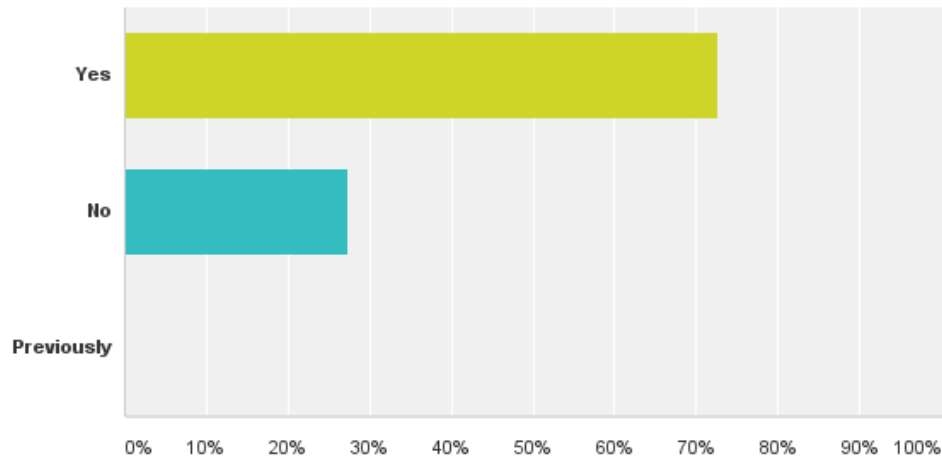
IPG/CF members survey

As presented at the AGM - here are the results of the online survey which was sent prior to the conference in Brussels to get your views, 22 of the membership responded:



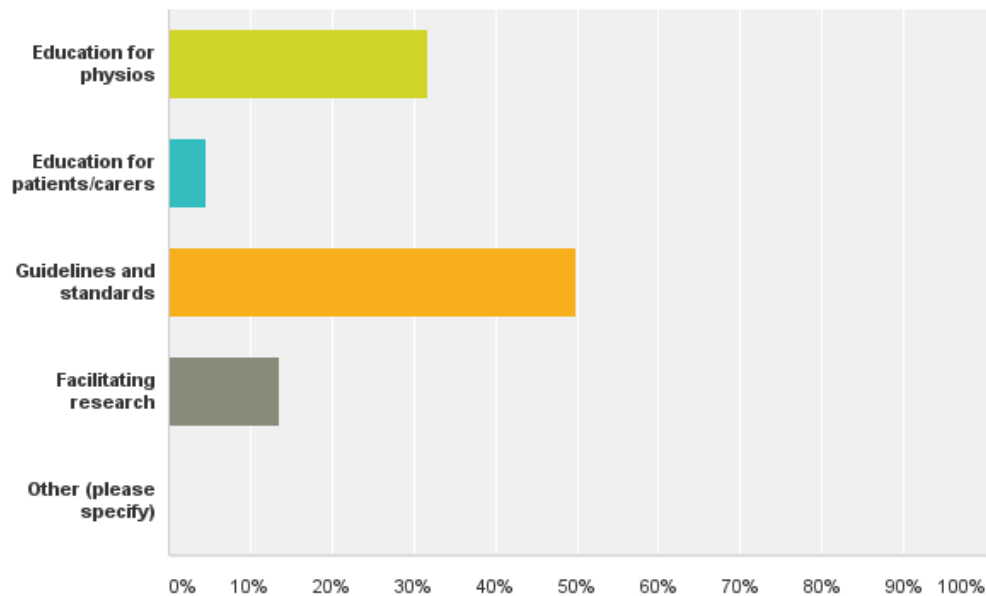
Q2 Are you a country contact person?

Answered: 22 Skipped: 0



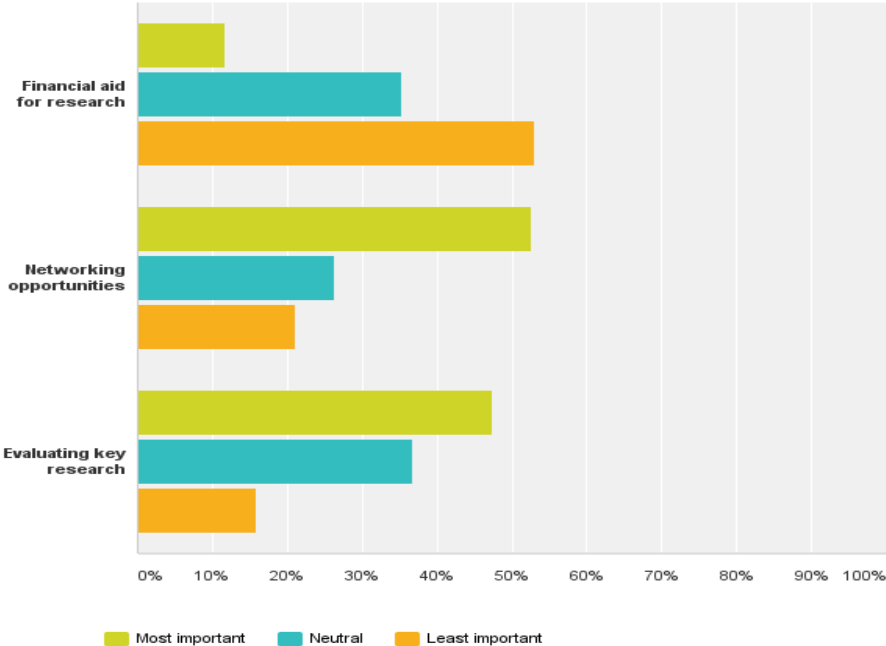
Q3 If you could pick one area for the IPG/CF to focus on in 2016, what would it be?

Answered: 22 Skipped: 0



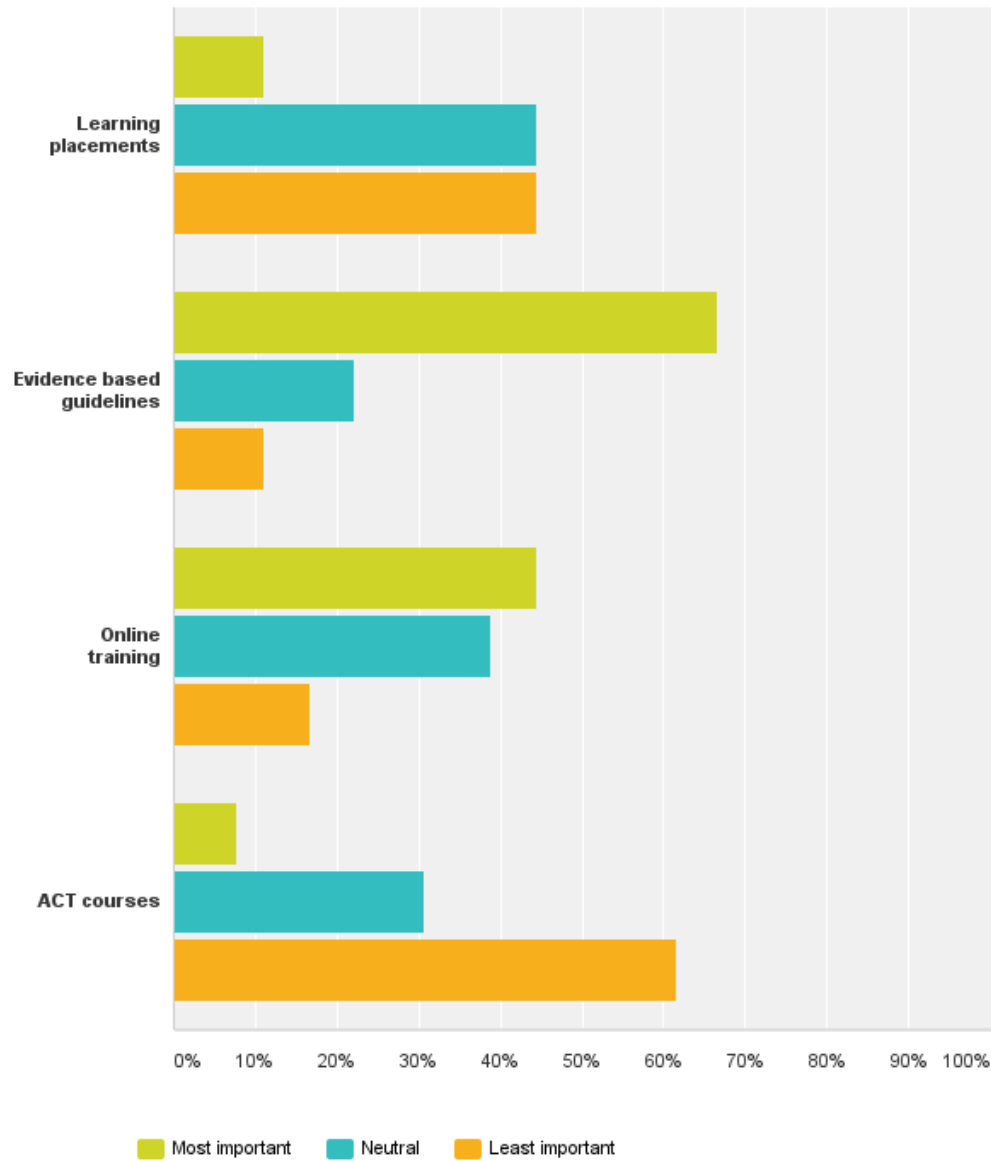
Q4 How would you rate the importance of the following IPG/CF research activities?

Answered: 21 Skipped: 1



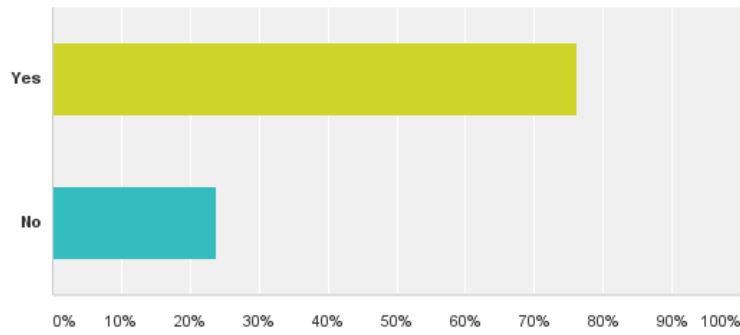
Q5 How would you rate the importance of the following IPG/CF education activities?

Answered: 22 Skipped: 0



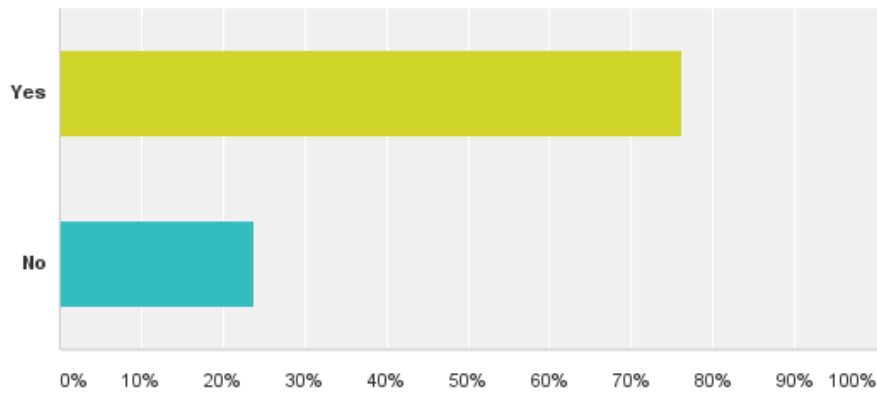
Q9 If there was help available in writing an abstract or case presentation from the IPG would you use this service?

Answered: 21 Skipped: 1



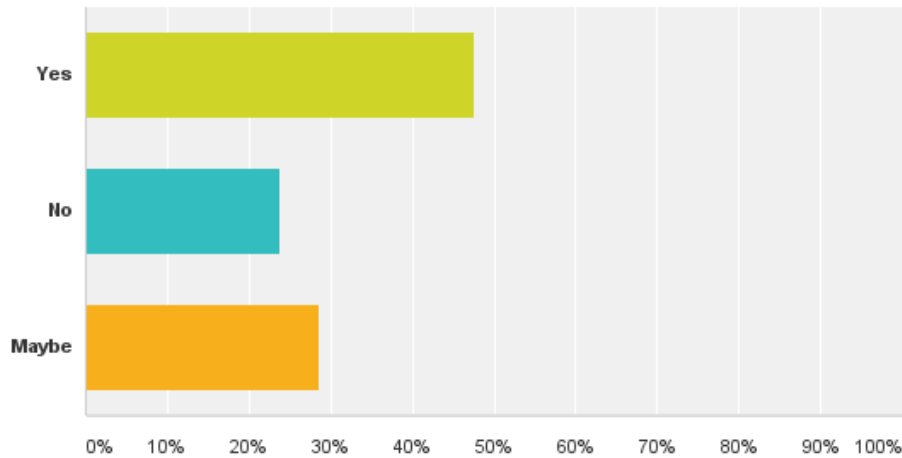
Q9 If there was help available in writing an abstract or case presentation from the IPG would you use this service?

Answered: 21 Skipped: 1



Q11 Would you be interested in joining the IPG/CF board in the future?

Answered: 21 Skipped: 1



The action points from this survey that I will take forward this year are:

- Appointing a research representative of the IPG/CF who can provide assistance to members in abstract writing and developing research streams
- Raise awareness among the membership of new physiotherapy related published guidance and key research studies via the newsletter
- We also discussed financial assistance for board members from the IPG/CF who are unable to attend the European conference or are using personal funds to do so. The board felt that without this option, people may be discouraged from volunteering for vacant board positions and that there was sufficient funds to support board attendance and meeting if needed

I look forward to working with you all this year!
Happy summer holidays
Helen

Dear Members of the IPG/CF,
Dear Country Contact Persons,

Just a gentle reminder that the annual fee is due. For those who pay before the AGM a rewarding applause at the AGM is guaranteed. Thanks to UK and Germany, who have paid already.
Although the annual fee is not compulsory I invite all countries, who are able to, to participate.

The annual fee of 50.- Euro is due by June 30, 2017.

There are two methods for payment:

1. Payment to the IPG/CF bank account. Bank details are as follows:

Bank Name: Credit Suisse 8070 Zürich

Address: cf-physio.ch, Scheuermattweg 21, 3007 Bern, Switzerland

IBAN: CH51 0483 5163 5631 6200 0

BIC: CRESCHZZ80A

Account Nr: 0094-1635631-62

Account Name: CFinternational

Currency: EURO

Please declare clearly for which **country and year** you are paying e.g. *Switzerland 2017*

2. Cash payment to me at the Annual General Meeting on June 7, 2017 at the ECFS Conference in Seville. **Please note, that I am only in Seville for the Pre Conference Course and the AGM**

In both cases, the currency must be in EURO and you will receive a receipt.

Should another person be in charge of making the payment please pass this information on to them.

The balance of the IPG/CF on May 2, 2017 was 4513.08 Euro.

Thank you very much for your cooperation. If you need information or have a question don't hesitate to contact me.

Kind regards,

Peter Suter

IPG/CF Treasurer Peter.Suter@usb.ch



IPGCF June 2016-June 2017 ANNUAL REPORTS FOR MEMBER COUNTRIES

Annual report from Austria 2016-2017

There are 15 CF centers in Austria, caring for approx. 800 CF patients in in- and outpatient settings in multidisciplinary teams. In addition, there are 2 centers for rehabilitation specialized in CF. The group of CF-physiotherapists includes approx. 50 members.

There is at least an annual meeting of the group and additionally meetings of the Austrian group of cardiorespiratory physiotherapists within the framework of the Austrian Society of Pneumology. Presently, there are efforts to integrate CF-physiotherapists who are not specialized in pneumology but working with CF patients (mostly from small centers), in this group, with the aim to increase nationwide quality standards in the daily treatment routine with CF patients. The group actively contributes with lectures and symposia to the annual conference of the Austrian Society of Pneumology as well as to international CF meetings. There are also several advanced training courses to teach and train colleagues, patients and their relatives.

Annual report from Sweden 2016-2017

There are currently 4 centers with totally 670 patients with CF in Sweden, the majority (60-65%) are adults (>18years).

1) Projects:

- "Our future": This project continues. To get involved the young patients (8-16 years) more in the treatment of their disease. Staff members and the patients have met through video conferences (via Skype), where have listened and discussed the disease, treatment, and future.
- "Genia": The other project has been the App "Genia". The goal with this App is to give the patients a better control over the disease, and to have an easy way to submit data to a register ahead of a visit to the clinic. The last update is a new function called: "Under the meeting " where we, together with the patient summarized what we have discussed during the meeting.

2) Education:

- Within the country there have been education opportunities for patients and parents at the centers.
- National educational days for the staff members at Uppsala.
- National meeting or video conference (once a month) where physiotherapist working with children patients discuss about different topics.
- One recreational week in Mallorca for teenagers was arranged by two physiotherapists.

3) Conference:

- Some of the physiotherapists will attend the ECFS Sevilla 2016 with oral and poster presentation. Some attended the NACFS Orlando 2016 conferences, with and without own presentations.
- Nordic meeting in Stockholm, Sweden in September 2016 for physiotherapist working with CF. Bacteriology, physiotherapy from the diagnosis, inhalation therapy followed by discussions, treatment differences and similarities in our countries.

Exercise in CF: from evaluation to prescription

Tuesday 6th June & Wednesday 7th June

This course is intended for physiotherapists, physical or respiratory therapists interested in Exercise evaluation and prescription in cystic fibrosis. This course will be a stimulating and interactive approach to Exercise in CF.

Tuesday 6th June, 8.30 - 17.00

- Introduction: Why is testing critical? (Frank Cerny)
- Metabolic response to exercise (Frank Cerny)
- Pulmonary response to exercise (Helge Hebestreit)
- Cardiovascular response to exercise (Frank Cerny)
- Exercise testing: protocols. (Helge Hebestreit)
- Cardio pulmonary exercise test: interpretation. Other tests (field test). Case discussions. (Helge Hebestreit)
- Activity/exercise counseling practice. Different ages. New perspectives. Videos. Questions (Frank Cerny)
- Motivational interviewing: Application. (Frank Cerny)

Wednesday 7th June 2017, 8.15 - 12.35

- Exercise in children: Basic principles, exercise as daily routine, indications from babies to adolescent. (Irene Maguire)
- Exercise in: ECMO. ICU. (Brenda Button)
- Exercise in: pre-post transplantation. What to exercise before and after transplantation? (Laura Muelas)
- Exercise during complications: Pneumothorax, hemoptysis. (Brenda Button)
- Adherence to exercise. (Trudy Havermans and MyriamVreys).
- Exercise in adults: Management of the in-out patient. How to organize the exercise at the hospital. (Margareta Sahlberg).
- Home-care and exercise (Ana Rocha)

Extra registration for the pre-conference courses applies

Please note to attend the courses mentioned above, extra registration is required. Limited seats available, please visit the [ECFS website](https://www.ecfs.eu/seville2017/registration-information) <https://www.ecfs.eu/seville2017/registration-information> to register.

Time to get inspired about our challenging complex cases and share in the clinical reasoning with your colleagues around the globe!

Wednesday 7th June, 14.30-17.00

Room: Bruselas

https://www.ecfs.eu/sites/default/files/conferences/2017seville/03_Physiotherapy%20Case%20Presentations.pdf

- 1/ Come and support our presentors this year. The more minds we have present, the greater the discussion.
- 2/ Reflect on your clinical experience and the case you will submit next year.

 **PHYSIOTHERAPY SYMPOSIUM, WORKSHOPS AND MEET THE EXPERTS**

Sevilla, 2017

Physiotherapy Symposium - S11 What does personalised medicine mean for the physiotherapist?

Thursday 8th June, 10.30-12.00, Auditorium 3

Adapting to the spectrum of disease from asymptomatic to severe disease

Ruth Dentice, Sydney, Australia

Innovative approaches to service delivery

Helen Parrott, London, United Kingdom

Novel physiotherapy strategies: new devices, new approaches

Maggie McIlwaine, Vancouver, Canada

The lost art of education

Mark Elkins, Sydney, Australia

Physiotherapy Workshop – WS04 Highlights on Exercise

Thursday 8th June, 15.00-16.30, Room: Madrid

Meet the Experts – Exercise and Bone

Friday 9th June, 07.15-08.15

(Extra registration is required! 45€ fee)

ePoster Session Physiotherapy - Bringing CF care into the 21st century

Friday 9th June, 14.00-15.00, ePoster Corners

Physiotherapy Workshop – WS16 Assessments in physiotherapy

Friday 9th June, 15.00-16.00, Room: Madrid

FOOD FOR THOUGHTS

[Variation in lung function as a marker of adherence to oral and inhaled medication in cystic fibrosis.](#)

White H, Shaw N, Denman S, Pollard K, Wynne S, Peckham DG.

Eur Respir J. 2017 Mar 8;49(3). pii: 1600987. doi: 10.1183/13993003.00987-2016. Print 2017 Mar.

PMID: 28275171

[Effects of treadmill exercise versus Flutter® on respiratory flow and sputum properties in adults with cystic fibrosis: a randomised, controlled, cross-over trial](#)

Tiffany J. Dwyer, Rahizan Zainuddin, Evangelia Daviskas, Peter T. P. Bye, Jennifer A. Alison

BMC Pulm Med. 2017; 17: 14. Published online 2017 Jan 11. doi: 10.1186/s12890-016-0360-8

PMCID: PMC5225514

[Individualized supervised resistance training during nebulization in adults with cystic fibrosis](#)

Ina Shaw, Janine E. Kinsey, Roxanne Richards, Brandon S. Shaw

Pak J Med Sci. 2016 Sep-Oct; 32(5): 1152–1157. doi: 10.12669/pjms.325.9960

PMCID: PMC5103124

[Timing of hypertonic saline and airway clearance techniques in adults with cystic fibrosis during pulmonary exacerbation: pilot data from a randomised crossover study](#)

Katherine O'Neill, Fidelma Moran, Michael M Tunney, J Stuart Elborn, Ian Bradbury, Damian G Downey, Jackie Rendall, Judy M Bradley

BMJ Open Respir Res. 2017; 4(1): e000168. Published online 2017 Jan 12. doi: 10.1136/bmjresp-2016-000168

PMCID: PMC5253607

[Exercise capacity following a percutaneous endoscopic gastrostomy in a young female with cystic fibrosis: a case report](#)

Owen W. Tomlinson, Alan R. Barker, Patrick J. Oades, Craig A. Williams

Physiol Rep. 2016 Aug; 4(16): e12904. Published online 2016 Aug 22. doi: 10.14814/phy2.12904

PMCID: PMC5002912

[When Women with Cystic Fibrosis Become Mothers: Psychosocial Impact and Adjustments](#)

Sophie L. Cammidge, Alistair J. A. Duff, Gary J. Latchford, Christine Etherington

Pulm Med. 2016; 2016: 9458980. Published online 2016 Nov 23. doi: 10.1155/2016/9458980

PMCID: PMC5141562

Please feel free to provide feedback and forward your suggestions or content to the IPG/CF secretary - marlies.wagner@medunigraz.at . Distribute this widely, and enjoy