

### President and Treasurer's Annual Report, 2014 – 2015 Ines Boechat, Timothy Cain



Mission Statement (2012): WFPI provides an international platform for pediatric radiology organizations united to address the challenges in global pediatric imaging training and the delivery of services.



### **STRATEGIC PRIORITIES**

- Communication and collaboration between pediatric imaging practitioners, via their organizations
- Advocating for appropriate practices and resource allocation for children (including patient safety)
- Education
- Outreach and training in lower resource settings
- Research
- Sharing information



# Communication, collaboration: **Bylaws changes** Steered by Tim Cain, Membership Secretary



- Voting completed and motions have been passed to allow the following:
  - Introduce a new membership category of "Associate Members"
  - reduce each Member Organization number of votes from 3 to 1
  - Modify the text from "National and Supranational Members" to National/Supranational
  - Reduce the quorum waiver for e-ballot voting period from 60 working days to 30 calendar days, but with weekly reminders



# Comunication, collaboration Membership, expansion Steered by Tim Cain, Membership Secretary

- FAARDIT (Argentina) application can now be accepted
- Others can now be approached and encouraged

WFPI

e stip:

Sociátó Eranconhone (Tima

South African Society (

 Leverage International Day of Radiology 2015 Pediatrics

FEDERACIÓN ARGENTINA DE ASOCIACIONES DE RADIOLOGÍA DIAGNÓSTICO POR IMÁGENES Y TERAPIA RADIANTI

National/supranational organization members: sufficiently represented & engaged?



# Communication, collaboration Cross-regional groups (1)



President, Vice President, Secretary, Vice Secretary, Treasurer, Vice Treasurer, Acting Treasurer/Membership Secretary, AfSPI Representative (ex-officio)



2

A.

- Since Nov 2014, meets monthly (online)
- Addressed bylaws revision, membership, legal status, institutional identity, strategic priorities, outreach affiliation criteria/ process, outreach budget, ultrasound
- Steered a process of "taking stock": WFPI at three years, what future?
- Provides budgetary and project oversight

#### Turnover June 2015: President (ESPR) and Vice President (SLARP)

#### Founding President to remain EXCOM chair





EXCOM









# Communication, collaboration Cross-regional groups (2)



#### WFPI meetings

- Annual Members Meetings
- Others are hard to organize timezones, presence....
- To date, onsite and online at RSNA. 2014 theme: "What are we sharing? Are we crossing the resource divide?"





# Communication, collaboration Cross-regional groups(3)



### Education:



- <section-header>
- Online video library steering committee

Web content



Case of the Week



# Communication, collaboration Cross-regional groups (4)

#### Outreach



#### Leader: Cicero Silva

Overview and steering of WFPI outreach work is currently provided by WFPI's Executive Committee (key Council members).

#### Project leaders:

- Indira Ghandi Institute of Child Health, Bangalore, India: Cicero Silva
- Khayelitsha Hospital, Western Cape, South Africa: Savvas Andronikou/Stanford University (Richard Barth)
- Latin America: network development, tele-reading installation with health facilities in Peru, Colombia, Guatemala: Ramon Sanchez
- Malawi: teaching and tele-reading support (focus: PoC US), development of future partnership with Imaging the World in Malawi: Tracy Kilborn
- Médecins Sans Frontières/Doctors without Borders: Savvas Andronikou
- Point of Care Ultrasound research, teaching: Savvas Andronikou, Tracy Kilborn, Jaishree Naidoo, Ramon Sanchez
- Cambodia: Veronica Donoghue, Eva Kis;
- · [Start-ups] Palestine: Aadil Ahmed; Central Europe: Erich Sorantin; West Indies: Ramon Sanchez, Pamela Deaver

#### Note: crossover with workforce training/Education group, in particular

Ethiopia: Kassa Darge Haiti: Dorothy Bulas, Jennifer Nicholas, Marthe Munden, Rebecca Stein-Wexler Mozambique: Ines Boechat, Ricardo Faingold, Caroline Guimaraes



# Communication, collaboration Cross-regional groups (5)



Outreach focus points

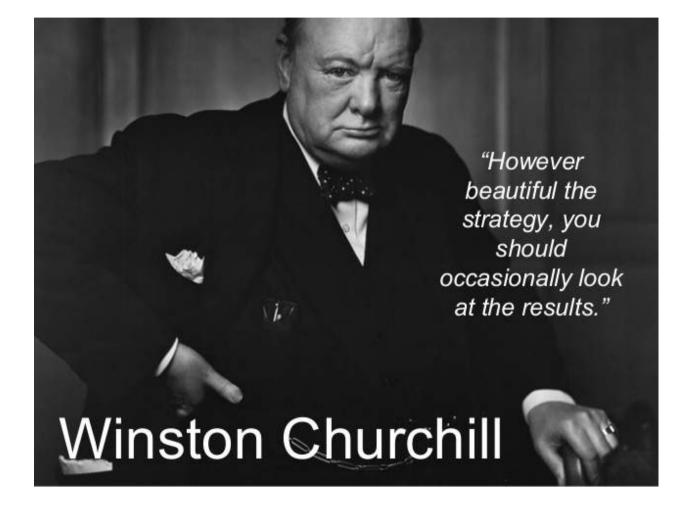


Ultrasound network



TB network: reactivation







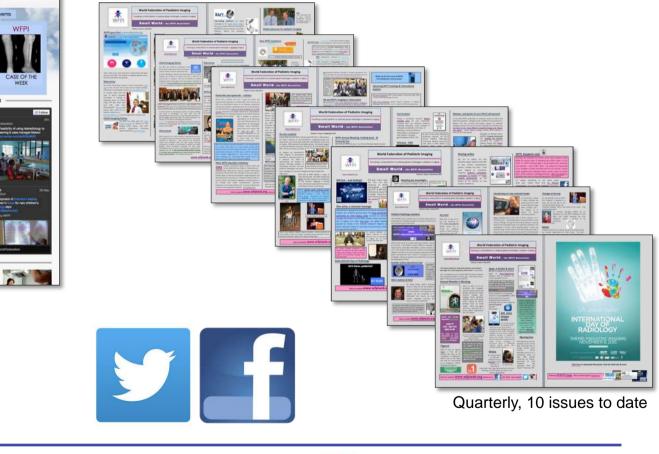
### Website Sanjay Prabhu



# Communication, collaboration











Website

- 6000 users
- 22,300 page views

**Users** 

- 8100 sessions
- Viewed from 150 countries
- Desktop 78%, mobile 13%, tablet 9%

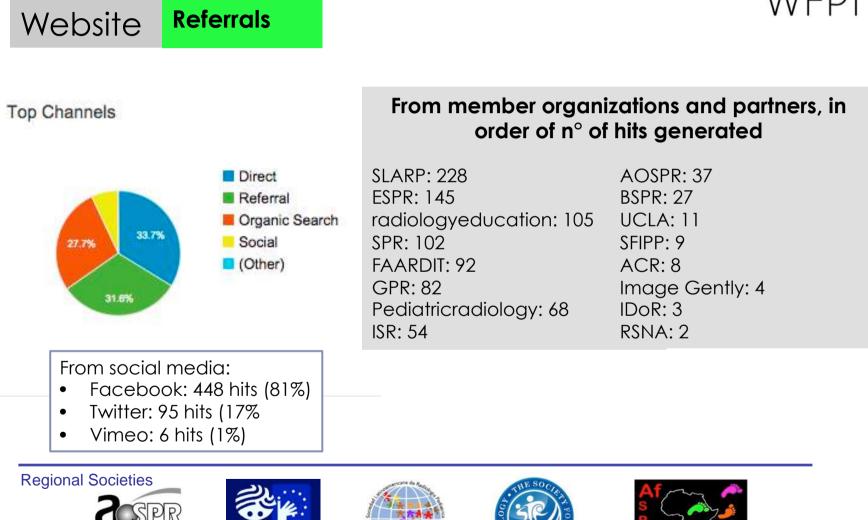




Age			10	0% of total	sessions
27. <mark>5</mark> 0%	33.50%	15.50%	12.50%	5.50%	5.50%
18-24	25-34	35-44	45-54	55-64	65+

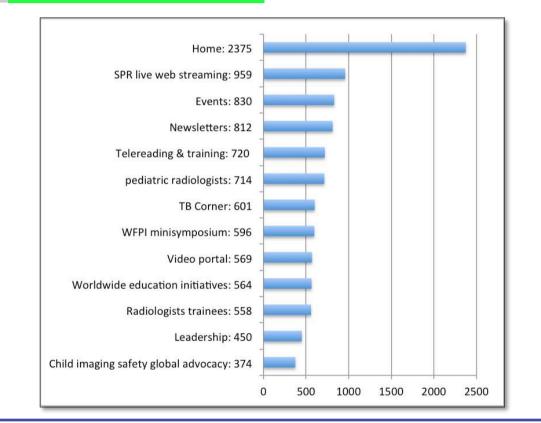
Founding Societies

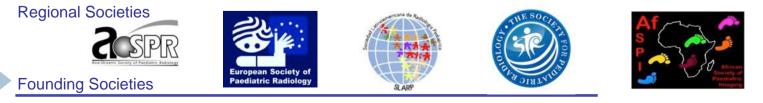




Website











Facebook Profiles

- 1022 likes
- From 60+ countries

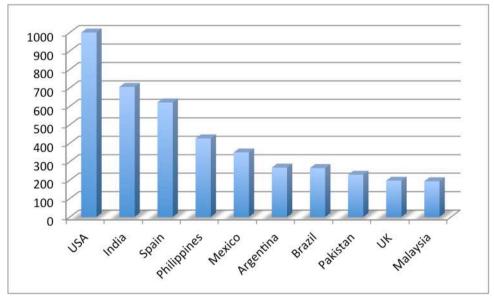




Facebook

Reach

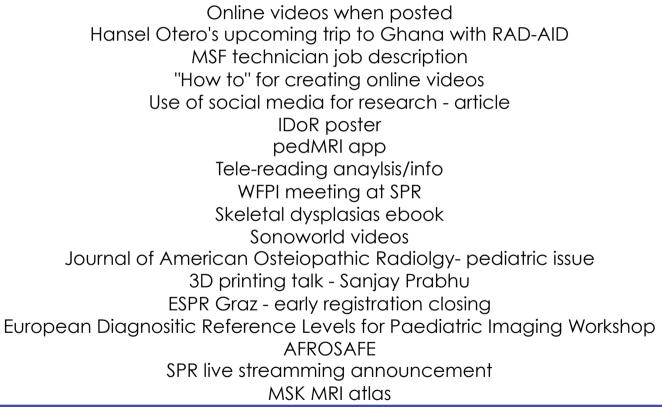
Reach for posts during ONE MONTH, April 19–May 18 2015, top 10 countries



Worthy of note: our reach includes Israel, Egypt, Nigeria, South Africa, Greece, Saudi Arabia, UAE, Qatar, Singapore, Turkey, Kuwait, Ukraine, Romania, Syria & all over Latin America & Europe



Facebook Other popular posts







### Twitter



- 54 followers
- Common to have less followers on Twitter than on Facebook
- Nonetheless looking for a significant rise
- Now feeding through WFPI's website home page: sets the tone
- Micheal Breen joined the team







# What is guiding us?

#### The Great Leveller



- > 6 billion people have access to mobile phones, while only 4.5 billion have access to working toilets (UN report)
- > One billion mobile phones in China & India.
- Africa is home to twice as many mobile phones as the United States.
- Developing countries accounted for 80 percent of new mobile subscriptions in 2011, with the number of Internet users doubling over a four year period.





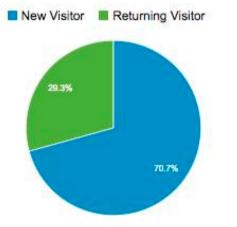
### **Education** Dorothy Bulas, George Tayor, Sanjay Prabhu



## Education: web pages

WFPI

- Pediatric radiologist and radiologist/ trainee pages: quite popular
- Other health professionals: less traffic
- More structure on building up web content needed to improve return rate







### Education: Online video library (1)



A joint WFPI-SPR initiative Aims to provide ready access to quality pediatric radiology education to everyone involved in the care of children around the world.



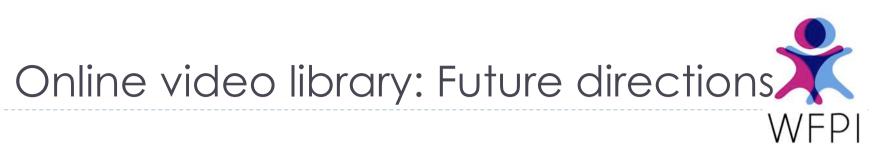
# Education: Online video library (2)



- 1523 views of 11 videos on YouTube in 4 months
- 283 views of 2 videos directly embedded into Facebook
- Most viewed: Introduction to Pediatric Chest Radiolgraph
- Cross-regional steering committee







- Curriculum-based video creation
- Worldwide participation
- Translation into other languages
- Talks recorded in other languages
- Participation from member organizations
- Regular review of talks for content relevance



# Education: Case of the Week (1)





Access channels: Instagram, Twitter, Facebook, Figure1, website







# Education: Case of the Week (2)

Date	Reach	Engagement	Likes	Case description	
1 February 14	1500	343	35	20 mth male with development pbms, brain	
8 February 15	1200	356	33	Fever and lump on head	
15 February 15	367	64	10	Eponymous fracture	
22 February 15	536	44	24	Lung	
1 March 15	752	144	11	Cheek swelling	
8 March 15	584	126	8	hypogonadotropic hypogonadism and hearing loss?	
11 March 15	585	105	22	Newborn, bilious vomiting	
15 March 15	727	149	13	Abdominal mass	
22 March 15	141	19	4	Absent septum pellucidum	
30 March 15	420	103	4	Knee pain after injury	
30 March 15 cont.	1100	91	26	MRI for knee injury	
6 April 2015	1200	221	14	Newborn, chest mass on prenatal US	
13 April 2015	1100	212	20	10 yr old abnormal movements	
21 April 2015	119	22	3	Young teenager with deletion of Chromosome 9	
26 April 2015	2300	682	37	8 yr old male with history of longstanding "asthma"	
30 April 2015	1300	212	30	3 yr old female abdominal distention and plapable	
4 May 2015	413	103	11	2 year old infant fell to hard surface	
12 May 2015	461	101	11	What abnormality is seen on this young child's CXR?	
18 May 2015	759	73	14	Radiographs knees 10 mth old child	
TOTAL	15564	3170	330		



# Case of the week: details



- Why bother? Demand for case based learning, greater retention with case-based approaches & decreasing attention spans
- Why social media? Greater reach, ready-made distribution tools, mostly free
- Challenges and opportunities
- Future directions- case compilations, e-books, more frequent cases
- IDoR



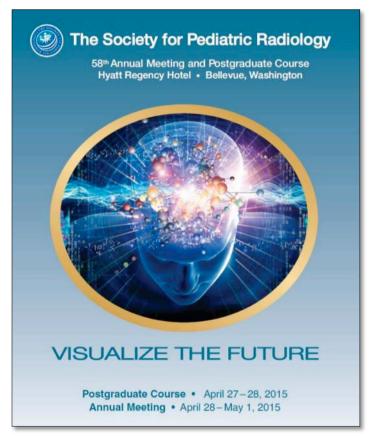
# Education: IDoR/Case of the Week collaboration with Radiopaedia

Add Pages							
Page		Total Page Likes	From last week	Posts This Week	Engagement This Week		
1	Radiopaedia.org	340.2K	▲0.3%	13	11K		
2	RadioGraphics	12.4K	<b>▲</b> 0.7%	3	44		
3	The Society for Pediatri	2.1K	<mark>▲ 0.5</mark> %	10	RSNA: 51k MyESR: 156k		
4	American Society of Ne	1.7K	0%	0	AuntMinnie: 7.5		

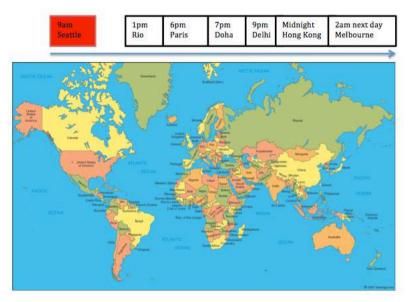


# Education: web streaming





- Second most visited page on WFPI's website.....
- International attendance: 51. Timezones...





# Outreach: telereading



MSF/Doctors without Borders

2013: 120+ reads for 3 WFPI readers

<u>2014</u>: on the rise

- group of pediatric imaging readers expanded – data on MSF platform
- For Savvas Andronikou alone: Jan to May 2015: 40 reads compared to June Dec 2014: 5 reads. CXR for TB & other (last 7 days: spine for trauma, abdominal radiograph with free air)

WFPI

Other pediatric radiologist MSF readers: Elizabeth Joekes, Karen Chetkuti, William Brant, Kieran McHugh, Laurent Garel, Arzu Kovanlikaya. To be joined by Anne Geoffray, Farooq Chaudhry & Ron Cohen



# Outreach: telereading



Multi-country, access to e.g. vast HIV cohorts, offers an NGO interface that can overcome MoH infrastructural/ financial/other issues.



> Undergoing an internal boost: results to be ascertained...

"The important thing is trying to link the imaging findings to the clinical picture to help the field staff - provide more than just the basic radiographic appearance. I understand this is not always possible, but in these situation a few words to that effect goes a long way"



Angkor Hospital for Children, Cambodia Since Nov 2014, WFPI has given opinions on 24 cases, largely on plain radiographs and contrast exams with only a couple of Ultrasound studies. Opinions were returned within 24 hours (often sooner).

**Regional Societies** 













# Outreach: telereading



- > Indira Ghandi Institute of Child's Health, Bangalore, India
  - Via SUSTOL platform, 36 referrals; mostly chest CTs, a few abdominal CTs, a few head CTs; Via CT platform, 8 referrals; mostly CT chest (infection, congenital), a few CT head (mostly perinatal hypoxia)

#### > Maputo Central Hospital, Mozambique:

- > 9 referrals; mostly CT chest: infection, congenital
- > Stanford-Khayelitsha:
  - > Previously by mail. Via CT platform, 2 referrals; XR chest: infection

#### > Nasser Hospital for Children, Palestine

> 1 case; XR chest: surfactant deficiency





#### Bustamante Children's Hospital

2 referrals; MR brain and spine: tumor, multiple sclerosis. MRI machine broken down for weeks.

#### > Hospital de Cobán, Alta Varapaz, Guatemala

- Average of 1 referral/month via WHATSAPP, combination of plain film cases, CT and MRI. More X Ray than anything else.
- > Wendy Fitzwilliam Paediatric Hospital (Trinidad and Tobago):
  - > 1 case; XR pelvis: femoroacetabular impingement

#### > Centro de Salud Santa Clotilde (Peru):

> 4 cases; CT head, CT chest, XR chest, US fetus: varied pathology

# Outreach

#### **WFPI's tele-tools**



#### Our platform: Collegium Telemedicus

Free, web-based, no DICOM viewer

- ➢ Legal issues addressed
- Uptake excrutiatingly slow
  - slow bandwidth, MoH staff access to computers, ... (we need more understanding)

#### Research

 If the mountain won't come to Mohammed ..... Research protocol under development: using smart phones (UBIQUITOUS) for tele-referrals – quality of jpeg and dicom images









# Outreach



### **Onsite teaching/training**

- > Malawi July 2014, Uganda August 2014: WFPI/Imaging the World
- > Ghana May 2015, Hansel Otero (RAD-AID/WFPI)

### **Upcoming:**

- Bustamante Children's Hospital Kingston Jamaica,
   Dr. Pamela Deaver, July 2015
- > ACR/Haiti: Jennifer Nicholas, July 2015

Future opportunities via RAD-AID? Funding an issue for all

Radiology serving the world

> CHOP/Kassa Darge's fellowship program, Addis Ababa Uni, Ethiopia



Outreach: Ultrasound for lower resource settings - what am I here



to do? Savvas Andronikou

- Announce that I have been asked to spearhead a movement to promote US for lower resource settings
- Display spectrum of possibilities by showing existing activity in WFPI
- Identify possibilities for future WFPI engagement
- Generate interest, discussion and individual involvement under the WFPI umbrella



# Outreach: **action** in ultrasound for lower resource settings

Julie Hurteau The world Sabine Belard





Courses in the morning and ultrasounds on true ill patients in the afternoon... "it was very interesting for Anne and me to meet all these young physicians who wanted to learn."

Drs. Edith Rivoal / Anne Geoffray with the Rwandan Minister of Health, Dr. Agnes Binagwaho



UNANIMOUS AGREEMENT: onsite training is a necessity (online training alone is not enough)



Tracy Kilborn

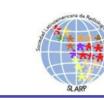
Founding Societies



Ramon Sanches







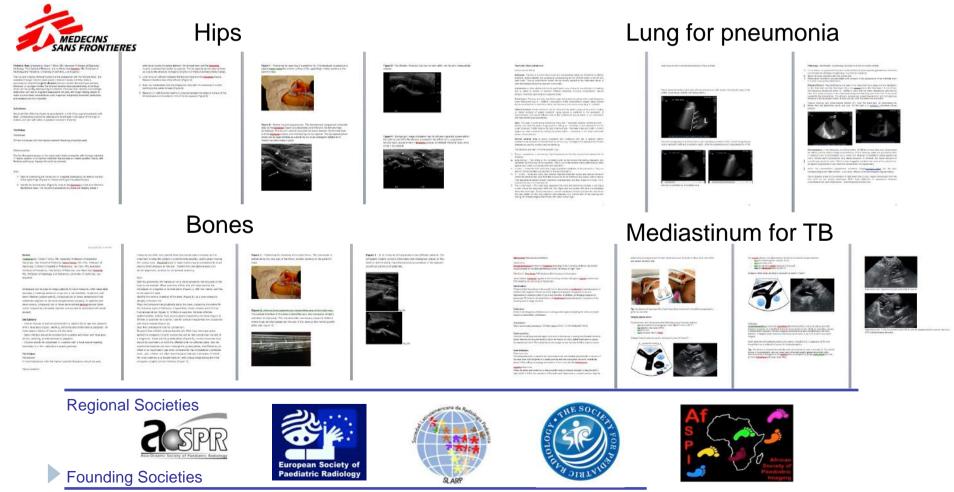






# Outreach : Educational support in ultrasound for lower resource settings

MSF/DWB US Manual - draft: ".... we are looking for a practical guide to help clinicians who often have limited access to other diagnostic means in decision making. It will mostly be to help solve / prove specific clinical questions and usually for gross pathology i.e. the target audience won't be native English speaking radiologists".



# Outreach: **Research support** in ultrasound for lower resource settings $\mathbf{X}$





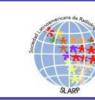


- WFPI members engaged in research
- WFPI using the results of this research
- Support research by offering distance reading / equipment / results review / writing





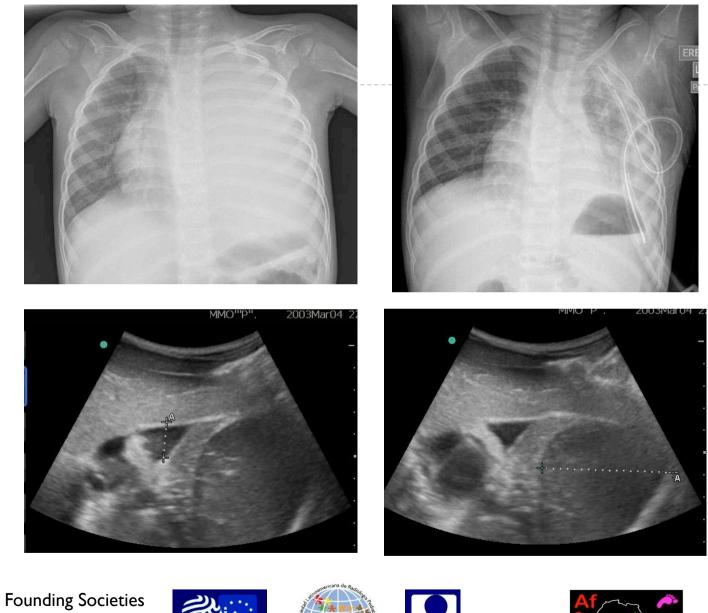
























Outreach: How do we support ultrasound in lower resource settings?

WFPI

- Log activities
- List names
- Link to information
- Literature specific to interests
- Lubricate communication
- Louder presentations at congress
- Laos support new funded projects 2016



### Outreach: future plans

!!! Reinvigorate TB work !!!



#### And keep

 building up partnerships with individuals, organizations or institutions

CHILDHOOD

BERNARD F. LAYA, MD, DO Associate Professor of Radiology e's Medical Center-Global City, Phili

St. Luke's

UBERCULOSIS

connecting left hand with right

so as to harness opportunities, bolt on and inject pediatric imaging expertise into imaging outreach initiatives whenever possible.





#### Outreach: the octopus at work





#### Lao Friends Hospital for Children

Opened Feb 2015 by Friends without a Border (also opened Angkor HC, Cambodia). First full-service pediatric hospital in northern Laos: IPD, OPD, 24 beds, emergency room, ICU, op. theater, lab, pharmacy, radiology.

- RAD-AID pediatric assessment visit May '15, Dr Michael Reiter.
- RAD-AID visit promoted via WFPI social media
- Post-visit: contact with WFPI for tele-reading
- Independently, WFPI contacted by future LFCH volunteer, Dr. Ramdas Senasi from UK: put in touch with Dr. Reiter/RAD-AID and WFPI's US and TB experts, will join the telereading team, will meet Savvas via BSPR, ... [Comunication & collaboration among physicians...]





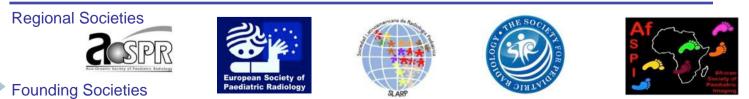
#### Advocacy (2) - International Day of Radiology: PEDIATRICS













Lets celebrate together! INTERNATIONAL DAY OF RADIOLOGY

THEME: PAEDIATRIC IMAGING NOVEMBER 8, 2015

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## Child Imaging safety (1)





Aim: secure communication and collaboration between pediatric imaging practitioners via organizations advocating for appropriate practices and resource allocation for children. How? Partnership with the Alliance for Radiation Safety in Pediatric Imaging and active participant in the Image Gently campaign, helping to build a framework for a d d r e s s i n g international child imaging safety needs.

#### Objectives

1/ support and enhance the IG Alliance and the work of other societies and agencies throughout the world in the goal of promoting radiation protection for children worldwide

2/ ensure WFPI's international reach extends to the Alliance and secure the Alliance's input into WFPI focus areas such as radiation safety and region-specific recommendations on radiation protection for children.

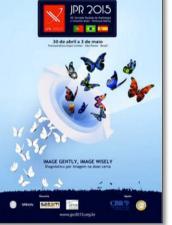


# Child Imaging safety<sub>(2)</sub>international meetings with/for





Drs. Kimberly Applegate and Jaishree Naidoo



Drs. Donald Frush & Ines Boechat



This session brings together palisymmeters, kealth care providers and patients to jointly aliacuse what can be done to improve health and service delivery by maximising th benefits and minimissing the risks when using medical imaging in children and how this can be achieved.



Drs. Gloria Soto and Donald Frush



Dr. Osamu Myazaki, NIRS-WHO, Tokyo, Dec 14





Dr.Ademola Aekanmi, IAEA-WHO-Govt of Tanzania Nov 2014 Drs. Glorid Soto and

# Taking stock - "WFPI: What Future?"

- See here for thought-provoking statements from the 5 regional societies that govern WFPI.
- Discussions beginning with our national and supranational societies

http://www.wfpiweb.org/Portals/7/Workrooms/ Feedback,%20regional%20boards%20-%20%20WFPI,%20what %20future-.compressed.pdf









#### **Treasurer's Report** Timothy Cain Acting Treasurer







- Accounts presented for Jan 1<sup>st</sup> Dec 31<sup>st</sup> 2014
   US Financial year
- 2015 revenue and expenditure estimates also presented
- Currency: \$US





- > SPR:
  - > staff time, software and tools (website host, GTM licence)
  - access to SPR/ACR Service Agreement (accounts, IT, legal)
- > Physician volunteer & WFPI partner time
  - > Council
  - > Working groups
  - > Project volunteers



# Definition - PROJECT COSTS



All work put into meeting WFPI's goals:

Communication and collaboration between pediatric imaging practitioners, via their organizations

>Advocating for appropriate practices and resource allocation for children

Education

>Patient safety, in particular radiation safety and protection

- >Outreach and training in lower resource settings
- ≻Research

>Information sharing



# Definition – Operating Costs



All costs flowing from <u>institutional performance</u>, largely staff support for:

governance (Executive Committee & full Council)
 institutional communications – website, newsletter, social media, other – and the tools/maintenance they entail
 Direct project support to project leaders and volunteer pools



Opening Balance 2014 correc	ction
Reported Closing balance 2013	WFPI <b>62.45 k</b>
SPR capital injection 2014 not 2013	- 25 k
Delayed salary payment	-7.8 k
ACR accounting "fine tuning"	1.3 k
Actual opening balance 2014	46.55 k
Regional Societies	Af s P s s s s s s s s s s s s s s s s s

SLARP

European Society of Paediatric Radiology

Founding Societies

#### Income 2014



<ul> <li>Member society fees</li> </ul>	2.02 k	
SPR capital injection 2012 and 2013	50 k	
SPR Parker Allen funds	67 k	
ESPR capital injection 2014	25 k	
Individual donations	1 k	
Pfizer: film, research in Africa	5 k	
TOTAL = \$U\$ 150.02 k		



### Expenditures 2014

#### Project costs:

- Volunteers & WFPI partner hours
- Malawi assessment & teaching trip
- Pfizer film: editing, site costs
- Project staff support (gross)

#### Operating costs:

- Website migration costs
- Staff costs

5 k 10.4 k **\$US 16.59 k** 1.18 k 20.8 k **\$US 21.98 k Total = \$US 38.57 k** 

0 k

1.19 k





Balance 2014	
Opening balance 2014	WFPI 46.55 k
Income	150.02 k
Expenditures	38.57 k
Closing balance 2014	158 k
Parker Allen funds held in trust	67 k
Regional Societies	Af S C African Becity of Annean Becity of Becity of Becity of Becity of Becity of Becity

Projected balance 2015	
Opening balance 2015	VVEPI 158 k
Income (estimated)	12 k
Expenditures (estimated)	42 k
Closing balance 2015 (estimated)	128 k
Note Parker Allen funds held in trust	67 k
Regional Societies	Af S C C African Becally of Becally of Becally of Becally of Becally of Becally of Becally of Becall of Becall

#### THANK YOU!



# "An ant on the move does more than a dozing ox" - Lao Tzu





## COUNCIL CHANGES: OUTGOING





Founding President: Ines Boechat, becomes Past President

Founding Secretary: Wendy Lam



Representative Director SLARP: Pedro Daltro





## COUNCIL CHANGES: INCOMING





Vice-President Veronica Donoghue: becomes President



Jaishree Naidoo becomes Vice Secretary



Gloria Soto: becomes Vice President:



Timothy Cain: becomes Treasurer (acting to date)



Vice Secretary Dorothy Bulas becomes Secretary

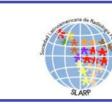


Representative Director SLAPR: Alexandro Monteiro













### Voting representatives



AfSPI: Gladys Mwango

AOSPR: Wendy Lam

ESPR: Veronica Donoghue

SLARP: Celia Ferrari

SPR: Ines Boechat

BSPR: Katharine Halliday

GPR: Michael Riccabona

ISPR: Akshay Saxena

SASPI: Aadil Ahmed/

Savvas Andronikou

SERPE: Ignasi Barber

SFIPP: Catherine Adamsbaum

SPIN: Omolola Atalabi

