

# EAE Echo Accreditation

Dr Kevin Fox  
Accreditation Project Lead, EAE Board

[www.escardio.org/EAE](http://www.escardio.org/EAE)



# Why did the EAE develop Accreditation?

*To raise the standard of echo in Europe*

- By encouraging learning
- By developing training laboratories
- Encouraging educational programmes
- To protect patients

# EAE Accreditations

- Adult TTE
  - Launched 2002
- Adult TEE (with EACTA)
  - Launched 2005
- Echo for Congenital Disease (with AEPC)
  - Launched 2006
- Laboratory Accreditation
  - Launched 2009 (pilot centres 2008)

# Why seek Accreditation?

## Individual

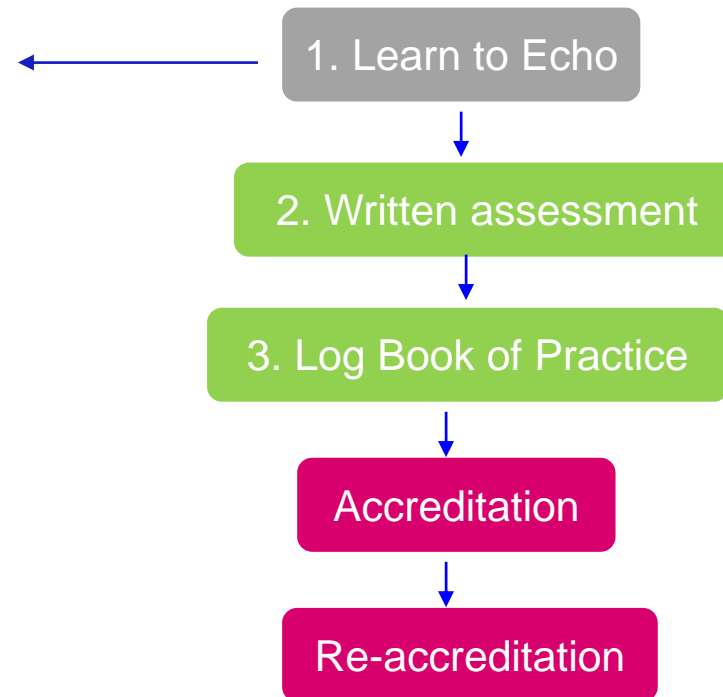
- Personal achievement
- Enhances skill
- Documentation of knowledge and skill (revalidation)
- 'Marketability'

## Laboratory

- Statement of quality
- Promotes quality in the dept
- Facilitates revalidation (relicensing) of staff
- Raises profile of echo lab within the hospital
  - supports adequate resources
- 'Marketability' eg purchasers, reimbursement

# How do you achieve Individual Accreditation?

- Good supervisor
- Broad exposure
- Courses / conferences and books



## The KBA or exam

- 100 SBA MCQs on theoretical knowledge
- 50 SBA MCQs on image reporting
- In English with glossary of key terms in main European languages

## The Log Book (practical experience)

- 250 cases TTE, CHD, (125 for TEE)
  - Covering the main pathologies
  - Supervisor key role
- *Current system*
  - *Submit log book of reports*
  - *15 cases selected for grading*
- New E-Logbook web based system  
(2009: TTE and TEE)
  - Submit 6 cases including uploading images
  - Graded on line
- DOPS for CHD

# Screen shot of new E-logbook

Log books - TTE09020026-LYO - Windows Internet Explorer  
http://elogbookeae.escardio.org/Lists/Log%20books/DispForm.aspx?ID=101

For guidance or if you need more cases to make your decision, please refer to the user guide or contact [accreditationEAE@escardio.org](mailto:accreditationEAE@escardio.org)

### Attachments

Attachment #	Description
Attachment #0	PREXENS_ESC_ElectronicLogBook_MainWorkflow_v1-1.pdf Letter from the supervisor testifying that the candidate has performed and reported 250 clinical transthoracic cases
Attachment #1	Sample.pdf Letter from the supervisor documenting training and the review of studies undertaken by the candidate
Attachment #2	Sample.doc Summary sheet of the cases submitted

### Case grading

Evaluate each case	Case	Grade
	1	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
	2	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
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	5	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5
	6	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5

### Clinical cases

Uploaded clinical cases [Refresh]

- Case # :1 (1) Sample (2).avi
- Case # :2 (1) Sample (9).avi
- Case # :3 (1) Sample (7).avi
- Case # :4 (1) Sample (6).avi
- Case # :5 (1) Sample (4).avi
- Case # :6 (1) Sample (7)(2).avi

Video player: Playing 'videohandler': 788 K bits/second 00:03

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# But knowledge and skill have to be maintained - Reaccreditation

- 5 yearly renewal
- Evidence of ongoing practice
- Evidence of CME
  - Courses and conferences



# What have we achieved so far...

TTE	Written Exam participants	Written exams passed (pax/%)	Log books submitted	Log books passed	Failed log books
EE7	106	90 (85)	89	87	2
EE8	55	47 (85)	43	41	2
EE9	48	31 (65)	30	28	1
ESC 2004 (Munich)	13	10 (77)	9	9	0
ESC 2005 (Stockholm)	10	7 (70)	7	7	0
WCC 2006 (Barcelona)	15	10 (67)	10	8	0
EE10 (Prague)	41	23 (64)	22	14	2
ESC 2007 (Vienna)	29	19 (65,5)	15	10	0
EE 2007 (Lisbon)**	71	56 (79)	43	23	
ESC 2008 (Munich)	39	31 (79,5)	4	3	
EE 2008 (Lyon)	86	75 (87)	2		
ESC 2009 (Barcelona)					
<b>TOTAL</b>	<b>513</b>	<b>399 (78)</b>	<b>274</b>	<b>230</b>	<b>7</b>

TEE	Written Exam participants	Written exams passed (pax/%)	Log books submitted	Log books passed	Failed log books					
EACTA 2005 (Montpellier)	32	29 (78)	25	24		CHD				
EE9 (Florence)	45	37 (82)	34	25		Written Exam participants	Written exams passed (pax/%)	Log books submitted	Log books passed	Fail b
EACTA 2006 (Venice)	26	19 (73)	15	13		EE10 Prague	16	14(87)	9	8
EE10 Prague	37	30(76)	20	15		EE 2007 (Lisbon)**	14	11 (78,5)	10	6
EACTA 2007 (Krakow)	23	20 (87)	12	8		EE 2008 (Lyon)	26	19 (73)	1	
EE 2007 (Lisbon)**	51	43 (84)	27	18		<b>TOTAL</b>	<b>56</b>	<b>44 (78,5)</b>	<b>20</b>	<b>14</b>
EACTA 2008 (Antalya)	16	12 (75)	2	1						
EE 2008 (Lyon)	57	48 (84,5)	4	3						
EACTA 2009 (Athens)	52	--								
<b>TOTAL</b>	<b>339</b>	<b>238 (70,5)</b>	<b>139</b>	<b>107</b>	<b>13</b>					

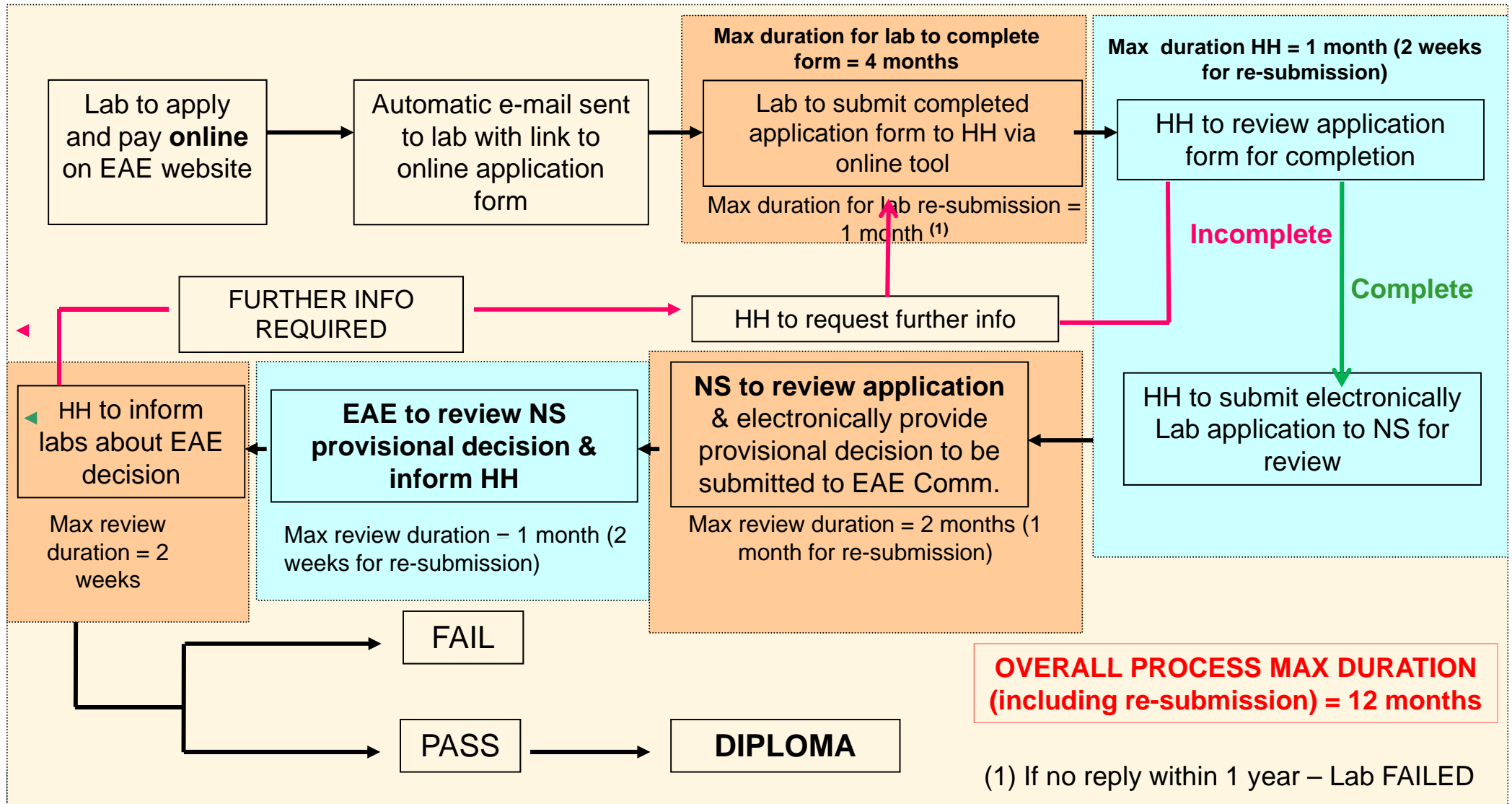
[www.escardio.org/EAE](http://www.escardio.org/EAE)

# How do you achieve Accreditation for your Laboratory?

[www.escardio.org/EAE](http://www.escardio.org/EAE)



# Laboratory Accreditation – the process



# Applying for Laboratory Accreditation – the standards

## EAE laboratory standards and accreditation

P. Nihoyannopoulos\*, Kevin Fox, Alan Fraser, Fausto Pinto,  
on behalf of the Laboratory Accreditation Committee of the EAE

Eur J Echocardiography (2006)



ESC > Communities > Echocardiography Association (EAE) > Accreditation > Laboratory Accreditation - Microsoft Internet Explorer pro

http://www.escardio.org/COMMUNITIES/EAE/ACCREDITATION/Pages/laboratory.aspx

ESC > Communities > Echocardiography Association (EAE) > Accreditation > Laboratory Accreditation

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Echocardiography Association (EAE)

Accreditation

Congenital Heart Disease Echocardiography

Adult Transesophageal Echocardiography

Adult Transthoracic Echocardiography

EAE and national Echo Accreditation mutual recognition

Re-accreditation in Transthoracic Echocardiography

EAE Accreditation Online Registration

Laboratory Accreditation

Highlight On

### Laboratory Accreditation

Accreditation of echocardiographic laboratories in Transthoracic (TTE), Transesophageal (TEE) and Stress Echocardiography

In 2009, following the success of the individual accreditation, the EAE launches the Laboratory Accreditation in TTE, TEE and Stress Echocardiography.

The EAE aims at setting up a European standard in laboratory practices and patient care.

[Aims](#) | [Accreditation Modules](#) | [Requirements](#) | [Registration](#) | [Process](#) | [FAQ](#)

#### Aims

Why would you benefit from receiving EAE Laboratory Accreditation?

- > The aim of the EAE Laboratory Accreditation process is to raise quality standards of practice and equipment across Europe in a uniform manner. It is also designed to be used as an educational tool to improve the overall quality of the laboratories.
- > The EAE Laboratory Accreditation process also serves as a precaution to staff working in echo laboratories from making an incorrect diagnosis and to protect patients from being given the wrong treatment. There is also a political arm to help departments negotiate purchases and upgrades of equipment with their local health authority.
- > What this process does not provide is a legal framework for practice but represents a

Expand your Vision

3D ECHO BOX

EAE Research Grant

Apply

start

Inbox - Microsoft Out...

RE: EAE Lab Accredit...

ESC > Communities > ...

Internet

100%

17:51

*NB: Temporary arrangements regarding the requirement for individually accredited staff. 2 year window for staff to obtain accreditation*

[www.escardio.org/EAE](http://www.escardio.org/EAE)

[www.escardio.org/COMMUNITIES/EAE/ACCREDITATION/Pages/laboratory.aspx](http://www.escardio.org/COMMUNITIES/EAE/ACCREDITATION/Pages/laboratory.aspx)

# Lab Accreditation

– successful departments in the pilot phase

- Greece
- Italy
- Germany
- Denmark
- France
- Romania

Pending:

Poland

Spain

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# Maintaining quality in the Accreditation Process

- Team based approach to exam setting, log book marking and departmental assessment
  - Psychometric analysis of MCQs
    - Difficulty and discrimination ability of each question
  - Audit and monitoring of log book marking
- Involving National Societies in Laboratory Accreditation

Eur J Echocardiography (2007) 8, 74–79



ELSEVIER

EAE DOCUMENTS

## Report on the European Association of Echocardiography Accreditations in Echocardiography: December 2003–September 2006

Kevin F. Fox\*, Bogdan A. Popescu, Sophie Janiszewski, P. Nihoyannopoulos, A.G. Fraser, F.J. Pinto

# How can you help?

- Promote accreditation
- Encourage applicants
- Volunteer MCQ writers and log book graders
- Volunteer reviewers for Lab Applications
- Feedback



# Encouraging Cooperation

- Reciprocity for Individual Accreditation
- Where countries have a national accreditation of a high standard
- The EAE is keen to negotiate a reciprocity arrangement
  - Exemption from sections of the process for those seeking individual accreditation
    - Eg the log book if applicants have done a national log book or equivalent
- Currently under discussion
  - UK (BSE) – awaiting final ratification
  - Georgian Echo Group



# EAE Accreditation in Echocardiography

- Recognised and respected qualification
- Improves your knowledge and skill
- And the quality of your department



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