

# Focused Acute Medicine Ultrasound

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# Overview

- Detail of training process
- Supervisors and mentors
- CPD
- Administration
- Questions

[www.acutemedicine.org.uk/FAMUS](http://www.acutemedicine.org.uk/FAMUS)



# Detail of training process

- FAMUS curriculum split into 4 parts:
- One theoretical module, and 3 practical modules

# Theoretical module

- Attendance at FAMUS approved practical course
- Completion of online FAMUS e-learning modules and accreditation (via e-LFH)
- Demonstration of knowledge during supervised scanning process
- Learning resources/images available at [www.famus.org.uk](http://www.famus.org.uk)

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<b>Abdominal/renal</b>	Abdominal free fluid ( $\approx$ ascites) Bladder distension Hydronephrosis

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<b>Abdominal/renal</b>	Abdominal free fluid ( $\approx$ ascites) Bladder distension Hydronephrosis
<b>DVT/peripheral vascular</b>	DVT Minimum 5 supervised or mentored (depending on trainee experience) US guided peripheral vascular cannulation



# Detail of training process

- Each system is learned through three different stages
  - Stage 1: Theoretical stage (as covered already)
  - Stage 2: Supervised practice
  - Stage 3: Mentored practice

## Stage 2: Supervised practice

- Directly supervised scans by a mentor or supervisor
- Each scan reported individually (not for clinical notes)

## Focused Acute Medicine Ultrasound (FAMUS) Reporting sheet – thoracic ultrasound

Trainee name:

Date:

Patient identifier:

Image quality:                      Good                      Adequate                      Poor

		Lung sliding?		A+B lines present?		Effusion?		Consolidation/Collapse?	
<b>Right</b>	Upper anterior	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<b>Right</b>	Lower anterior	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<b>Right</b>	Postero-lateral	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<b>Left</b>	Upper anterior	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<b>Left</b>	Lower anterior	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<b>Left</b>	Postero-lateral	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Has a suitable site for pleural procedure been identified?				Yes (performed)		Yes (not performed)		No	
Comment/further details and conclusion of scan: e.g. description of effusion type/size presence of shred sign dynamic air/fluid/bronchograms seen									
Mentor/supervisor comments:									

Signed (trainee):

Signed to confirm above findings (mentor/supervisor):

Initial to confirm trainee suitable to commence mentored practice (only required once):  
(minimum 10 supervised scans)

Is a Departmental scan required? Yes  No                       Requested? Yes  No

Once completed trainee must maintain logbook of countersigned report sheets. Please remember not to remove patient confidential information from Trust property



## Stage 3: mentored practice

- Practice not directly supervised but every report *with images* reviewed by supervisor or mentor
- Allows increasing confidence/experience
- Ensures candidate gets opportunity to see all the pathology required from the curriculum

# Minimum requirements for each system

	Directly supervised	Mentored scans (indicative)	Indicative minimum training time
Thoracic	10 scans (20 lungs)	30 further scans (60 lungs)	6 months from first supervised scan
Abdominal/renal	10 scans	30 further scans	4 months from first supervised scan
DVT/peripheral vascular	5 scans	Further 5 scans (10 legs)  Minimum 5 supervised or mentored (depending on trainee experience) US guided peripheral vascular cannulation	1 month from first supervised scan

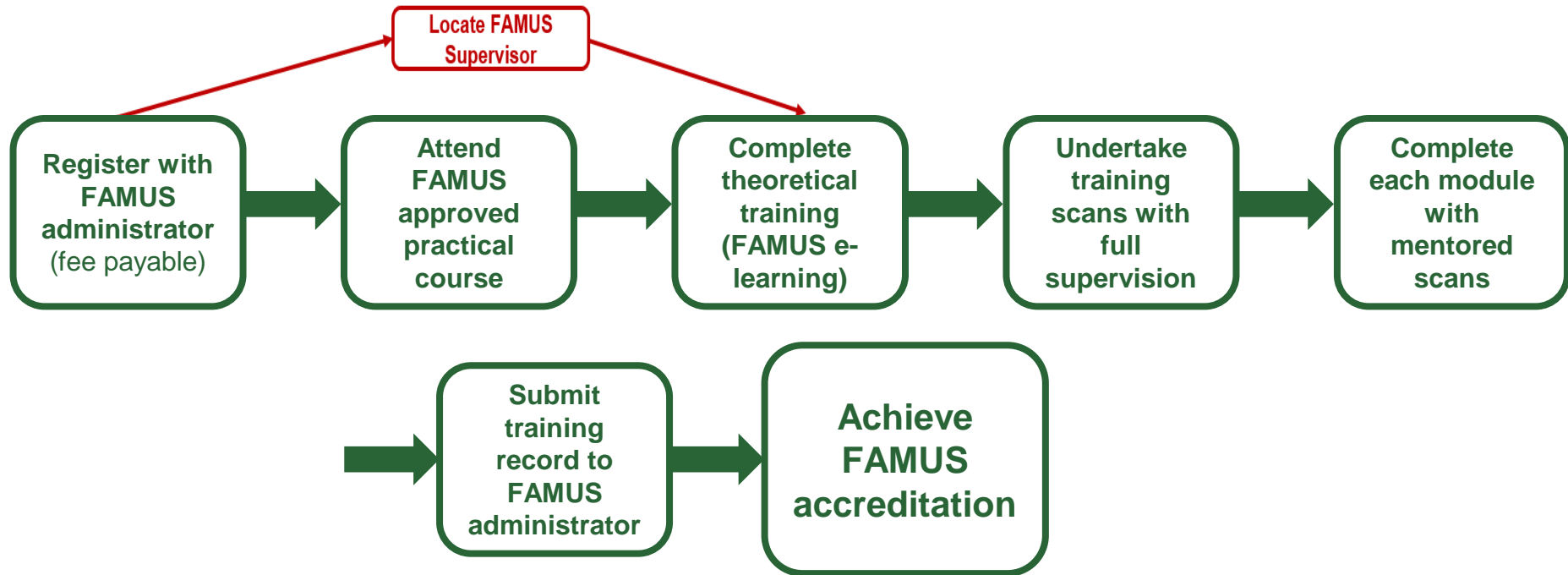
# Minimum numbers of pathologies

- In order to ensure consistency of training, we recommend each pathology is imaged a minimum number of times
- This ensures all candidates gain appropriate experience with both normal and abnormal appearances
- Additionally, this allows for suitable experience prior to undertaken ultrasound guided procedures
- As with time recommendations, all figures are indicative only

# Minimum numbers of pathologies

	Pathology	Indicative minimum number
Thoracic	Consolidation	5
	Increased lung water	5
	Pleural effusion (with site mark)	20
	Pneumothorax	0 (understands concepts to rule out pneumothorax)
Abdominal/ renal	Abdominal free fluid (any)	10
	Abdominal free fluid (with site mark)	5
	Hydronephrosis (any grade)	5
	Bladder distension	5
DVT/peripheral vascular	DVT	1

# Training process





# Prior ultrasound experience

- Can be counted as credit towards each module
- e.g. RCR level 1 thoracic ultrasound
- Contribution to be considered on an *individual* basis
- Minimum number directly supervised scans should still be undertaken

# Assessment of Completion of Training (ACT)

- To be undertaken once mentor/supervisor feels candidate has completed all curriculum components, and minimum training requirements complete
- If successful, confirms candidate's competency in that area of the curriculum
- Candidate may then scan independently in that area of practice

# Summary of Training Record

- Once all components are completed this is to be signed by Supervisor and returned to the FAMUS administrator
- Once acknowledged, you will be FAMUS accredited and registered on the SAM database

# Supervisors and Mentors

- Supervisors

- Must be registered on the SAM database
- Competent in all areas of the curriculum
- Can sign off all paperwork and must sign the Summary of Training Record

- Mentors

- May be competent in individual areas of the curriculum
- Agreed locally – do not need SAM registration
- Can sign all paperwork except STR

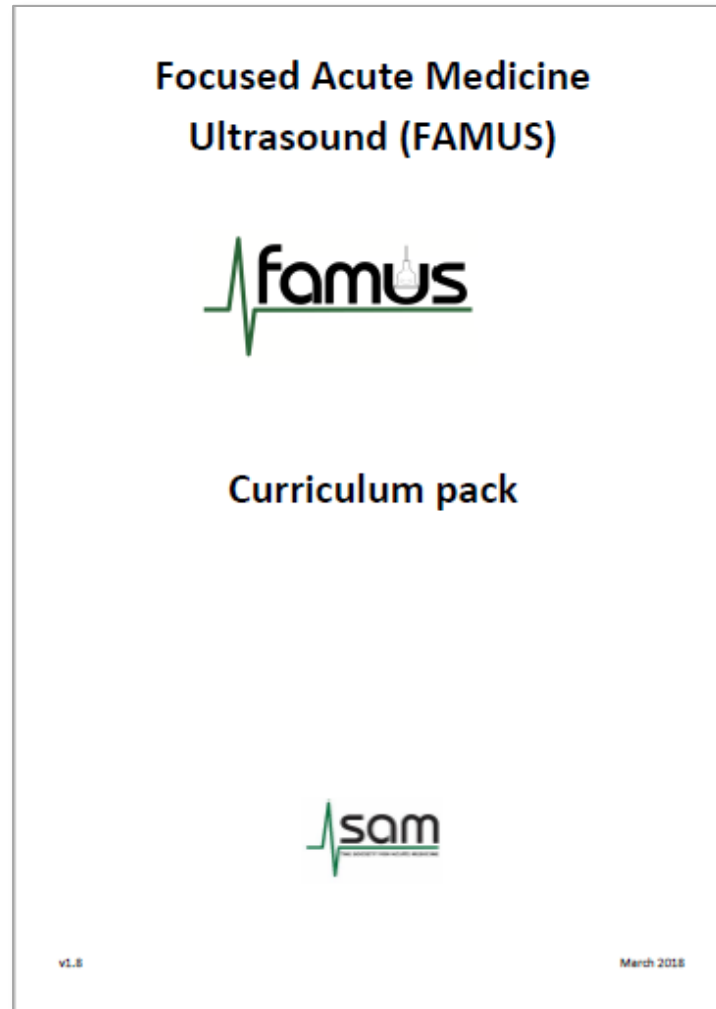
# Continuing Professional Development

- As with all skills, ongoing exposure maintains your competence
- 3 yearly (anonymised) logbook submission to the FAMUS administrator to maintain accreditation
  - Minimum annual number of scans (undertaken or supervised)
    - thoracic  $\approx$  20
    - abdo/renal  $\approx$  20
    - DVT  $\approx$  10

# Administration

- Via the Society for Acute Medicine
  - [famus@acutemedicine.org.uk](mailto:famus@acutemedicine.org.uk)
- Candidates must register with the administrator and pay the administration fee
- All details are available via the FAMUS section of the SAM website
  - [www.acutemedicine.org.uk/FAMUS](http://www.acutemedicine.org.uk/FAMUS)

# Resources available...



# **Focused Acute Medicine UltraSound (FAMUS) HANDBOOK**

Thoracic, Abdominal and Vascular  
Modules



V1  
2018



1





[www.acutemedicine.org.uk/famus](http://www.acutemedicine.org.uk/famus)

WS News  
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# Focused Acute Medicine Ultrasound - **FAMUS**

Focused Acute Medicine Ultrasound (FAMUS) is the point of care ultrasound standard created specifically for Acute Medicine physicians to aid the management of the acutely unwell adult patient. It is endorsed by the Society for Acute Medicine and recognised by the AIM training committee as a specialist skill.

Please see the links on the right (Related Pages) for relevant documents, and the following pages for information on how to register, how to accredit and useful information about the training. We recommend you download and read the [curriculum pack](#) which outlines the accreditation process in detail.

## Quick Links

→ [About SAM](#)

→ [Events](#)

→ [Membership](#)



[www.famus.org.uk](http://www.famus.org.uk)



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**FAMUS**

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If you have any FAMUS queries not covered by the following pages, please check out our [FAQ](#) section (opens in a new



# YouTube

The screenshot shows the YouTube channel page for FAMUS Ultrasound. The channel banner features the logo 'famUS' with a green ECG line and the text 'FOCUSED ACUTE MEDICINE ULTRASOUND' and 'In association with the Society for Acute Medicine'. The channel name is 'FAMUS Ultrasound' with 14 subscribers. Navigation tabs include HOME, VIDEOS, PLAYLISTS, CHANNELS, DISCUSSION, and ABOUT. The 'VIDEOS' tab is active, showing three video thumbnails: 'Complex effusion' (0:23), 'Septated ascites' (0:43), and 'Small bowel obstruction' (1:58). The left sidebar contains navigation options like Home, Trending, Subscriptions, and a library section with History, Watch later, Trolls, and Liked videos. The bottom right shows featured and popular channels, including '7-Second Riddles'.

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FOCUSED ACUTE MEDICINE ULTRASOUND  
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**famUS** FAMUS Ultrasound  
14 subscribers

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Complex effusion 0:23 Septated ascites 0:43 Small bowel obstruction 1:58

FEATURED CHANNELS POPULAR CHANNELS 7-Second Riddles



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