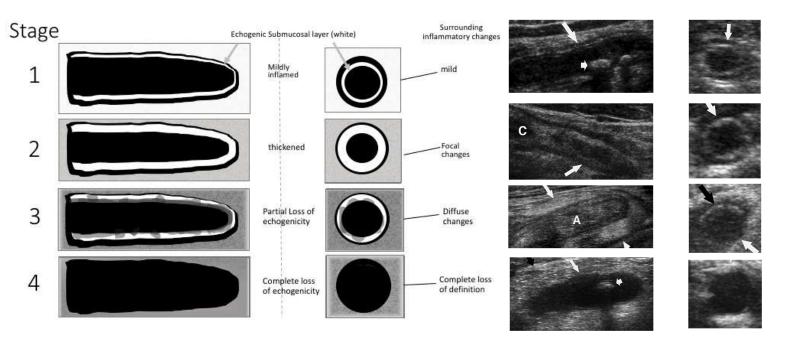
Site	Date (mm/dd/yy): Please complete this data form for any patient in which
	e able to obtain serial ultrasounds for appendicitis that are at least 4 hours apart.
I. Den	nographics:
A.	Patient age (years):
B.	Gender: []male []female
C.	Height (in): D.Weight (kg):
E.	When did any symptoms first begin? Date (mm/dd/yy): Time (24:00):
F.	When did the abdominal pain begin? Date (mm/dd/yy): Time (24:00):
G.	How is the patient diagnosed with appendicitis? (check all that apply)
	[] history and physical exam
	[] ultrasound done by [] POCUS; [] RADUS; report states:
	[] CT; report states:
	Size of the appendix:
	Fecalith: [] present; [] absent
	Periappendiceal fluid: [] present; [] absent
	Phlegmon: [] present; [] absent
	Perforation: [] present; [] absent
	Diagnosis:
	[] MRI; report states:
	Size of the appendix:
	Fecalith: [] present; [] absent
	Periappendiceal fluid: [] present; [] absent
	Phlegmon: [] present; [] absent Perforation: [] present; [] absent
	Diagnosis:
II. Init	al ultrasound:
A.	Date (mm/dd/yy): start time of scan (24:00): end time of scan (24:00):
B.	Which department performed the ultrasound (for this form): [] POCUS [] RADUS
C.	Operator: [] Resident [] PEM fellow [] Ultrasound fellow [] Attending
D.	Brand/model of ultrasound machine?
E.	<u>Features:</u>
1.	Largest diameter of appendix (measured anterior to posterior with
	compression):mm
2.	Maximal mural thickness (distance from hyperechoic luminal interface to outer
_	hyperechoic border (submucosa):mm
3.	Please estimate the degree of appendiceal enlargement: [] tip only [] diffusely enlarged
4. -	Presence of fecalith: []no []yes
5.	Presence of surrounding free fluid? [] no [] yes (if yes: [] simple [] complex)
6.	Presence of surrounding inflammation? [] no [] yes
7.	(if yes, please select one: [] focal [] diffuse) Is there a focal ileus (absent peristalsis near the appendix)? [] no [] yes
7. 8.	Describe the appearance of the normally
0.	echogenic submucosal (SM) layer (see figure):
	[] Stage I: Early- thin smooth SM layer
	[] Stage II: Suppurative - thick and smooth SM layer
	[] Stage III: Suppurative/Gangrenous –
	thick or thin irregular intermittent SM layer
	[] Stage IV: Gangrenous - loss of the SM layer
9.	Any gross perforation/ obvious wall defects seen? [] yes [] no
	, G

10.	Mural color doppler signal seen? [] yes [] no							
11. 12.	Peri-appendiceal Doppler signal seen? [] yes [] no							
12. 13.	Any signs of phlegmon/abscess? [] no [] yessize (if measured):							
13.	Location of appendix? [] lateral to psoas [] medial to psoas [] McBurneys point (MBP) [] inferior to MBP [] superior to MBP							
	Other							
14.	Appendix tender under pressure with probe (sonographic tenderness)? [] no [] yes							
15.	Any other notable features of the appendix (e.g. kinked/sharp turns, etc.)							
	erventions							
A.	Antibiotics given? [] no [] yes: date (mm/dd/yy):time (24:00):							
B.	Narcotics given? [] no [] yes: date (mm/dd/yy):time (24:00):							
C.	Initial WBC:							
VISUAL GUIDES								
	t diameter of appendix Maximal mural thickness Color Doppler signal							
(outer t	o outer wall w/compression) (echogenic border to lumen)							
	transmurala ; Peri-appendiceal							
- 45								
~								
	sident PEM							
D.	Brand/model of ultrasound machine?							
E.	Features:							
1.	Largest diameter of appendix (measured anterior to posterior with							
	compression):mm							
2.	Maximal mural thickness (distance from hyperechoic luminal interface to outer							
•	hyperechoic border (submucosa):mm							
3.	Please estimate the degree of appendiceal enlargement: [] tip only [] diffusely enlarged							
16. 17.	Presence of fecalith: []no []yes							
17. 18.	Presence of surrounding free fluid? [] no [] yes (if yes: [] simple [] complex) Presence of surrounding inflammation? [] no [] yes							
10.	(if yes, please select one: [] focal [] diffuse)							
19.	Is there a focal ileus (absent peristalsis near the appendix)? [] no [] yes							
20.	Describe the appearance of the normally							
	echogenic submucosal (SM) layer (see figure):							
	[] Stage I: Early- thin smooth SM layer							
	[] Stage II: Suppurative - thick and smooth SM layer 2							
	[] Stage III: Suppurative/Gangrenous –							
	thick or thin irregular intermittent SM layer							
	[] Stage IV: Gangrenous - loss of the SM layer							
04								
21. 22.	Any gross perforation/ obvious wall defects seen? [] yes [] no Mural color doppler signal seen? [] yes [] no							
22. 23.	Peri-appendiceal Doppler signal seen? [] yes [] no							
	·· · · · · · · · · · · · · · · · · · ·							
 24. Any signs of phlegmon/abscess? [] no [] yessize (if measured): 25. Location of appendix? [] lateral to psoas [] medial to psoas 								
20.	[] McBurneys point (MBP) [] inferior to MBP [] superior to MBP							
	Other							
26.	Appendix tender under pressure with probe (sonographic tenderness)? [] no [] yes							
27.	Any other notable features of the appendix (e.g. kinked/sharp turns, etc.)							

III. Interventions A. Antibiotics given? [] no [] yes: B. Narcotics given? [] no [] yes: C. Surgery performed? [] no [] yes: If surgery is performed, what are the finding a. Appendicitis? [] no [] yes b. Perforation? [] no [] yes	date (date	(mm/dd/y mm/dd/y (mm/dd/	/y):tim y):tim yy): ti	ne (24:00):_ ne (24:00):_ ime (24:00)	<u></u> :		
FEASIBILITY:		- mt- f- m	ula a I t aa a a		اد ما		
 I. Please rate how much you agree with the follow on the patient 	ing statem	ents for	ine uitrasot	ипа репогт	iea		
	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree		
a. "The Ultrasound was technically easy for me to perform"							
b. "The Ultrasound was well-tolerated by the patient"							
c. "The Ultrasound was well-accepted by the family"							
II. Were you able to obtain all of the views/measureme question)III. What barriers did you encounter today to efficiently apply)?			·		that		
□ None							
☐ Patient pain							
☐ Patient changed location (e.g. admitted)							
☐ ER too busy							
☐ Other; Please describe:							



Example of SM echogenic layer preserved until tip has focal loss = Necrotic tip /gross perforation

