

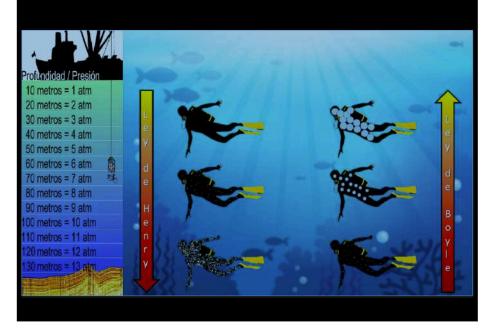


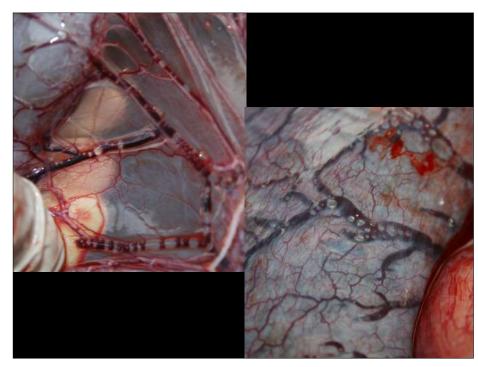


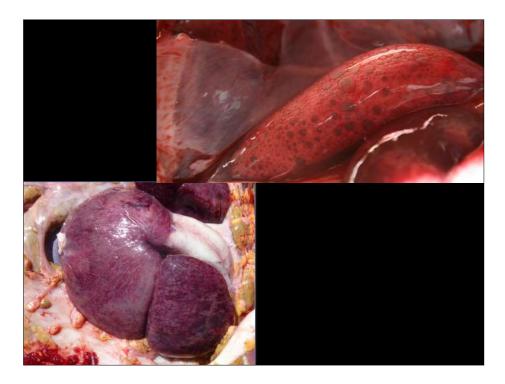




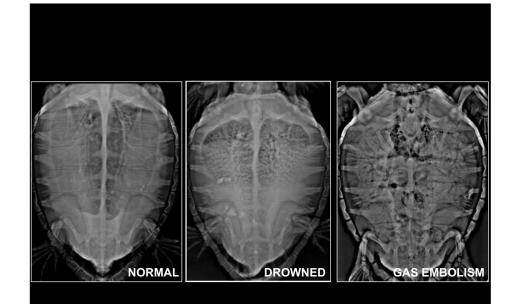
Vol. 111: 191-205, 2014 doi: 10.3354/da002790	DISEASES OF AQUATIC ORGANISMS Dis Aqual Org	Published October 16
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D. García-Párraga <sup>1,*</sup>	on sickness ('the bends' , J. L. Crespo-Picazo <sup>1,2</sup> , Y. Bernaldo de J. Díaz-Delgado <sup>3</sup> , M. Arbelo <sup>3</sup> , M. J. M Antonio Fernández <sup>3</sup>	e Quirós <sup>3</sup> , V. Cervera <sup>4</sup> ,
D. García-Párraga <sup>1,*</sup> , L. Martí-Bonmati <sup>5</sup> ,	, J. L. Crespo-Picazo <sup>1,2</sup> , Y. Bernaldo de J. Díaz-Delgado <sup>3</sup> , M. Arbelo <sup>3</sup> , M. J. M	e Quirós <sup>3</sup> , V. Cervera <sup>4</sup> , loore <sup>6</sup> , P. D. Jepson <sup>7</sup> ,
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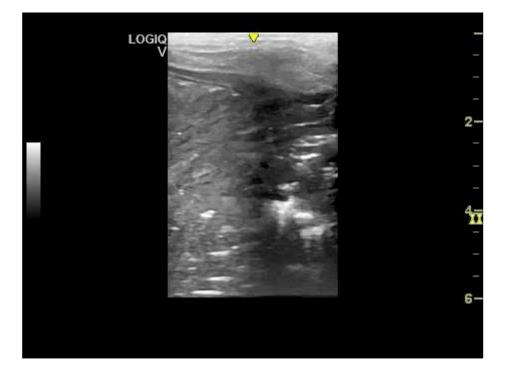


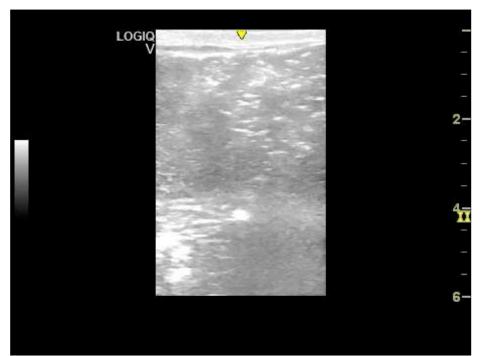


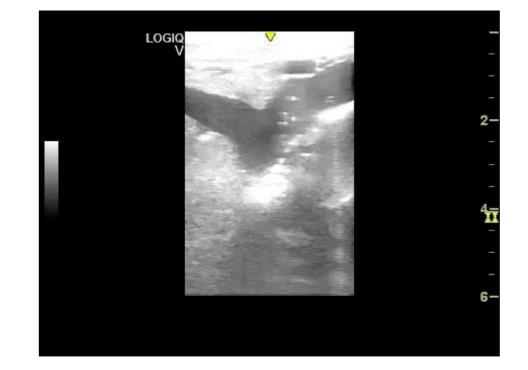








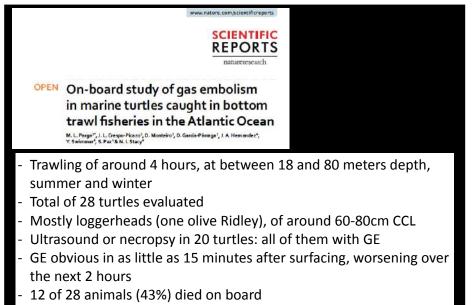






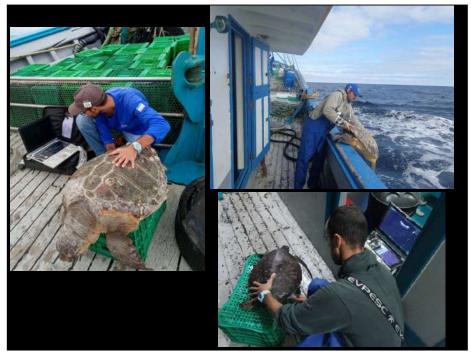
## What happens on board trawl vessels?

- How many animals develop GE on board?
- How quickly does it happen?
- How quickly does it worsen?
- What are the risk factors? Depth, duration of trawl, speed of net retrieval, species, size of animals, water temperature
- What happens to released animals?
- What is the mortality related to GE, which so far has not been accounted for?



3 of 15 released animals (20%) died during the first 6 days post-release





## 2nd (ongoing) study - results so far

- Trawling slightly longer (3-7 hours), at 15-81 meters, mostly summer (1 winter trip)
- Another 20 turtles evaluated
- Mostly loggerheads (another olive Ridley and one green), of around 60-80cm CCL
- Ultrasound or necropsy in 19 turtles: all of them with GE
- 8 of 20 animals (40%) died on board
- 4 of 11 released animals (36%) died during the first 1-2 days post-release

