

Human Impact Lab: Unique Treatments

Loggerhead Marineline Center

Loggerhead Marineline Center is an ocean conservation organization and sea turtle hospital located adjacent to one of the most important sea turtle nesting beaches in the world. The Center features an on-site campus hospital, research laboratory, educational exhibits and aquariums, and also operates the Juno Beach Pier, which hosts world-class angling and sightseeing. The Center's conservation team works with 76 local and international organizations across six continents to form partnerships and share conservation initiatives and best practices that are core to its mission of ocean conservation. The Center is expanding and has launched its Waves of Progress capital expansion campaign, designed to accelerate and amplify LMC's conservation and education impact.

Our mission is to promote conservation of ocean ecosystems with a special focus on threatened and endangered sea turtles. Our vision is to be recognized locally and internationally as the leading authority in sea turtle education, research and rehabilitation.



Lesson Objectives


- I can describe some major challenges of treating sea turtles.
- I can describe a unique treatment employed by LMC to treat our patients.

Vocab

- Aquatic: living in water
- Innovative: something new or novel, innovative
- Treatment: management in the application of medicines, surgery, etc.
- Rehabilitation: to restore to a condition of good health, ability to work, or the like.

Resources

Patient Profiles: marinelife.org/patients



Visit [Marinelife.org](https://marinelife.org) to learn
more about Loggerhead
Marinelife Center!

Innovate at Home

Directions: Use what you learned about being creative, and thinking outside the box, in our Virtual Lesson with Sam to create a unique and innovative treatment for an animal of your choice! It can be a cat or dog, or even a snake or fish! Draw your design, and describe the purpose below.

Treat This Patient: Zubey

Directions: Use what you learned in our Virtual Lesson with Sam to help treat one of our juvenile loggerhead sea turtles, Zubey!



Zubey

Species: Loggerhead (*Caretta caretta*)

Arrival Date: April 2, 2019

Stranding Location: Hobe Sound, FL

Initial Weight: 1 lbs.

Current Weight: 3.61 lbs.

Issue: Washback

Zubey is a juvenile loggerhead sea turtle patient that was found washed ashore in the sargassum on Hobe Sound Beach. The turtle arrived lethargic and is considered a washback. A washback is a sea turtle in the pelagic stage that lives offshore in the floating sargassum seaweed, and has been blown back onto the beach, usually by strong winds or a storm. These can include hatchlings, post-hatchlings and juveniles. The turtle will be released by boat 5-15 miles offshore in the floatin gsargassum matts once rehabilitation is complete.

Patient Problems

1. The turtle is not using its front flippers to swim. What could we do to help Zubey start to use those front flippers?

2. This patient also has a lung infection. What can we give Zubey to help with an infection?

3.
