The following supplement accompanies the article

Clinicopathological findings in sea turtles assessed during the *Deepwater Horizon* oil spill response

N. I. Stacy*, C. L. Field, L. Staggs, R. A. MacLean, B. A. Stacy, J. Keene, D. Cacela, C. Pelton, C. Cray, M. Kelley, S. Holmes, C. J. Innis

*Corresponding author: stacyn@ufl.edu

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Supplementary Materials II, Figure 1. Packed cell volume PCV [spun](%) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Facility A

Supplementary Materials II, Figure 1. Packed cell volume PCV [spun](%) cont.

Degree of Oiling 🗖 1 🗖 2 🗖 3 📕

4

60

50

40









Eretmochelys imbricata



Lepidochelys kempii



Supplementary Materials II, Figure 1. Packed cell volume PCV [spun](%) cont.

Species pooled

Facility A





Supplementary Materials II, Figure 2. Packed cell volume PCV [spun; in-house](%) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Facility B – No data available

Supplementary Materials II, Figure 2. Packed cell volume PCV [spun; in-house](%) cont.

Chelonia mydas

Facility A







Facility B – No data available

Supplementary Materials II, Figure 2. Packed cell volume PCV [spun; in-house](%) cont.

Lepidochelys kempii

Facility A



Supplementary Materials II, Figure 2. Packed cell volume PCV [spun; in-house](%) cont.

Species pooled

Facility A



Days Since Admission

Supplementary Materials II, Figure 3. Red blood cell (RBC) count x $10^6/\mu$ l in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Facility A

Facility B



Days Since Admission

Supplementary Materials II, Figure 3. Red blood cell (RBC) count x $10^6/\mu$ l cont.

Chelonia mydas



Facility A





Supplementary Materials II, Figure 3. Red blood cell (RBC) count x 10⁶/µl cont.

Lepidochelys kempii

Facility A

Facility **B**



Days Since Admission

Supplementary Materials II, Figure 3. Red blood cell (RBC) count x $10^6/\mu$ l cont.

Species pooled

Facility A

Facility B



Days Since Admission

Supplementary Materials II, Figure 4. Hemoglobin (g/dl) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Facility A – No data available

Facility B – No data available

Chelonia mydas



Facility A



Eretmochelys imbricata

Facility A – No data available











Facility A

Supplementary Materials II, Figure 5. White blood cell (WBC) count/µl in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Facility A



Supplementary Materials II, Figure 5. White blood cell (WBC) count/µl cont.

Chelonia mydas

Facility A













Facility A

Supplementary Materials II, Figure 5. White blood cell (WBC) count/µl cont.

Species pooled

Facility A

Facility **B**



Days Since Admission

Supplementary Materials II, Figure 6. Heterophils/ μ l in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Facility A



Supplementary Materials II, Figure 6. Heterophils/µl cont.

Chelonia mydas

Facility A



Days Since Admission



Eretmochelys imbricata



Supplementary Materials II, Figure 6. Heterophils/µl cont.





Facility A

Supplementary Materials II, Figure 6. Heterophils/µl cont.

Species pooled



Facility A

Supplementary Materials II, Figure 7. Lymphocytes/µl in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Facility A



Days Since Admission

Supplementary Materials II, Figure 7. Lymphocytes/µl cont.





Facility A





Supplementary Materials II, Figure 7. Lymphocytes/µl cont.



Facility A

Facility B



Days Since Admission

Supplementary Materials II, Figure 7. Lymphocytes/µl cont.





Days Since Admission

Facility B

Facility A
Supplementary Materials II, Figure 8. Monocytes/µl in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Supplementary Materials II, Figure 8. Monocytes/µl cont.



Facility A

Facility B







Supplementary Materials II, Figure 8. Monocytes/µl cont.



Supplementary Materials II, Figure 8. Monocytes/µl cont.





Facility A

Facility B

Supplementary Materials II, Figure 9. Eosinophils/µl in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Supplementary Materials II, Figure 9. Eosinophils/µl cont.

Chelonia mydas

Facility A

Facility B



Eretmochelys imbricata



Supplementary Materials II, Figure 9. Eosinophils/µl cont.



Supplementary Materials II, Figure 9. Eosinophils/µl cont.



Supplementary Materials II, Figure 10. Basophils/µl in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Days Since Admission

Supplementary Materials II, Figure 10. Basophils/µl cont.





Eretmochelys imbricata









Facility A



Supplementary Materials II, Figure 11. Total solids TS [in-house by refractometer] (mg/dl) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Facility A



Supplementary Materials II, Figure 11. Total solids TS [in-house by refractometer] (mg/dl) cont.



Facility A



Days Since Admission

Facility B

Eretmochelys imbricata

Facility A

Facility B



Supplementary Materials II, Figure 11. Total solids TS [in-house by refractometer] (mg/dl) cont.

Lepidochelys kempii



Days Since Admission

Supplementary Materials II, Figure 11. Total solids TS [in-house by refractometer] (mg/dl) cont.

Degree of Oiling

1 🗖 2 🗖 3 📕

9

Species pooled





Facility **B**

Supplementary Materials II, Figure 12. Total protein TP (g/dl) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Facility A

Facility B



Supplementary Materials II, Figure 12. Total protein TP (g/dl) cont.

Chelonia mydas

Facility A



Days Since Admission

Facility B





Supplementary Materials II, Figure 12. Total protein TP (g/dl) cont.

8

9

Degree of Oiling ■ 1 ■ 2 ■ 3 ■

4







Facility B

Supplementary Materials II, Figure 12. Total protein TP (g/dl) cont.

Species pooled

Facility A

Facility B





Supplementary Materials II, Figure 13. Albumin ALB (g/dl) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Supplementary Materials II, Figure 13. Albumin ALB (g/dl) cont.

Chelonia mydas

Facility A

Facility B





Days Since Admission

Supplementary Materials II, Figure 13. Albumin ALB (g/dl) cont.



Supplementary Materials II, Figure 13. Albumin ALB (g/dl) cont.

Species pooled

Facility A





Supplementary Materials II, Figure 14. Globulins (g/dl) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Supplementary Materials II, Figure 14. Globulins (g/dl) cont.

5

4

Degree of Oiling 🗖 1 🗖 2 🗖 3 📕

4







Facility B

Eretmochelys imbricata







Supplementary Materials II, Figure 14. Globulins (g/dl) cont.



Facility A





Supplementary Materials II, Figure 15. Glucose (mg/dl) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

250

Degree of Oiling

4






Supplementary Materials II, Figure 15. Glucose (mg/dl) cont.



Days Since Admission





Supplementary Materials II, Figure 15. Glucose (mg/dl) cont.

Degree of Oiling

4

400

300









Supplementary Materials II, Figure 15. Glucose (mg/dl) cont.

Degree of Oiling ■ 1 ■ 2 ■ 3 ■

4

600

500

400



Facility A



Supplementary Materials II, Figure 16. Calcium Ca (mg/dl) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Facility A



Supplementary Materials II, Figure 16. Calcium Ca (mg/dl) cont.

14

12

Degree of Oiling

1 🗖 2 🗖 3 🔳

4









14

12

Degree of Oiling

4

■ 1 ■ 2 ■ 3 ■







Facility B

Lepidochelys kempii

Facility A





Supplementary Materials II, Figure 16. Calcium Ca (mg/dl) cont.

Species pooled

Facility A



Facility B

Days Since Admission

Supplementary Materials II, Figure 17. Phosphorus P (mg/dl) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Facility A



Supplementary Materials II, Figure 17. Phosphorus P (mg/dl) cont.

Chelonia mydas





Facility B

Days Since Admission

Admission

1.2

3-5

6-10

11-20 21-30





61-70

71-80

81-90 91-100 101-150 151-200 201-250 251-300

41-50 51-60

31-40

Supplementary Materials II, Figure 17. Phosphorus P (mg/dl) cont.

Degree of Oiling ■ 1 ■ 2 ■ 3 ■

4

20

12









Supplementary Materials II, Figure 17. Phosphorus P (mg/dl) cont.

Species pooled

Facility A

Degree of Oiling 20 🗖 1 🗖 2 🗖 3 🔳 - 4 Phosphorus (mg/dl) 15 10 5 81-90 91-100 101-150 151-200 201-250 251-300 6-10 11-20* 21-30 31-40 41-50 51-60 61-70 71-80 Admission 1-2 3-5 Days Since Admission Degree of Oiling 1 🗖 2 🗖 3 📕 20 Phosphorus (mg/dl) 15 10



5

Admission

1.2

3-5

6-10

11-20 21-30

Days Since Admission

61-70

71-80

81-90

41-50 51-60

31-40

91-100 101-150 151-200 201-250 251-300

Supplementary Materials II, Figure 18. Calcium:Phosphorus ratio in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Degree of Oiling

1 🗖 2 🗖 3 📕

4

2.0

Caretta caretta

Facility A



Supplementary Materials II, Figure 18. Calcium: Phosphorus ratio cont.

Chelonia mydas

Facility A



Days Since Admission





Supplementary Materials II, Figure 18. Calcium: Phosphorus cont.

Degree of Oiling

4

3.0

2.5







Supplementary Materials II, Figure 18. Calcium: Phosphorus ratio cont.



Facility A



Days Since Admission

Facility B

Supplementary Materials II, Figure 19. Sodium Na (mmol/I) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Days Since Admission

Supplementary Materials II, Figure 19. Sodium Na (mmol/l) cont.

180

160

Degree of Oiling

1 🗖 2 🗖 3 📕

- 4









Eretmochelys imbricata



Supplementary Materials II, Figure 19. Sodium Na (mmol/l) cont.

180

Degree of Oiling



Facility A



Facility B

Supplementary Materials II, Figure 19. Sodium Na (mmol/l) cont.

180

160

Degree of Oiling

1 🗖 2 🗖 3 📕

Species pooled

Facility A

Sodium (mmol/l) 140 120 100 81-90* 91-100 101-150 151-200 201-250 251-300 21-30 31-40 41-50 51-60 61-70 Admission 1.2 3-5 6-10 11-20 71-80 Days Since Admission Degree of Oiling 180 1 🗖 2 🗖 3 🗖 İ-160 Sodium (mmol/l) 140 120 100 Admission 1.2 3-5 6-10 11-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 91-100 101-150 151-200 201-250 251-300 **Days Since Admission**

Supplementary Materials II, Figure 20. Chloride Cl (mmol/l) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Supplementary Materials II, Figure 20. Chloride Cl (mmol/l) cont.



Facility A







Facility B – No data available

Degree of Oiling

4

180

160







Facility B

Supplementary Materials II, Figure 20. Chloride Cl (mmol/l) cont.



Facility A



Supplementary Materials II, Figure 21. Potassium K (mmol/l) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Supplementary Materials II, Figure 21. Potassium K (mmol/l) cont.

10

Degree of Oiling

4



Facility A









10

Degree of Oiling

4







Facility B

Supplementary Materials II, Figure 21. Potassium K (mmol/l) cont.



Facility A



Supplementary Materials II, Figure 22. Uric acid (mg/dl) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Degree of Oiling

1 🗖 2 🗖 3 📕

4

2.5

Caretta caretta

Facility A



Supplementary Materials II, Figure 22. Uric acid (mg/dl) cont.



Facility A

Facility B



Days Since Admission




Supplementary Materials II, Figure 22. Uric acid (mg/dl) cont.

Degree of Oiling

4

🗖 1 🗖 2 🗖 3 📕



Facility A

3.0 2.5 Uric acid (mg/dl) 2.0 1.5 1.0 0.5 0.0 81-90 91-100 101-150 151-200 201-250 251-300 Admission 3-5 11-20 21-30 31-40 41-50 51-60 61-70 71-80 1.2 6-10 Days Since Admission 2.5 Degree of Oiling ■ 1 ■ 2 ■ 3 ■ 4 2.0 Uric acid (mg/dl) 1.5 -1.0 0.5 0.0 21-30 41-50 51-60 Admission 1-2 3-5 6-10 11-20 31-40 61-70 71-80 81-90 91-100 101-150 151-200 201-250 251-300 **Days Since Admission**



Supplementary Materials II, Figure 22. Uric acid (mg/dl) cont.



Facility A



Facility B

Days Since Admission

Supplementary Materials II, Figure 23. Blood urea nitrogen BUN (mg/dl) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Facility B







Facility A

Supplementary Materials II, Figure 23. Blood urea nitrogen BUN (mg/dl) cont.

Eretmochelys imbricata

Facility A – No data available







Facility A



Supplementary Materials II, Figure 24. Cholesterol (mg/dl) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Facility A – No available data







Eretmochelys imbricata

Facility A – No available data

Facility B – No available data







Facility A



Supplementary Materials II, Figure 25. Triglycerides (mg/dl) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Facility B







Facility A

Eretmochelys imbricata

Facility A – No data available



Species pooled

Facility A



Supplementary Materials II, Figure 26. Alkaline phosphatase ALP (U/L) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Supplementary Materials II, Figure 26. Alkaline phosphatase ALP (U/L) cont.

Degree of Oiling

1 🗖 2 🗖 3 📕

4

Chelonia mydas

Facility A











Supplementary Materials II, Figure 26. Alkaline phosphatase ALP (U/L) cont.

Species pooled

Facility A



Supplementary Materials II, Figure 27. Alanine aminotransferase ALT (U/L) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Facility A – No data available

Supplementary Materials II, Figure 27. Alanine aminotransferase ALT (U/L) cont.





Supplementary Materials II, Figure 27. Alanine aminotransferase ALT (U/L) cont.

Eretmochelys imbricata

Facility A – No data available





Facility B – No data available

Supplementary Materials II, Figure 27. Alanine aminotransferase ALT (U/L) cont.





Facility B – No data available

Supplementary Materials II, Figure 28. Aspartate aminotransferase AST (U/L) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Supplementary Materials II, Figure 28. Aspartate aminotransferase AST (U/L) cont.

Chelonia mydas

Facility A

Facility B



Days Since Admission





Supplementary Materials II, Figure 28. Aspartate aminotransferase AST (U/L) cont.



Days Since Admission

Supplementary Materials II, Figure 28. Aspartate aminotransferase AST (U/L) cont.

Species pooled

Facility A



Days Since Admission

Supplementary Materials II, Figure 29. Creatine kinase (U/L) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Supplementary Materials II, Figure 29. Creatine kinase (U/L) cont.





Facility A

Facility B




Supplementary Materials II, Figure 29. Creatine kinase (U/L) cont.





Supplementary Materials II, Figure 29. Creatine kinase (U/L) cont.

Species pooled



Facility A



Supplementary Materials II, Figure 30. Lactate dehydrogenase LDH (U/L) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Facility A

Supplementary Materials II, Figure 30. Lactate dehydrogenase LDH (U/L) cont.

Chelonia mydas

Facility A







Facility B – No data available

Supplementary Materials II, Figure 30. Lactate dehydrogenase LDH (U/L) cont.

Lepidochelys kempii

Facility A



Supplementary Materials II, Figure 30. Lactate dehydrogenase LDH (U/L) cont.

Species pooled

Facility A

Facility B

Degree of Oiling 🗖 1 🗖 2 🗖 3 📕 - 4 25000 Lactate dehydrogenase (U/L) 15000 5000 1,**40** 0 71-80 91-100 101-150 151-200 201-250* 251-300 Admission 1.2 3-5 11-20* 21-30 41-50 51-60 61-70 81-90 6-10 31-40* Days Since Admission 20000 Degree of Oiling 1 🗖 2 🗖 3 📕 4 Lactate dehydrogenase (U/L) 15000 10000 5000 0 41-50 51-60 Admission 1.2 3-5 6-10 11-20 21-30 31-40 61-70 71-80 81-90 91-100 101-150 151-200 201-250 251-300

Days Since Admission

Supplementary Materials II, Figure 31. Iron (μ g/dl) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Facility B – No data available





Eretmochelys imbricata

Facility A – No data available

Facility B – No data available

Lepidochelys kempii



Species pooled



Supplementary Materials II, Figure 32. Temperature (°C) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Supplementary Materials II, Figure 32. Temperature (°C) cont.



Facility A



Days Since Admission





Supplementary Materials II, Figure 32. Temperature (°C) cont.

35

30

Degree of Oiling ■ 1 ■ 2 ■ 3 ■

- 4

Lepidochelys kempii



Temperature (°C) 25 20 81-90 91-100 101-150 151-200 201-250 251-300 11-20 21-30 31-40 41-50 51-60 61-70 71-80 Admission 1.2 3-5 6-10 Days Since Admission Degree of Oiling ■ 1 ■ 2 ■ 3 ■ 4 35 Temperature (°C) 30 25 20 51-60 81-90 91-100 101-150 151-200 201-250 251-300 Admission 1.2 3-5 6-10 11-20 21-30 31-40 41-50 61-70 71-80 **Days Since Admission**



Supplementary Materials II, Figure 32. Temperature (°C) cont.

Admission

1.2

3-5

6-10

11-20 21-30



Facility A

Degree of Oiling ■ 1 ■ 2 ■ 3 ■ 35 30 Temperature (°C) -25 20 81-90 91-100 101-150 151-200 201-250 251-300 11-20 21-30 31-40 41-50 51-60 61-70 71-80 Admission* 1.2 3-5 6-10 Days Since Admission Degree of Oiling ■ 1 ■ 2 ■ 3 ■ 4 35 Temperature (°C) 30 H I 25 20

Facility B

51-60 **Days Since Admission**

61-70

71-80

41-50

31-40

81-90 91-100 101-150 151-200 201-250 251-300

Supplementary Materials II, Figure 33. pH; i-STAT in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Facility A



Supplementary Materials II, Figure 33. pH; i-STAT cont.

Degree of Oiling

4

8.5









Eretmochelys imbricata











Supplementary Materials II, Figure 33. pH; i-STAT cont.

Admission

1.2

3-5

6-10

11-20 21-30



Facility A





Days Since Admission

61-70

71-80

41-50 51-60

31-40

81-90 91-100 101-150 151-200 201-250 251-300

Supplementary Materials II, Figure 34. Partial pressure of oxygen pO₂ (mmHg); i-STAT in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Facility A



Supplementary Materials II, Figure 34. Partial pressure of oxygen pO₂ (mmHg); i-STAT cont.





Facility A









Facility A

Supplementary Materials II, Figure 34. Partial pressure of oxygen pO₂ (mmHg); i-STAT cont.





Facility A

Supplementary Materials II, Figure 35. Partial pressure of carbon dioxide pCO₂ (mmHg); i-STAT in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Supplementary Materials II, Figure 35. Partial pressure of carbon dioxide pCO₂ (mmHg); i-STAT cont.





Facility A

Eretmochelys imbricata

Facility A

Facility B



Days Since Admission

Supplementary Materials II, Figure 35. Partial pressure of carbon dioxide pCO₂ (mmHg); i-STAT cont.

Lepidochelys kempii

Facility A

Facility B



Days Since Admission

Supplementary Materials II, Figure 35. Partial pressure of carbon dioxide pCO₂ (mmHg); i-STAT cont.

Species pooled

Facility A



Days Since Admission

Supplementary Materials II, Figure 36. Bicarbonate tCO₂ (mmol/I); i-STAT in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Days Since Admission

Supplementary Materials II, Figure 36. Bicarbonate tCO₂ (mmol/l); i-STAT cont.

Degree of Oiling 🗖 1 🗖 2 🗖 3 🔳

50

40

30

4





Facility B



-








Supplementary Materials II, Figure 36. Bicarbonate tCO₂ (mmol/l); i-STAT cont.

Species pooled



Days Since Admission

Supplementary Materials II, Figure 37. Sodium Na (mmol/I); i-STAT in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Degree of Oiling 1 🗖 2 🗖 3 📕 180 4 Sodium (mmol/l); i-STAT 160 **Facility A** 140 120 100 21-30 41-50 51-60 61-70 71-80 81-90 91-100 101-150 151-200 201-250 251-300 Admission 1.2 3-5 6-10 11-20 31-40 **Days Since Admission** Degree of Oiling 180 ■ 1 ■ 2 ■ 3 ■ 4 Sodium (mmol/l); i-STAT 160 ł Facility **B** 140 120 100 Admission 1.2 3-5 6-10 11-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 91-100 101-150 151-200 201-250 251-300 **Days Since Admission**

Supplementary Materials II, Figure 37. Sodium Na (mmol/l); i-STAT cont.

Degree of Oiling

1 🗖 2 🗖 3 📕

4

180



Facility A

Sodium (mmol/l); i-STAT 160 140 120 100 21-30 31-40 41-50 51-60 61-70 81-90 91-100 101-150 151-200 201-250 251-300 Admission 1.2 3-5 6-10 11-20 71-80 Days Since Admission Degree of Oiling 180 1 🗖 2 🗖 3 📕 4 Sodium (mmol/l); i-STAT 160 I H 140 120 100 Admission 1.2 3-5 6-10 11-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 91-100 101-150 151-200 201-250 251-300 **Days Since Admission**







Supplementary Materials II, Figure 37. Sodium Na (mmol/l); i-STAT cont.

Degree of Oiling

180



Facility A

Sodium (mmol/l); i-STAT 160 140 120 100 21-30 31-40 41-50 51-60 61-70 91-100 101-150 151-200 201-250 251-300 Admission 1.2 3-5" 6-10 11-20 71-80 81-90 **Days Since Admission** Degree of Oiling 180 1 🗖 2 🗖 3 📕 4 Sodium (mmol/I); i-STAT 160 1 140 120 100 Admission 1.2 3-5 6-10 11-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 91-100 101-150 151-200 201-250 251-300 **Days Since Admission**

Supplementary Materials II, Figure 37. Sodium Na (mmol/l); i-STAT cont.

Degree of Oiling

1 🗖 2 🗖 3 📕

180

160



Facility A

Sodium (mmol/l); i-STAT 140 120 100 21-30 31-40 41-50 51-60 61-70 91-100* 101-150 151-200 201-250 251-300 1-2 3-5 6-10 11-20 71-80 81-90 Admission **Days Since Admission** Degree of Oiling 180 1 🗖 2 🗖 3 🗖 4 Sodium (mmol/l); i-STAT 160 4 140 120 100 Admission 1.2 3-5 6-10 11-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 91-100 101-150 151-200 201-250 251-300 **Days Since Admission**

Supplementary Materials II, Figure 38. Chloride Cl (mmol/I); i-STAT in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Supplementary Materials II, Figure 38. Chloride Cl (mmol/l); i-STAT cont.









Supplementary Materials II, Figure 38. Chloride Cl (mmol/l); i-STAT cont.





Supplementary Materials II, Figure 38. Chloride Cl (mmol/l); i-STAT cont.



Facility A

Facility B

180 Degree of Oiling ■ 1 ■ 2 ■ 3 ■ 4 160 Chloride (mmol/I); i-STAT 140 120 100 80 3-5 6-10 11-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 91-100 101-150 151-200 201-250 251-300 Admission 1.2 Days Since Admission 180 Degree of Oiling ■ 1 ■ 2 ■ 3 ■ 4 160 Chloride (mmol/l); i-STAT 140 120 100 80 51-60 Admission 1.2 3-5 6-10 11-20 21-30 31-40 41-50 61-70 71-80 81-90 91-100 101-150 151-200 201-250 251-300 **Days Since Admission**

Supplementary Materials II, Figure 39. Potassium K (mmol/l); i-STAT in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Facility A



Supplementary Materials II, Figure 39. Potassium K (mmol/l); i-STAT cont.

Degree of Oiling ■ 1 ■ 2 ■ 3 ■

4

10

6

8







Facility B





Supplementary Materials II, Figure 39. Potassium K (mmol/l); i-STAT cont.



Facility A





Supplementary Materials II, Figure 39. Potassium K (mmol/l); i-STAT cont.

Species pooled

Facility A





Days Since Admission

Supplementary Materials II, Figure 40. Ionized calcium iCa (mmol/I); i-STAT in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Supplementary Materials II, Figure 40. Ionized calcium iCa (mmol/l); i-STAT cont.



Facility A













Facility B

Supplementary Materials II, Figure 40. Ionized calcium iCa (mmol/l); i-STAT cont.



Facility A



Supplementary Materials II, Figure 41. Glucose (mg/dl); i-STAT in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Supplementary Materials II, Figure 41. Glucose (mg/dl); i-STAT cont.

400

Degree of Oiling

4











Degree of Oiling

4

400









Supplementary Materials II, Figure 41. Glucose (mg/dl); i-STAT cont.



Facility A



Facility B

Supplementary Materials II, Figure 42. Lactate (mmol/l); i-STAT in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta

Facility A – No data available



Chelonia mydas



Eretmochelys imbricata

Facility A – No data available

Facility B – No data available









Supplementary Materials II, Figure 43. Anion gap AG (mmol/l, calculated) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta









Facility B – No data available

Degree of Oiling ■ 1 ■ 2 ■ 3 ■

4

40

30







Degree of Oiling

4

40



Facility A




Supplementary Materials II, Figure 44. Osmolality (calculated) in oiled sea turtles admitted to rehabilitation by oiling category, rehabilitation time interval, and species

Caretta caretta



Supplementary Materials II, Figure 44. Osmolality (calculated) cont.

Chelonia mydas

Facility A

Facility **B**



Days Since Admission









Supplementary Materials II, Figure 44. Osmolality (calculated) cont.





Facility A