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Data

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## The effects of elevated potassium, acidosis, reduced oxygen levels, and temperature on the functional properties of isolated myocardium from three elasmobranch fishes: clearnose skate (*Rostroraja eglanteria*), smooth dogfish (*Mustelus canis*), and sandbar shark (*Carcharhinus plumbeus*) - Associated Data

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# The effects of elevated potassium, acidosis, reduced oxygen levels, and temperature on the functional properties of isolated myocardium from three elasmobranch fishes: clearnose skate (*Rostroraja eglanteria*), smooth dogfish (*Mustelus canis*), and sandbar shark (*Carcharhinus plumbeus*) - Associated Data

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## Document Type

Data

## Department/Program

Department of Fisheries Science

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## Description

These data were collected following methods described in Schwieterman et al. (2020).

## Files | Description

<b>ElasmoStripData_02Hz.csv</b>	<b>Species ID codes are as follows:</b> CN- Clearnose Skate SB- Sandbar Shark DF- Smooth Dogfish  Dose codes are as follows: 0 – control 1 – potassium added 2 – isoproterenol added Other abbreviations: Iso – isoproterenol
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	<p>K+ISO – hyperkalemia and isoproterenol  ChangeNF – Change in mean net force  ChangeSTP – Change in mean time to peak force  ChangePTH – Change in mean time to half relaxation  ChangeMax – Change in mean of the maximum rate of contraction  ChangeMin – Change in mean of the maximum rate of relaxation  CO2 – treatments containing 2% carbon dioxide and 98% air  O2 – treatments containing oxygen only  Combined – treatment containing a combination of low oxygen, low pH, and a high concentration of potassium</p>
<p><b>ElasmoStripData_Correct_AllHz.xlsx</b></p>	<p><b>Species ID codes are as follows:</b>  CN- Clearnose Skate  SB- Sandbar Shark  DF- Smooth Dogfish</p> <p>Dose codes are as follows:  0 – control  1 – potassium added  2 – isoproterenol added</p> <p>Other abbreviations:  Iso – isoproterenol  ChangeNF – Change in mean net force  ChangeSTP – Change in mean time to peak force  ChangePTH – Change in mean time to half relaxation  ChangeMax – Change in mean of the maximum rate of contraction  ChangeMin – Change in mean of the maximum rate of relaxation  CO2 – treatments containing 2% carbon dioxide and 98% air  O2 – treatments containing oxygen only  Combined – treatment containing a combination of low oxygen, low pH, and a high concentration of potassium</p>

FILES ARE AVAILABLE AT: <https://doi.org/10.25773/aamf-fb65>

**Keywords**

Elasmobranch, Cardiac Function, Hyperkalemia, Capture Stress, Post-Release Mortality

### **Associated Publication**

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