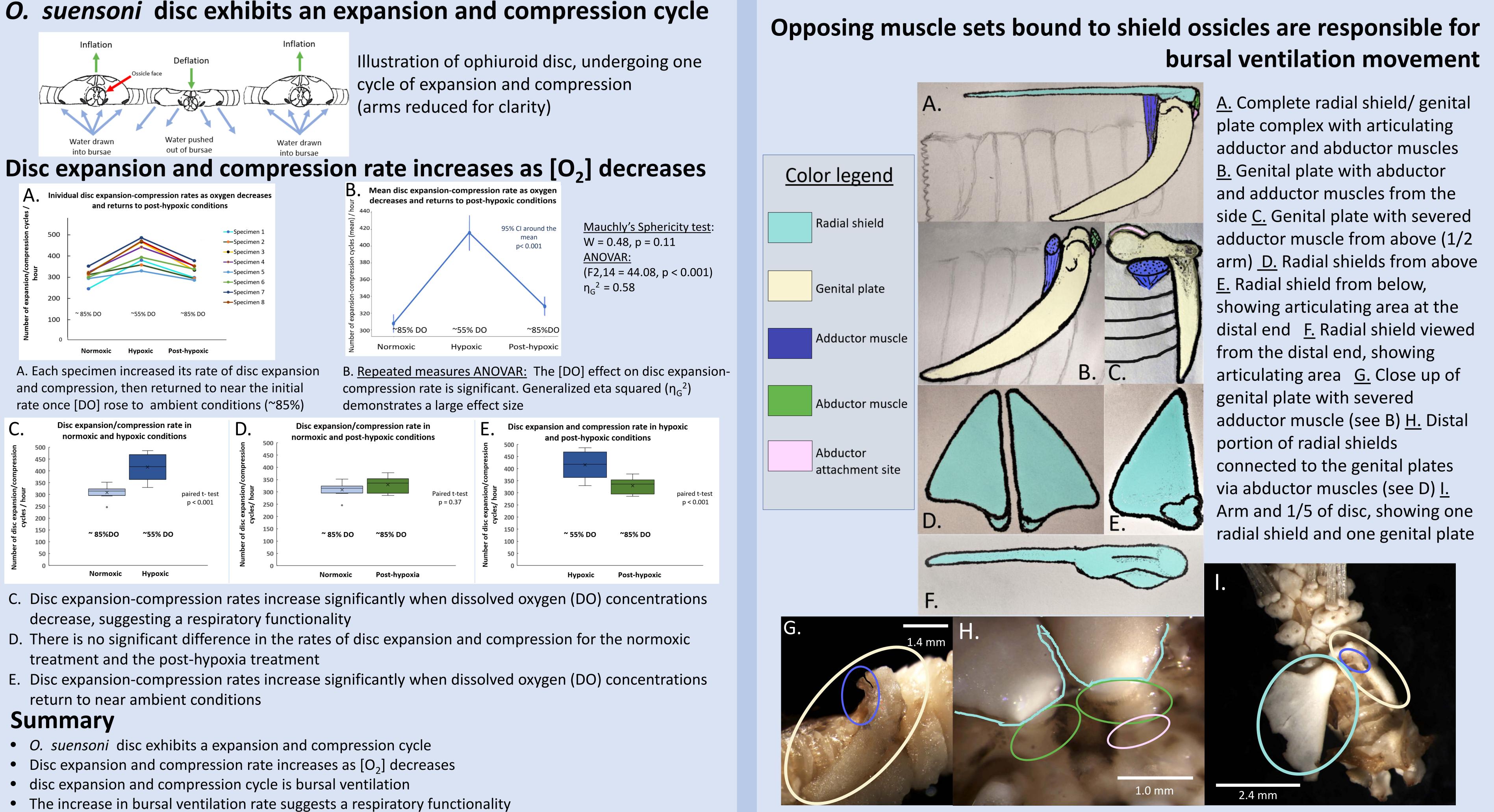
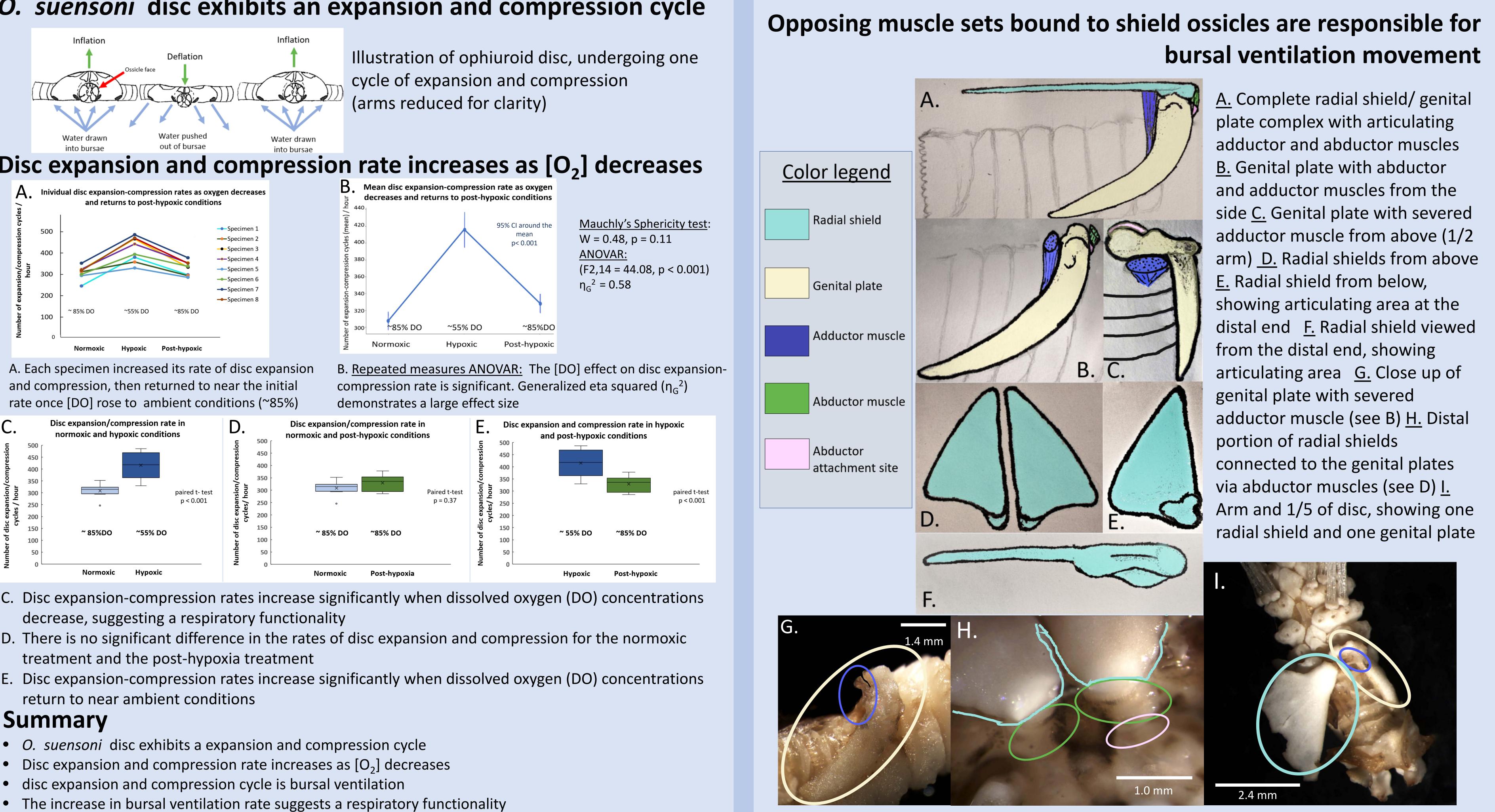


- I hypothesize O. suensoni will increase its rate of bursal ventilation when exposed to hypoxic conditions





Just Breathe: Ophiuroid reacts to hypoxic conditions, and the anatomy responsible A for bursal ventilation

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Introduction

• Ophiuroids make a significant component of biomass, species diversity, and abundance world wide (Hyman 1955, O'Hara 2014, 2017). • Changing climate and resulting detrimental effects like oxygen minimum/dead zones can have profound, negative effects on ophiuroid populations, and on their surrounding ecosystem. • Understanding how ophiuroids cope with hypoxic situations including their physiological responses may help us predict how their populations will be effected hypoxic events.

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