Dear NHRC Members:

We are pleased to share that Drs. Patrick McNamara and Marjorie Makoni will serve as Guest Editors for an upcoming Journal of Visual Experiments (JoVE) Topical Collection focused on making neonatal hemodynamics more accessible through visual case-based learning.

Here is a link to the special web edition website: https://www.jove.com/methods-collections/5416/neonatal-hemodynamics-a-visual-guide-to-physiology-guided-care-across-common-neonatal-disease-states

The collection will demonstrate how the same standardized hemodynamic assessment can be applied across neonatal disease states to identify distinct physiologic phenotypes, answer bedside clinical questions, and guide individualized management. We are seeking contributions showcasing the following cases.

1. LV systolic dysfunction
2. Chronic pulmonary hypertension
3. Meconium Aspiration Syndrome with acute pulmonary hypertension
4. Congenital Diaphragmatic Hernia
5. Hypoxic Ischemic Encephalopathy Physiology
6. Vein of Galen malformation
7. Post-PDA ligation Physiology
8. Transitional hypotension
9. Septic shock
10. Hypertrophic cardiomyopathy
11. HD guided ECMO care

We encourage fellows and junior faculty to partner with senior hemodynamics faculty. Having previously published with JoVE we have an approved echo framework and video script aligned with ASE guidelines which we will provide to each team. This will allow contributing teams to focus on the clinical scenario, hemodynamic phenotype, interpretation, and key teaching points rather than recreating the core echo protocol.

JoVE has videography teams worldwide allowing broad international participation. The publication fees are $2400 for Standard Access and $4200 for Open Access and this fee includes video production costs.

If interested, please send an e-mail to megan-hudak@uiowa.edu with your proposal, clinical scenario phenotype, and author team. We hope to bring together contributors from around the world to demonstrate the breadth and practical applicability of neonatal hemodynamics.

Thank you!