



Identifying Opportunities to Improve the Care of Children with Kawasaki Disease in Concordance with National Guidelines

Stephanie Syu, MD¹, Riley Boland, MD¹, Michelle Kelly MD, MS¹, Erica Terry², Allison Krivanec², Monica Bogenschutz, PharmD², Jodie Ritchie, PharmD², Michelle Brenson, RN³, Ryan Coller, MD, MPH¹, Sabrina Butteris, MD¹, Mary Ehlenbach, MD¹, Kirstin Nackers, MD¹, Daniel Sklansky, MD¹, Kristin Tiedt, MD¹, Kristin Shadman, MD¹, Sarah Webber, MD¹, Carrie Nacht, MPH¹, and Ann Allen, MD¹

¹University of Wisconsin School of Medicine and Public Health, Department of Pediatrics

²American Family Children's Hospital ³SSM Health St. Mary's Madison



Department of Pediatrics
UNIVERSITY OF WISCONSIN
SCHOOL OF MEDICINE AND PUBLIC HEALTH



BACKGROUND

- Kawasaki disease (KD) is the leading cause of acquired heart disease in children in developed countries
- American Heart Association (AHA) released clinical guidelines in 2017 regarding best practices for diagnosing and managing children with KD
- Institutional adherence to these guidelines has not been evaluated

A 5-year retrospective chart review of pediatric patients with **Kawasaki disease** revealed *opportunities for improvement* in consultation, treatment of refractory cases, and follow up care.

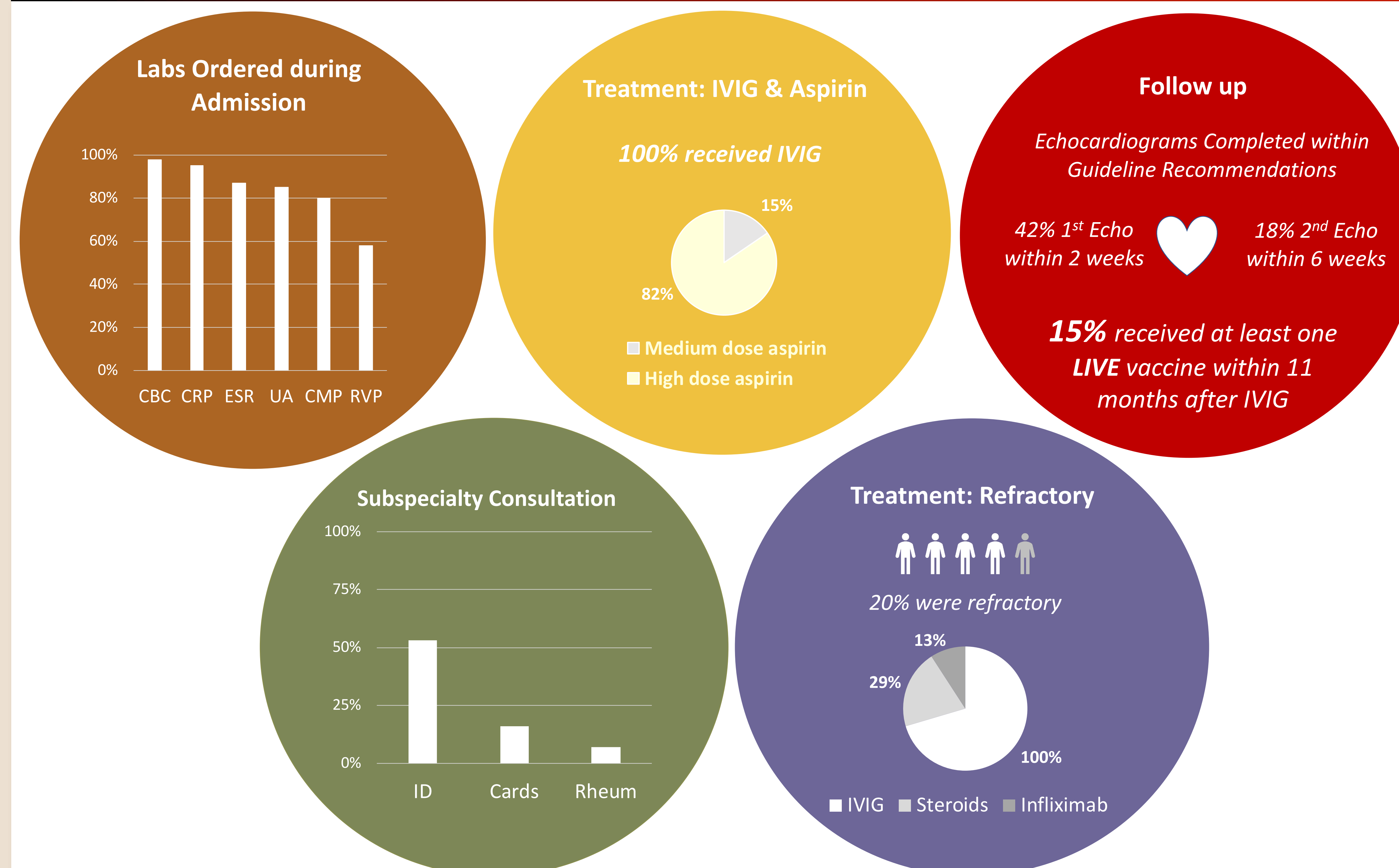
CONCLUSIONS

- Opportunities exist to improve care for patients with KD based on recently published clinical guidelines
- These data will be used in a quality improvement project to standardize initial evaluation, inpatient consultation, timing and treatment of IVIG refractory cases, as well as post-discharge KD care

METHODS

- Retrospective chart review of 55 children 0-18 years old with discharge code for KD was conducted at two Midwest hospitals (academic and community) between January 2014 – December 2018
- Electronic health record data were summarized in the context of AHA recommendations, included laboratory, consultation, echocardiogram, and medication and vaccine administration information

RESULTS



ADDITIONAL INFORMATION

Reference:

McCrindle BW, Rowley AH, Newburger JW, et al. Diagnosis, treatment, and long-term management of Kawasaki disease: a scientific statement for health professionals from the American Heart Association. *Circulation*. 2017;135(17):e927-e999.

Contact:

Ann Allen, MD

ahallen@pediatrics.wisc.edu

Stephanie Syu, MD

Ssyu@uwhealth.org