

Guideline Development for Pediatric ERAS

Mary Brindle MD MPH

University of Calgary

Ariadne Labs, Harvard TH Chan School of Public Health





No Conflicts

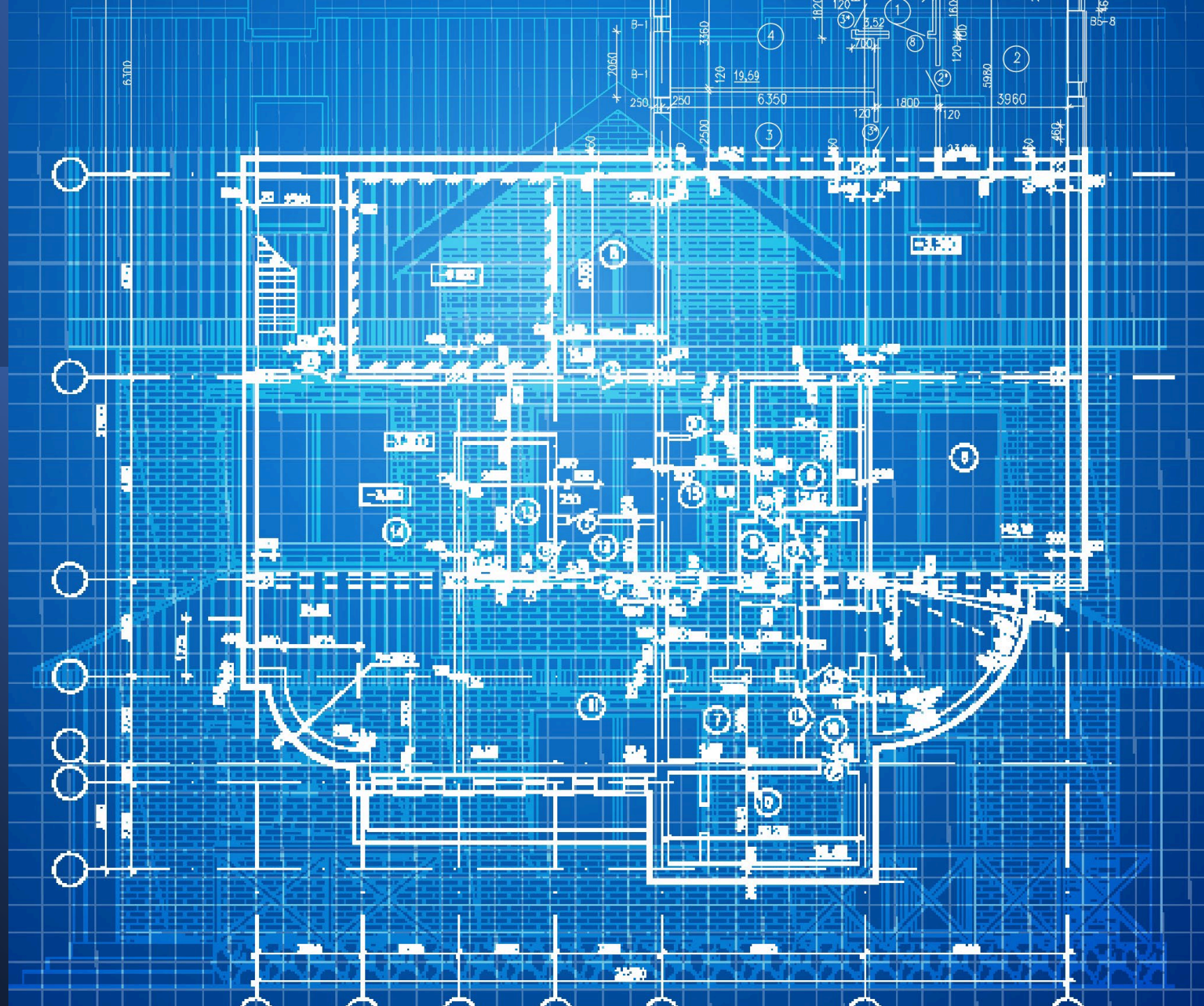
Funding from CIHR, MNCY
Thank you, K Rove, M Brockel, M Raval

Outline

- Adaption of ERAS guidelines for use in children
- Developing a Pediatric Guideline from Scratch
- Horizontal and Vertical Adoption of ERAS

Starting
Pediatric ERAS

Sometimes we
have a
blueprint





Contents lists available at ScienceDirect

Journal of Pediatric Surgery

journal homepage: www.elsevier.com/locate/jped surg



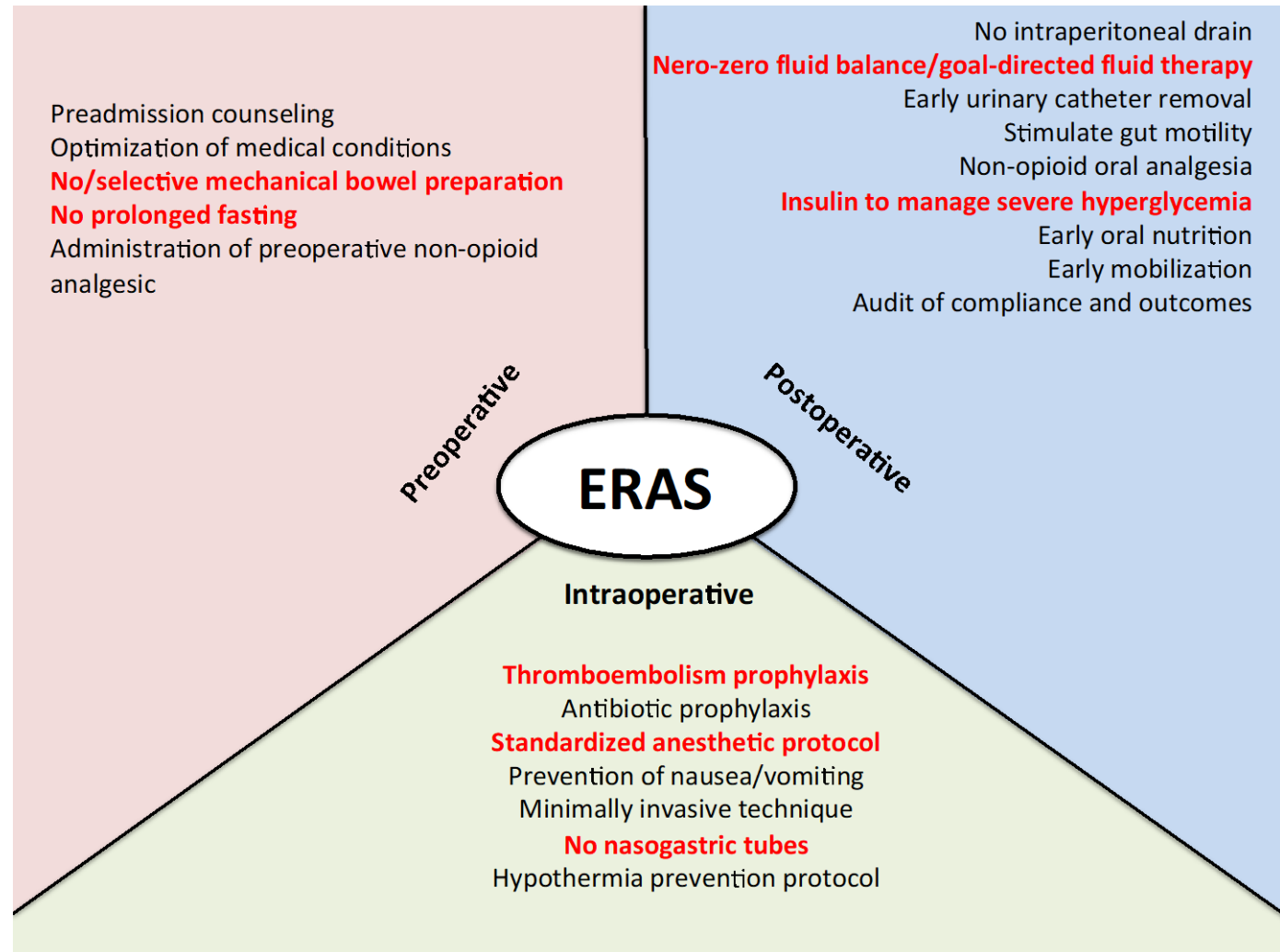
Colorectal/Cloaca

Implementation of an enhanced recovery protocol in pediatric colorectal surgery[☆]

Heather L. Short^a, Kurt F. Heiss^a, Katelyn Burch^a, Curtis Travers^b, John Edney^c,
Claudia Venable^c, Mehul V. Raval^{a,*}



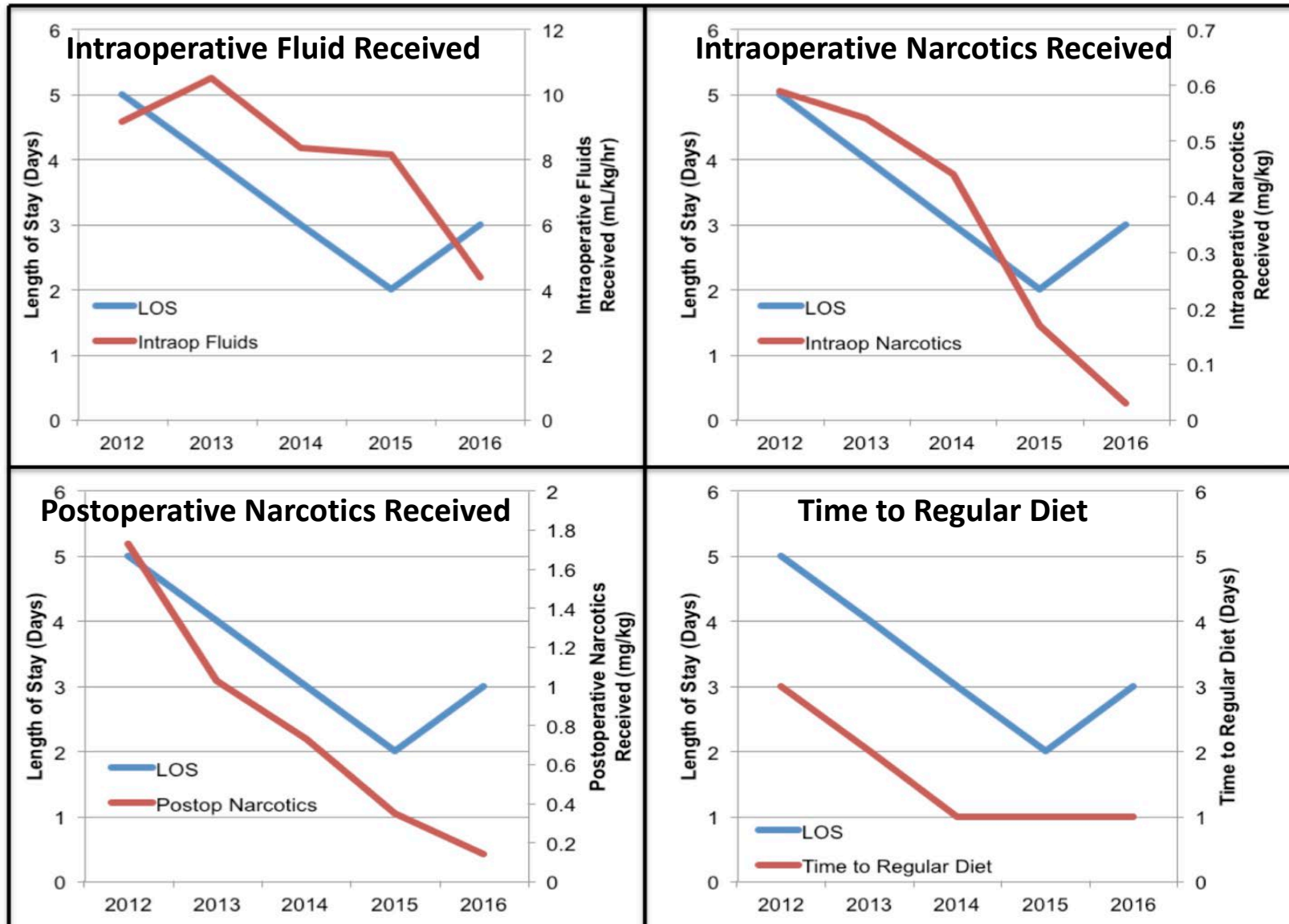
Adopting the Adult Colorectal ERAS protocol in children



The elements in black had consensus for adoption among pediatric surgeons

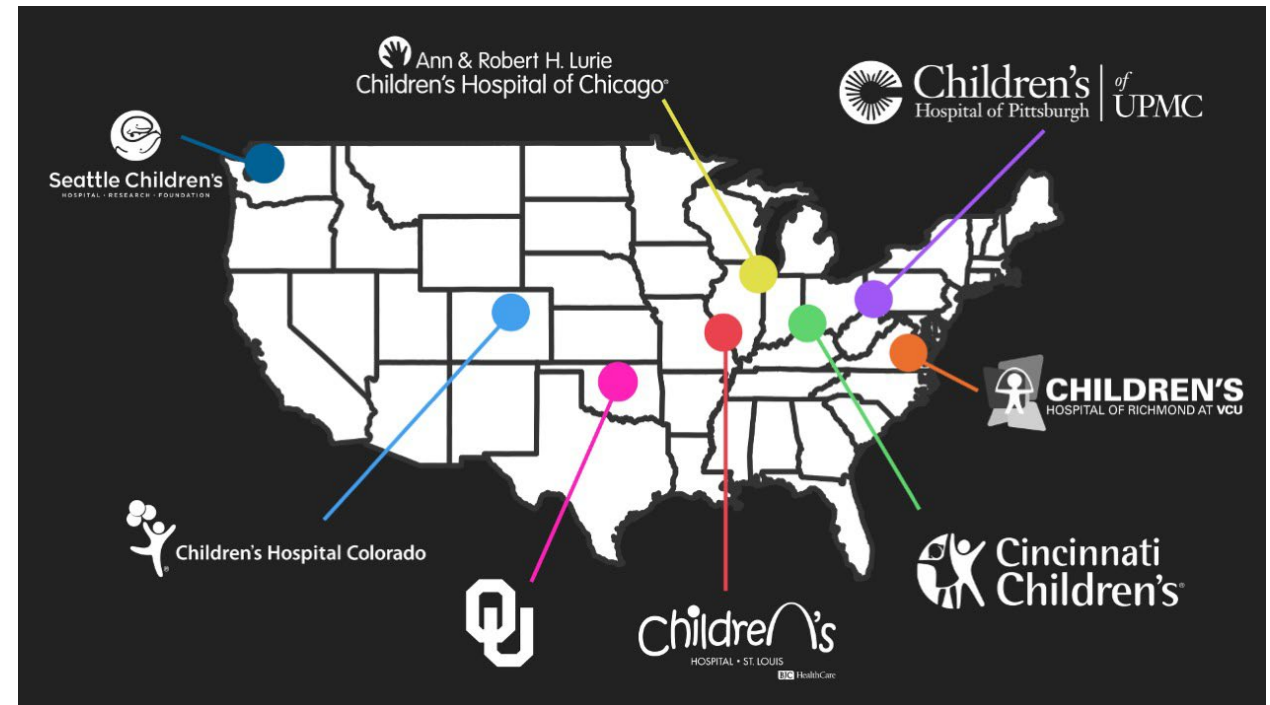
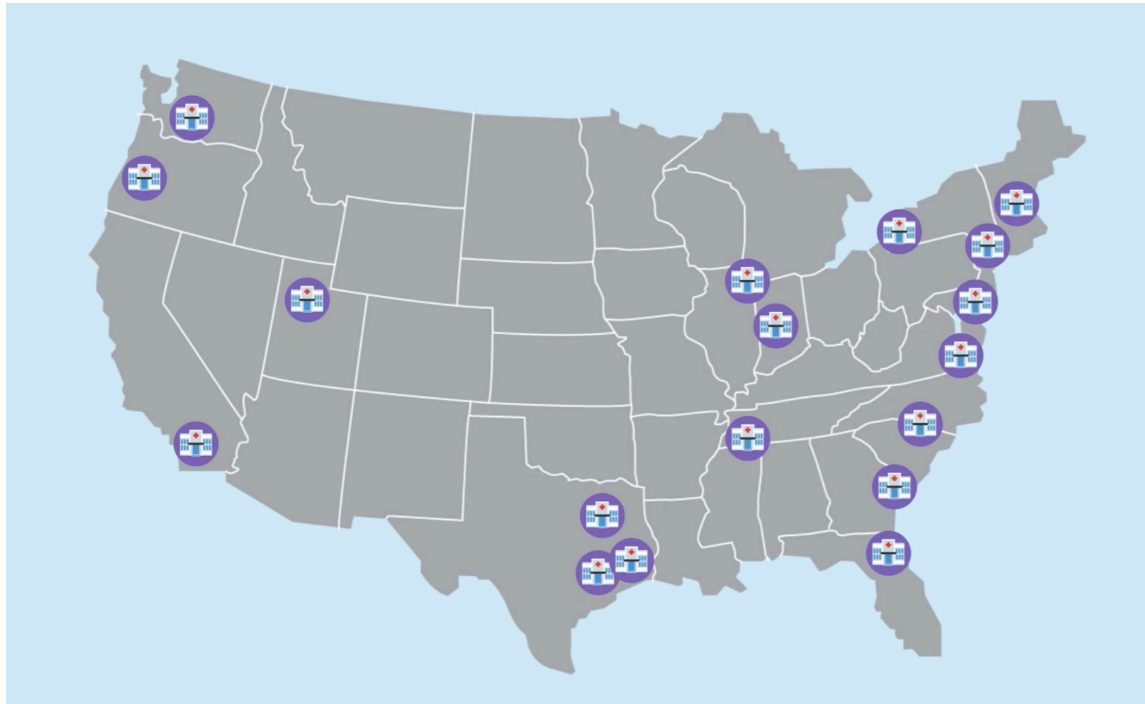
The elements in red were areas without consensus

Improvement in Outcomes



Large US ERAS Adaption and Implementation Studies

ENRICH-US and PURSUE



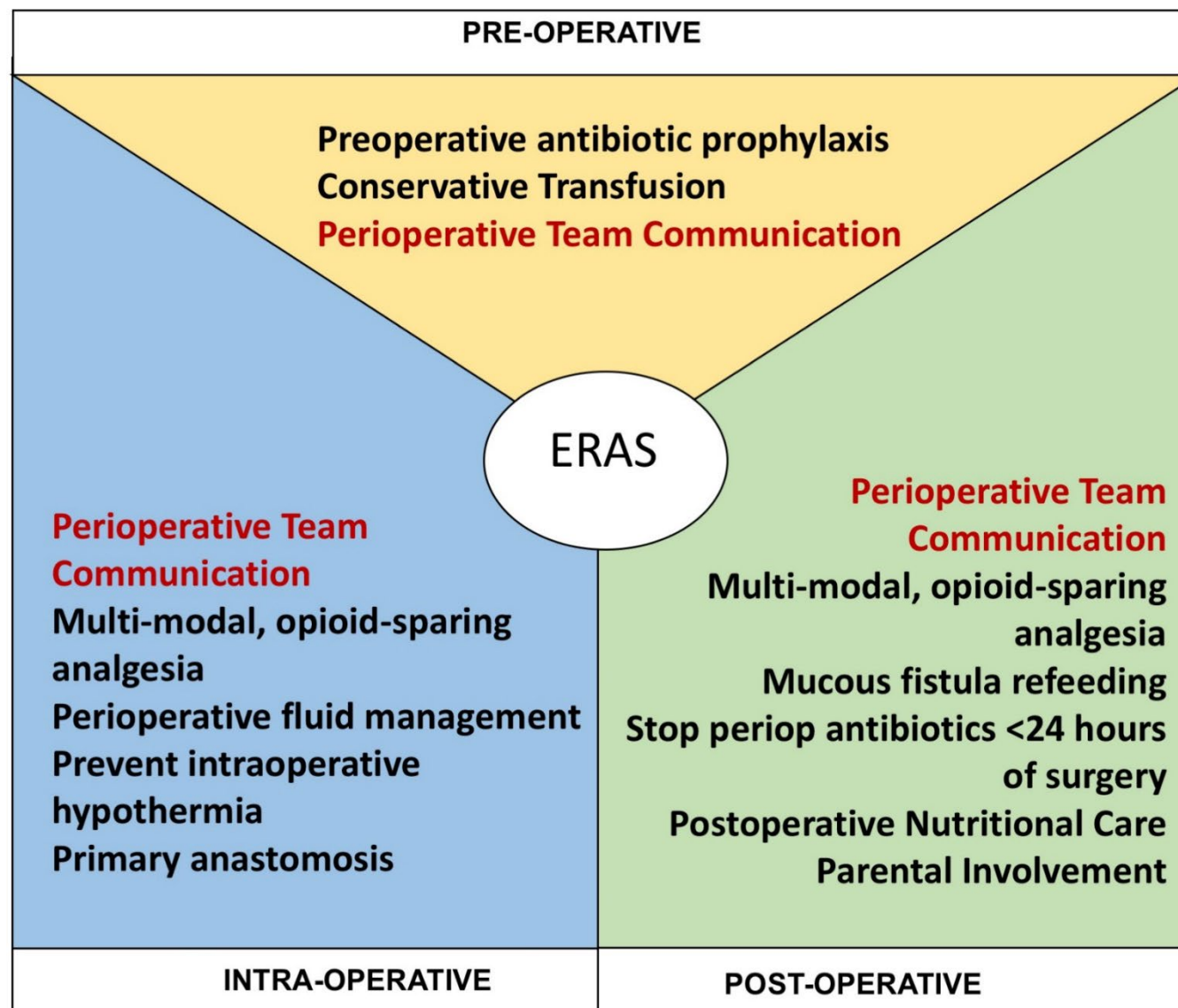
Creating a New Guideline: Neonatal ERAS



BMJ Open Creation of an Enhanced Recovery After Surgery (ERAS) Guideline for neonatal intestinal surgery patients: a knowledge synthesis and consensus generation approach and protocol study



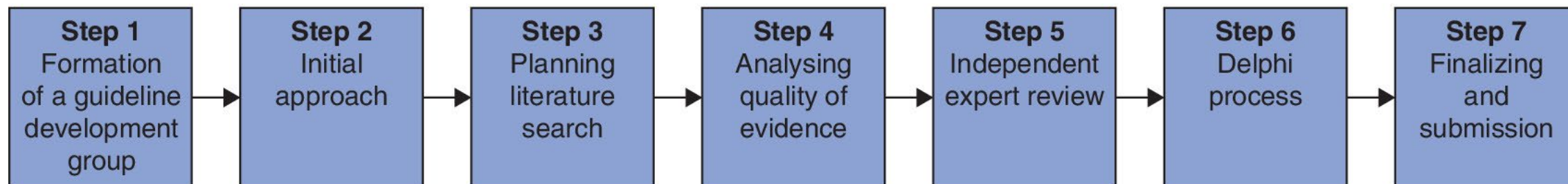
**Consensus Guidelines for Perioperative Care in Neonatal
Intestinal Surgery: Enhanced Recovery After Surgery (ERAS®)
Society Recommendations**



Original article | [Open Access](#) |  

Recommendations from the ERAS® Society for standards for the development of enhanced recovery after surgery guidelines

M. Brindle✉, G. Nelson, D. N. Lobo, O. Ljungqvist, U. O. Gustafsson





NEONATAL ERAS FOR ALL: THE ERAS NICU

Using ERAS: The Matrix of Adoption

Adopt ALL elements for SOME patients

Adopt SOME elements for ALL patients

Vertical Adoption: Classic ERAS

ERAS ELEMENT	Condition A	B	C	D
Action 1	Yes	No	No	No
Action 2	Yes	No	No	No
Action 3	Yes	No	No	No
Action 4	Yes	No	No	No

Horizontal: (some) ERAS for all

ERAS ELEMENT	Condition A	B	C	D
Action 1	Yes	Yes	Yes	Yes
Action 2	No	No	No	No
Action 3	No	No	No	No
Action 4	No	No	No	No

Thank you



MBrindle@ariadnelabs.org



@MaryEBrindle