

Appendix 1 (part 1 of 5): Questionnaire about need for a randomized controlled trial concerning the need for stress ulcer prophylaxis in critically ill children. The survey was conducted electronically.

Page exit logic: Eligibility

IF: Question "Are you an intensivist working in a Canadian PICU?" is one of the following answers ("Yes, but I have already replied to this survey", "No, I have received this email in error") **THEN:** Disqualify and display: Thank you for your interest in our survey. If you have any questions please contact Mark Duffett at duffetmc@mcmaster.ca.

Are you an intensivist working in a Canadian PICU? *

- Yes
- Yes, but I have already replied to this survey
- No, I have received this email in error

LOGIC Show/hide trigger exists.

Do you believe a large rigorous RCT focusing on stress ulcer prophylaxis in children is needed?

- Yes
- No

LOGIC Hidden by default Hidden unless: Question "Do you believe a large rigorous RCT focusing on stress ulcer prophylaxis in children is needed?" is one of the following answers ("Yes")

Why do you believe that an RCT is needed?

LOGIC Hidden by default Hidden unless: Question "Do you believe a large rigorous RCT focusing on stress ulcer prophylaxis in children is needed?" is one of the following answers ("No")

Why do you believe that an RCT is not needed?

Appendix 1 (part 2 of 5): Questionnaire about need for a randomized controlled trial concerning the need for stress ulcer prophylaxis in critically ill children. The survey was conducted electronically.

What interventions should such a trial compare?
(select all that apply)

- placebo
- proton-pump inhibitor (PPI)
- histamine-2 receptor antagonist (H2RA)
- sucralfate
- other - please specify:

Are there patients who you believe should **not** receive placebo, and thus be **excluded** from such a trial?
(Select all that apply)

Patients who:

- have a severe head injury
- have burns
- have severe thrombocytopenia
- have severe coagulopathy
- are receiving therapeutic anticoagulation
- are receiving prophylactic anticoagulation
- are receiving high dose corticosteroids (>1-2 mg/kg/day of prednisone equivalent)
- are on extracorporeal membrane oxygenation (ECMO)
- are NPO
- were receiving an H2RA or PPI at home, if medically indicated
- were receiving an H2RA or PPI at home, regardless of the reason
- other - please specify:

- None of the above

Appendix 1 (part 3 of 5): Questionnaire about need for a randomized controlled trial concerning the need for stress ulcer prophylaxis in critically ill children. The survey was conducted electronically.

In your opinion, which patients in the PICU should **typically** receive stress ulcer prophylaxis?
(Select all that apply)

no patients

all patients

Patients receiving invasive ventilation:

all who are receiving invasive ventilation

who are receiving invasive ventilation **and** are NPO

who are expected to receive invasive ventilation for 2 days or more

who are expected to receive invasive ventilation for 2 days or more **and** are NPO

Patients receiving non-invasive ventilation:

all who are receiving non-invasive ventilation

who are receiving non-invasive ventilation **and** are NPO

who are expected to receive non-invasive ventilation for 2 days or more

who are expected to receive non-invasive ventilation for 2 days or more **and** are NPO

Other patients

all who are NPO

subpopulations (e.g., severe TBI, ECMO, spinal cord injury, etc) - please specify:

other - please specify:

Appendix 1 (part 4 of 5): Questionnaire about need for a randomized controlled trial concerning the need for stress ulcer prophylaxis in critically ill children. The survey was conducted electronically.

If you use stress ulcer prophylaxis, which of the following would trigger you to **stop** prophylaxis - assuming the patient has no signs of bleeding?

(Select all that apply)

When the patient is:

- no longer mechanically ventilated
- no longer mechanically ventilated **and** receiving ANY feeds
- no longer mechanically ventilated **and** receiving FULL feeds
- receiving ANY feeds
- receiving FULL feeds
- discharged from the PICU
- other - please specify:
- none of the above
- I do not use stress ulcer prophylaxis

Given the lack of current data, what is your estimate of the rate of clinically important upper GI bleeding today in children invasively mechanically ventilated for at least 48 hours **and receiving prophylaxis** with either H2RA or PPI?

LOGIC Show/hide trigger exists.

Would you be interested in participating in a stress ulcer prophylaxis trial?

- Yes
- It depends
- No

LOGIC Hidden by default Hidden unless: Question "Would you be interested in participating in a stress ulcer prophylaxis trial?" is one of the following answers ("No")

Why are you not interested in participating in a trial?

LOGIC Hidden by default Hidden unless: Question "Would you be interested in participating in a stress ulcer prophylaxis trial?" is one of the following answers ("It depends")

Appendix 1 (part 5 of 5): Questionnaire about need for a randomized controlled trial concerning the need for stress ulcer prophylaxis in critically ill children. The survey was conducted electronically.

What does it depend on?

For how many years have you been in independent critical care practice?

We welcome any additional comments you may have:

Would you like to receive a brief summary of the results of the survey when it is completed?

- Yes
- No