

MPOG SUSTAINABILITY MEASURE BUNDLE

GLOBAL WARMING FOOTPRINT

SUS-02: Global Warming Footprint, Maintenance

Description: Percentage of cases where carbon dioxide equivalents (CO₂ eq) normalized by hour for cases receiving halogenated agents and/or nitrous oxide is less than CO₂ eq of 2% sevoflurane at 2L FGF = 2.83 kg CO₂/hr during the maintenance period of anesthesia.

Threshold: 90%

Measure Time Period: Intubation to Extubation time

Success: Mean efficiency less than or equal to carbon dioxide equivalents of 2% sevoflurane at 2L FGF = 2.83 kg CO₂/hr or total CO₂eq for the case is less than or equal to 2.83 kg CO₂.

SUS-03: Global Warming Footprint, Induction

Description: Total carbon dioxide equivalents per induction for cases where halogenated agents and/or nitrous oxide was administered during the induction period of anesthesia.

Threshold: N/A

Measure Time Period: Induction Start to Induction End

Success: N/A (informational measure)

FRESH GAS FLOW

SUS-01: Fresh Gas Flow, less than or equal to 3 l/min

Description: Percentage of cases with mean fresh gas flow (FGF) equal to, or less than 3 l/min, during administration of halogenated hydrocarbons and/or nitrous oxide.

Threshold: 90%

Time Period: Intubation to Extubation time

Success: Mean FGF \leq 3 l/min when inspired halogenated hydrocarbons is $>$ 0.2%, or nitrous oxide FGF $>$ 0.2 l/min, during the maintenance period of anesthesia.

SUS-04: Fresh Gas Flow less than/equal to 2 Liters per minute

Description: Percentage of cases with mean fresh gas flow (FGF) equal to, or less than 2L/min, during administration of halogenated hydrocarbons and/or nitrous oxide.

Threshold: 90%

Time Period: Intubation to Extubation Time

Success: Mean FGF \leq 2 l/min when inspired halogenated hydrocarbons is $>$ 0.2%, or nitrous oxide FGF $>$ 0.2 l/min, during the maintenance period of anesthesia.

SUS-06-Peds : Low Fresh Gas Flow, Pediatric Induction

Description: Percentage of pediatric cases with a max fresh gas flow (FGF) equal to or less than a weight-based threshold during the induction phase of anesthesia

Threshold: 90%

Time Period: Induction Start to Intubation (or Induction End)

Success: Mean FGF \leq weight-based max FGF during the induction period of anesthesia

NITROUS OXIDE AVOIDED

SUS-05-Peds: Nitrous Avoided, Induction

Description: Percentage of pediatric cases where nitrous oxide gas was avoided during induction of anesthesia.

Threshold: 90%

Measure Time Period: Induction Start to Intubation. If not available, to Induction End

Success: Nitrous oxide was not administered during the induction period of anesthesia.

SUS-07: Nitrous Avoided

Description: Percentage of adult cases where nitrous oxide is avoided during anesthesia.

Threshold: 90%

Measure Time Period: Anesthesia Start to Anesthesia End

Success: Nitrous oxide was not administered during procedure from Anesthesia Start to Anesthesia End

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