Supplemental: Preoperative Fasting Literature Search Strategy

**Scopus Query**

((TITLE-ABS ("gastric fluid" OR "gastric fluids" OR "gastric volume" OR "gastric fluid volume" OR "gastric emptying" OR "gastrointestinal motility" OR "intestinal motility" OR "stomach emptying" OR "intra operative" OR "Intraoperative" OR "intraoperatively" OR "peroperative" OR "perioperative" OR "peri-operative" OR "pre operative" OR "pre surgery" OR "pre surgical" OR "pre-operative" OR "preoperative" OR "preoperatively" OR "presurgery" OR "presurgical" OR "Postoperative complications" OR "post-operative complications" OR "Postoperative complication" OR "post-operative complication" OR (("post operative" OR "postoperative" OR "postsurgical") AND ("ileus" OR "nausea" OR "vomit" OR "vomiting" OR "vomited" OR "emesis" OR "malnutrition" OR "malnourished" OR "regurgitated" OR "regurgitate" OR "regurgitation")) OR "anesthesia" OR "Anaesthesia" OR "Anaesthetics" OR "anesthetics" OR "pre-anaesthetic" OR "pre-anesthetic" OR "sedation" OR "respiratory aspiration" OR "pulmonary aspiration" OR (("aspiration" OR "aspirate" OR "aspirated" OR "aspirating") AND ("gastric contents")))) AND (TITLE-ABS ((("endoscopy" OR "endoscopies" OR "endoscopic") AND ("fasting" OR "NPO" OR "nil per os" OR "nothing by mouth" OR "nil by mouth")) OR ("water" AND ("fasting" OR "NPO" OR "nil per os" OR "nothing by mouth" OR "nil by mouth" OR "drink" OR "drinks" OR "drinking" OR "drank" OR "ingest" OR "ingesting" OR "ingested" OR "intake" OR "consume" OR "consumed" OR "consuming")) OR ("whey" OR ("Protein" AND ("supplement" OR "supplements" OR "supplemented" OR "drink" OR "drinks" OR "beverage" OR "beverages" OR "liquid" OR "liquids"))) OR ("chewing gum" OR "gum chewing" OR "chew gum" OR "bubble gum" OR "sugarless gum" OR "candy" OR "candies" OR "boiled sweet" OR "boiled sweets") OR (("beverage" OR "beverages" OR "milk" OR "liquid" OR "liquids" OR "clear fluid" OR "clear fluids" OR "juice" OR "juices" OR "energy drink" OR "energy drinks" OR "sport drink" OR "sport drinks" OR "coffee" OR "tea" OR "teas" OR "chicken broth" OR "vegetable broth" OR "beef broth") AND ('fasting'/de OR "fasting" OR "NPO" OR "nil per os" OR "nothing by mouth" OR "nil by mouth")) OR ("carbohydrate" OR "carbohydrates" OR "CHO" OR nutricia\* OR "maltodextrin") OR ("fasting" OR "NPO" OR "nil per os" OR "nothing by mouth" OR "nil by mouth")))) AND NOT ((INDEXTERMS ("case report" OR "case reports")) OR ((INDEXTERMS (animal OR animals)) AND NOT (INDEXTERMS ((animal OR animals) AND (human OR humans))))) AND (LIMIT-TO (DOCTYPE , "ar") OR LIMIT-TO (DOCTYPE , "re")) AND (LIMIT-TO (LANGUAGE , "English"))

**PubMed Query**

((("Fasting"[Mesh] OR "fasting"[tiab] OR "NPO"[tiab] OR "nil per os"[tiab] OR "nothing by mouth"[tiab] OR "nil by mouth"[tiab])) OR (("Dietary Carbohydrates"[Mesh:NoExp] OR "carbohydrate"[tiab] OR "carbohydrates"[tiab] OR "CHO"[tiab] OR nutricia\*[tiab] OR "maltodextrin"[tiab])) OR ((("Beverages"[Mesh] OR "beverage"[tiab] OR "beverages"[tiab] OR "milk"[tiab] OR "liquid"[tiab] OR "liquids"[tiab] OR "clear fluid"[tiab] OR "clear fluids"[tiab] OR "juice"[tiab] OR "juices"[tiab] OR "energy drink"[tiab] OR "energy drinks"[tiab] OR "sport drink" OR "sport drinks"[tiab] OR "coffee"[tiab] OR "tea"[tiab] OR "teas"[tiab] OR "chicken broth"[tiab] OR "vegetable broth"[tiab] OR "beef broth"[tiab]) AND ("Fasting"[Mesh] OR "fasting"[tiab] OR "NPO"[tiab] OR "nil per os"[tiab] OR "nothing by mouth"[tiab] OR "nil by mouth"[tiab]))) OR (("Chewing Gum"[Mesh] OR "chewing gum"[tiab] OR "gum chewing"[tiab] OR "chew gum"[tiab] OR "bubble gum"[tiab] OR "sugarless gum"[tiab] OR "candy"[tiab] OR "candies"[tiab] OR "boiled sweet"[tiab] OR "boiled sweets"[tiab])) OR (((("Dietary Proteins"[Mesh] OR "Protein"[tiab]) AND ("supplement"[tiab] OR "supplements"[tiab] OR "supplemented"[tiab] OR "drink"[tiab] OR "drinks"[tiab] OR "beverage"[tiab] OR "beverages"[tiab] OR "liquid"[tiab] OR "liquids"[tiab])) OR "Whey proteins"[mesh] OR "whey"[tiab])) OR ((("Drinking Water"[Mesh] OR "water"[tiab]) AND ("Fasting"[Mesh] OR "fasting"[tiab] OR "NPO"[tiab] OR "nil per os"[tiab] OR "nothing by mouth"[tiab] OR "nil by mouth"[tiab] OR "drink"[tiab] OR "drinks"[tiab] OR "drinking"[tiab] OR "drank"[tiab] OR "ingest"[tiab] OR "ingesting"[tiab] OR "ingested"[tiab] OR "intake"[tiab] OR "consume"[tiab] OR "consumed"[tiab] OR "consuming"[tiab])))) AND ((("Endoscopy"[Mesh] OR "endoscopy"[tiab] OR "endoscopies"[tiab] OR "endoscopic"[tiab]) AND ("Fasting"[Mesh] OR "fasting"[tiab] OR "NPO"[tiab] OR "nil per os"[tiab] OR "nothing by mouth"[tiab] OR "nil by mouth"[tiab])) OR (("Gastric Emptying"[Mesh] OR "Gastrointestinal Motility"[Mesh:NoExp] OR "gastric fluid"[tiab] OR "gastric fluids"[tiab] OR "gastric volume"[tiab] OR "gastric fluid volume"[tiab] OR "gastric emptying"[tiab] OR "gastrointestinal motility"[tiab] OR "intestinal motility"[tiab]) OR ("intra operative"[tiab] OR "Intraoperative Complications"[Mesh] OR "Intraoperative"[tiab] OR "intraoperatively"[tiab] OR "Perioperative Care"[Mesh] OR "Perioperative Period"[Mesh] OR "perioperative"[tiab] OR "Perioperative Care"[Mesh] OR "Perioperative Period"[Mesh] OR "perioperative"[tiab]) OR ("pre operative"[tiab] OR "pre surgery"[tiab] OR "pre surgical"[tiab] OR "Preoperative Care"[Mesh] OR "pre-operative"[tiab] OR "preoperative"[tiab] OR "preoperatively"[tiab] OR "presurgery"[tiab] OR "presurgical"[tiab]) OR ("Postoperative Complications"[Mesh:NoExp] OR "Postoperative Nausea and Vomiting"[Mesh] OR "Postoperative complications"[tiab] OR "post-operative complications"[tiab] OR "Postoperative complication"[tiab] OR "post-operative complication"[tiab] OR (("post operative"[tiab] OR "postoperative"[tiab] OR "postsurgical"[tiab]) AND ("ileus"[tiab] OR "nausea"[tiab] OR "vomit"[tiab] OR "vomiting"[tiab] OR "vomited"[tiab] OR "emesis"[tiab] OR "malnutrition"[tiab] OR "malnourished"[tiab] OR "regurgitated"[tiab] OR "regurgitate"[tiab] OR "regurgitation"[tiab]))) OR ("Anesthesia"[Mesh] OR "Anesthetics"[Mesh] OR "Anesthetics, Dissociative"[Mesh] OR "Anesthesia, Closed-Circuit"[Mesh] OR "Anesthesia Recovery Period"[Mesh] OR "Adjuvants, Anesthesia"[Mesh] OR "Anesthetics, Intravenous"[Mesh] OR "conscious sedation"[mh] OR "Deep Sedation"[Mesh] OR "anesthesia"[tiab] OR "Anaesthesia"[tiab] OR "Anaesthetics"[tiab] OR "anesthetics"[tiab] OR "pre-anaesthetic"[tiab] OR "pre-anesthetic"[tiab] OR "sedation"[tiab] OR "respiratory aspiration"[mh] OR "respiratory aspiration"[tiab] OR "pulmonary aspiration"[tw]))) AND ((("Clinical Study" [Publication Type:NoExp] OR "Clinical Trial" [Publication Type] OR "Observational Study" [Publication Type] OR "Controlled Clinical Trial" [Publication Type] OR "Guideline" [Publication Type] OR "Review" [Publication Type] OR "Retraction of Publication" [Publication Type] OR "Systematic Review" [Publication Type] OR "Validation Study" [Publication Type] OR "Epidemiologic Studies"[Mesh] OR "Journal Article" [Publication Type:NoExp] OR "systematic review"[tiab] OR "meta-analysis"[tiab] OR "meta analysis"[tiab] OR "metaanalysis"[tiab] OR "systematic overview"[tiab] OR "scoping review"[tiab] OR "integrative review"[tiab] OR "quantitative review"[tiab] OR "quantitative overview"[tiab] OR "cohort"[tiab] OR "case control"[tiab] OR "case controlled"[tiab] OR "controlled trial"[tiab] OR "controlled trials"[tiab] OR "clinical trial"[tiab] OR "clinical trials"[tiab] OR "random"[tiab] OR "randomly"[tiab] OR "randomized"[tiab] OR "randomised"[tiab] OR "single blind"[tiab] OR "double blind"[tiab] OR "single blinding"[tiab] OR "double blinding"[tiab] OR "single blinded"[tiab] OR "double blinded"[tiab] OR (("retrospective"[tiab] OR "retrospectively"[tiab] OR "prospective"[tiab] OR "observational"[tiab] OR "longitudinal"[tiab] OR "longitudinally"[tiab] OR "follow up"[tiab]) AND ("study"[tiab] OR "studies"[tiab])) OR "guideline"[tiab] OR "guidelines"[tiab] OR "clinical study"[tiab] OR "clinical studies"[tiab] OR "validation study"[tiab] OR ("study"[tiab] AND "participants"[tiab]))) NOT "case reports"[ptyp])) NOT ("animals"[mesh] NOT ("animals"[mesh] AND "humans"[mesh]))) Filters: Publication date from 2000/01/01; English Sort by: PublicationDate

**Embase Query**

('stomach emptying'/exp OR 'gastrointestinal motility'/exp OR "gastric fluid":ti,ab OR "gastric fluids":ti,ab OR "gastric volume":ti,ab OR "gastric fluid volume":ti,ab OR "gastric emptying":ti,ab OR "gastrointestinal motility":ti,ab OR "intestinal motility":ti,ab OR "stomach emptying":ti,ab OR 'peroperative complication'/exp OR 'intraoperative period'/de OR "intra operative":ti,ab OR "Intraoperative":ti,ab OR "intraoperatively":ti,ab OR "peroperative":ti,ab OR 'perioperative period'/de OR "perioperative":ti,ab OR "peri-operative":ti,ab OR 'preoperative period'/exp OR "pre operative":ti,ab OR "pre surgery":ti,ab OR "pre surgical":ti,ab OR "pre-operative":ti,ab OR "preoperative":ti,ab OR "preoperatively":ti,ab OR "presurgery":ti,ab OR "presurgical":ti,ab OR 'postoperative complication'/de OR 'postoperative nausea and vomiting'/exp OR "Postoperative complications":ti,ab OR "post-operative complications":ti,ab OR "Postoperative complication":ti,ab OR "post-operative complication":ti,ab OR ("post operative":ti,ab OR "postoperative":ti,ab OR "postsurgical":ti,ab) AND ("ileus":ti,ab OR "nausea":ti,ab OR "vomit":ti,ab OR "vomiting":ti,ab OR "vomited":ti,ab OR "emesis":ti,ab OR "malnutrition":ti,ab OR "malnourished":ti,ab OR "regurgitated":ti,ab OR "regurgitate":ti,ab OR "regurgitation":ti,ab) OR 'anesthesia'/exp OR 'anesthetic agent'/exp OR 'closed circuit anesthesia'/exp OR 'anesthetic recovery'/exp OR 'conscious sedation'/exp OR 'deep sedation'/exp OR "anesthesia":ti,ab OR "Anaesthesia":ti,ab OR "Anaesthetics":ti,ab OR "anesthetics":ti,ab OR "pre-anaesthetic":ti,ab OR "pre-anesthetic":ti,ab OR "sedation":ti,ab OR " acid aspiration"/exp OR "respiratory aspiration":ti,ab OR "pulmonary aspiration":ti,ab OR (aspirat\*:ti,ab and gastric content\*:ti,ab)) AND ((('endoscopy'/exp OR "endoscopy":ti,ab OR "endoscopies":ti,ab OR "endoscopic":ti,ab) AND ('fasting'/de OR "fasting":ti,ab OR "NPO":ti,ab OR "nil per os":ti,ab OR "nothing by mouth":ti,ab OR "nil by mouth":ti,ab)) OR (("Drinking Water"/exp OR "water":ti,ab) AND ('fasting'/de OR "fasting":ti,ab OR "NPO":ti,ab OR "nil per os":ti,ab OR "nothing by mouth":ti,ab OR "nil by mouth":ti,ab OR "drink":ti,ab OR "drinks":ti,ab OR "drinking":ti,ab OR "drank":ti,ab OR "ingest":ti,ab OR "ingesting":ti,ab OR "ingested":ti,ab OR "intake":ti,ab OR "consume":ti,ab OR "consumed":ti,ab OR "consuming":ti,ab)) OR ((('protein intake'/exp OR "Protein":ti,ab) AND ("supplement":ti,ab OR "supplements":ti,ab OR "supplemented":ti,ab OR "drink":ti,ab OR "drinks":ti,ab OR "beverage":ti,ab OR "beverages":ti,ab OR "liquid":ti,ab OR "liquids":ti,ab)) OR 'whey protein'/exp OR "whey":ti,ab) OR ('chewing gum'/exp OR "chewing gum":ti,ab OR "gum chewing":ti,ab OR "chew gum":ti,ab OR "bubble gum":ti,ab OR "sugarless gum":ti,ab OR "candy":ti,ab OR "candies":ti,ab OR "boiled sweet":ti,ab OR "boiled sweets":ti,ab) OR (('beverage'/exp OR "beverage":ti,ab OR "beverages":ti,ab OR "milk":ti,ab OR "liquid":ti,ab OR "liquids":ti,ab OR "clear fluid":ti,ab OR "clear fluids":ti,ab OR "juice":ti,ab OR "juices":ti,ab OR "energy drink":ti,ab OR "energy drinks":ti,ab OR "sport drink" OR "sport drinks":ti,ab OR "coffee":ti,ab OR "tea":ti,ab OR "teas":ti,ab OR "chicken broth":ti,ab OR "vegetable broth":ti,ab OR "beef broth":ti,ab) AND ('fasting'/de OR "fasting":ti,ab OR "NPO":ti,ab OR "nil per os":ti,ab OR "nothing by mouth":ti,ab OR "nil by mouth":ti,ab)) OR ('carbohydrate intake'/de OR "carbohydrate":ti,ab OR "carbohydrates":ti,ab OR "CHO":ti,ab OR nutricia\*:ti,ab OR "maltodextrin":ti,ab) OR ('fasting'/de OR "fasting":ti,ab OR "NPO":ti,ab OR "nil per os":ti,ab OR "nothing by mouth":ti,ab OR "nil by mouth":ti,ab)) AND (('clinical study'/de OR 'clinical article'/de OR 'clinical trial'/exp OR 'major clinical study'/exp OR 'comparative study'/exp OR 'controlled study'/exp OR 'controlled clinical trial'/exp OR 'randomized controlled trial'/exp OR 'validation study'/exp OR 'systematic review'/exp OR 'practice guideline'/exp OR 'review'/exp OR 'observational study'/exp OR "systematic review":ti,ab OR "meta-analysis":ti,ab OR "meta analysis":ti,ab OR "metaanalysis":ti,ab OR "systematic overview":ti,ab OR "scoping review":ti,ab OR "integrative review":ti,ab OR "quantitative review":ti,ab OR "quantitative overview":ti,ab OR "cohort":ti,ab OR "case control":ti,ab OR "case controlled":ti,ab OR "controlled trial":ti,ab OR "controlled trials":ti,ab OR "clinical trial":ti,ab OR "clinical trials":ti,ab OR "random":ti,ab OR "randomly":ti,ab OR "randomized":ti,ab OR "randomised":ti,ab OR "single blind":ti,ab OR "double blind":ti,ab OR "single blinding":ti,ab OR "double blinding":ti,ab OR "single blinded":ti,ab OR "double blinded":ti,ab OR (("retrospective":ti,ab OR "retrospectively":ti,ab OR "prospective":ti,ab OR "observational":ti,ab OR "longitudinal":ti,ab OR "longitudinally":ti,ab OR "follow up":ti,ab) AND ("study":ti,ab OR "studies":ti,ab)) OR "guideline":ti,ab OR "guidelines":ti,ab OR "clinical study":ti,ab OR "clinical studies":ti,ab OR "validation study":ti,ab OR ("study":ti,ab AND "participants":ti,ab)) NOT ('case report'/exp)) AND ('article'/it OR 'article in press'/it OR 'review'/it)