

Rundell, Madison

From: help-ebridge@mcw.edu
Sent: Tuesday, June 17, 2025 2:06 AM
To: Dilday , Joshua; Rundell, Madison
Cc: Herdeman, Caroline
Subject: PRO00054835 Decision Letter



*Medical College of Wisconsin
Institutional Review Board*

To: Joshua Dilday, DO
Madison Rundell
CC: Caroline Herdeman

Date: 6/17/2025

Re Project Title: Evaluation of Triclosan-Coated Barbed Suture Following Emergency Laparotomy: A Multicenter Retrospective and Prospective Cohort Study
IRB Approval Date: 6/17/2025
PRO ID: [PRO00054835](#)

The MCW Institutional Review Board #5 has granted an exemption from IRB oversight for the above-referenced submission in accordance with 45 CFR 46.104(d) 4.

The items listed below were submitted and reviewed when the IRB approved this submission. Research must be conducted according to the IRB-approved documents listed below:

PRO - TCB Sutures in Emergency Laparotomy
DCF - Stratafix MCT

Given that the current project does not involve direct contact with subjects, an informed consent process is not required. The IRB has granted approval of a waiver of HIPAA authorization requirements at 45 CFR 164.

Decedent data may be accessed in accordance with 45 CFR 164.512.

The Principal Investigator is responsible for notifying the IRB via Amendment prior to initiation of any additions or modifications made to this project. On an annual basis, you will be asked to complete an exempt status update report, so that the IRB can maintain an accurate record of all current projects. **If a response is not received within one year, the project will be automatically completed within the system and any activities conducted after closure will be considered research conducted without IRB approval.**

Exempt Category #4 projects no longer require Froedtert Office of Clinical Research and Innovative Care Compliance (OCRICC) review and approval.

In order to meet the requirement of accounting for all use and disclosures of Protected Health Information (PHI) for the purpose of research without patient authorization, research staff must complete an Accounting Log specific to that project's disclosure. This must be completed electronically via the web-based Accounting Log Form located [here](#). Upon completion, this log will be submitted directly to Froedtert Health Information Management (HIM) and will be considered valid for the length of the IRB Approval of the study. At time of government audit or other administrative request, researchers must be able to produce their less than 50 screening list within 48 business hours, if requested. Principal Investigators are ultimately accountable for the conduct of their research.

Be advised:

1. MCW Researchers are required to use the Medical College of Wisconsin (MCW) Clinical Translational Science Institute (CTSI) Clinical Research Data Warehouse (CRDW) resources and tools for obtaining formal Reports of PHI data, images, etc.
2. Requests for financial, cost or other data not yet available through the CRDW: MCW researchers will need to complete an F&MCW Reports, Data & Analysis Request <https://remedy-prod-smartit.s1.fchhome.com/ux/myitapp/#/catalog/home>. Researchers must attach a copy of the project IRB Registration Letter & the Data Collection Form (DCF) to your Report Request. This process does require a Froedtert network account. To obtain Froedtert network access, work with your Department Administrative personnel.
3. Questions regarding access to FH data or OCRICC review and approval, please contact OCRICC office: ocricc@froedtert.com

Please complete your project within eBridge when all project activities have been completed.

If you have any questions, please contact the IRB Coordinator II for this IRB Committee, AnaKaren Manriquez Prado, at 414-955-8572 or amanriquez@mcw.edu.

Demographics

Record ID

Select arm participant will be entered into

- Retrospective arm (cases from 2021-2024)
- Prospective arm

Year pt presented to hospital

Age at presentation

_____ (90 years or older write in "90 or above")

Sex

- Male
- Female
- Unknown

Race

- American Indian/Alaska Native
- Asian
- Native Hawaiian or Other Pacific Islander
- Black or African American
- White
- More than one race
- Unknown or not reported

Ethnicity

- Not Hispanic or Latino
- Hispanic or Latino
- Unknown or not reported

Weight (kg)

Height (cm)

BMI (from EMR)

BMI

Medical History

Comorbidities (select all that apply)

- Congestive Heart Failure
- Coronary Artery Disease
- Chronic Obstructive Pulmonary Disease
- Cirrhosis Child Pugh A
- Cirrhosis Child Pugh B
- Cirrhosis Child Pugh C
- Cerebrovascular accident / Stroke
- End-stage Renal Disease
- Chronic Kidney Disease (unspecified)
- Chronic Kidney Disease - Stage 1
- Chronic Kidney Disease - Stage 2
- Chronic Kidney Disease - Stage 3
- Chronic Kidney Disease - Stage 4
- Hx Malignancy
- Current Malignancy
- Disseminated metastatic cancer
- Myotonic Dystrophy Type 1
- Non-insulin Dependent Diabetes Mellitus
- Insulin Dependent Diabetes Mellitus
- Immunosuppression
- Rheumatic Disease
- Autoimmune Disease
- Marfan Syndrome
- Ehlers Danlos Syndrome
- Loeys Dietz Syndrome
- Steroid Use
- Thrombophilia disorder (e.g., Factor V Leiden, Protein c, s deficiency)
- Coagulation disorder (e.g., Hemophilia, von Willebrand disease)
- Bleeding disorder (e.g., ITP, TTP, Spherocytosis, Uremic platelet dysfunction)
- Prior abdominal wall hernia
- Prior abdominal wall hernia repair
- Alcohol use disorder
- None of the above

Smoking status (tobacco smoking only)

- Never smoked
- Past smoker
- Current smoker
- Unknown

History of prior laparotomy?

- Yes
- No

History of prior abdominal mesh placement?

- Yes
- No

Presentation

Service: Trauma
 Emergency General Surgery (EGS)

Type of trauma: Penetrating
 Blunt
 Blast

Penetrating MOI: Stab wound
 Gunshot wound
 Other

Specify "other": _____

Blunt MOI: Motor Vehicle Collision
 Motorcycle Collision
 Ground-level fall
 Fall from height (greater than ground level)
 Burn
 Pedestrian Struck by Vehicle
 Crush
 Assault/Battery
 Other

Specify "other": _____

Systolic BP on arrival _____

Diastolic BP on arrival _____

Heart Rate on arrival _____

Respiratory Rate on arrival _____

Temperature (F) on arrival _____

Injury Severity Score (ISS) _____

Abdominal Abbreviated Injury Score (AIS) 0
 1
 2
 3
 4
 5
 6

Emergency Surgery Score _____

Resuscitative Thoracotomy Performed

 Yes
 No**Last vitals taken before index laparotomy**

Pre-op Systolic BP

Pre-op Diastolic BP

Pre-op Heart Rate

Pre-op Temperature (F)

Pre-op Respiratory Rate

Pre-op labs (most recent within 24 hours of index operation)

Hemoglobin

(If not done or unknown enter 999)

White blood cells

(If not done or unknown enter 999)

Platelets

(If not done or unknown enter 999)

pH

(If not done or unknown enter 999)

Base deficit

(If not done or unknown enter 999)

INR

(If not done or unknown enter 999)

Partial Thromboplastin Time

(If not done or unknown enter 999)

Creatinine

(If not done or unknown enter 999)

GFR

(If not done or unknown enter 999)

Lactate

(If not done or unknown enter 999)

Pre-operative Medications

Did the patient take any steroid medications pre-operatively (oral or intravenous only)?

Yes
 No

Did the patient take any immunosuppressive medications pre-operatively?

Yes
 No

Blood Products Administered 24 Hours Prior to Index Operation

Did the patient receive blood products/TXA within the 24 hours prior to index operation?

Yes
 No

Units of whole blood administered:

Units of PRBC administered:

Units of platelets administered:

Units of FFP administered:

Units of cryo administered:

Was TXA administered within the 24 hours prior to index operation?

Yes
 No

TXA (g) administered:

Yes
 No

Index Operation

Please answer ALL questions in this form for the ----- index operation only ----- even if delayed primary closure was performed later

Index operation fascial closure

- Primary
 Delayed / Temporary abdominal closure

Wound Classification

- Class I (clean)
 Class II (clean-contaminated)
 Class III (contaminated)
 Class IV (dirty/infected)

ASA Class

- I
 II
 III
 IV
 V
 VI

Was the operation considered damage control?

- Yes
 No

Pre-operative diagnosis

- Mesenteric Ischemia
 Gastric perforation
 Small bowel perforation
 Large bowel perforation
 Rectal perforation
 Small bowel obstruction
 Large bowel obstruction
 Appendicitis
 Diverticulitis
 Upper GI bleeding
 Lower GI bleeding
 Other

Specify other

Other than primary reason for operation, does the patient have any associated injuries?

- Yes
 No

Associated Injuries (select all that apply)

- Liver
- Biliary system and gallbladder
- Pancreas
- Spleen
- Esophagus
- Stomach
- Small bowel duodenum
- Small bowel jejunum and ileum
- Colon ascending
- Colon traverse
- Colon descending
- Rectum / intraperitoneal
- Rectum / extraperitoneal
- Vascular celiac artery, SMA, IMA or arterial branch
- Vascular portal vein or branch
- Vascular IVC or hepatic vein
- Kidney
- Ureter
- Bladder
- Upper extremity vascular
- Lower extremity vascular
- Intra-abdominal vascular
- Extremity soft tissue
- Skeletal Upper Extremity
- Skeletal Lower Extremity
- Skeletal Spine
- Cardiac
- Lung
- Diaphragm
- Trachea
- Rectal / perianal
- Cranial / intracranial
- Other

Specify Other:

Operative Intervention (select all that apply)

- Liver
- Biliary system and gallbladder
- Pancreas
- Spleen
- Esophagus
- Stomach
- Small bowel duodenum
- Small bowel jejunum and ileum
- Colon ascending
- Colon traverse
- Colon descending
- Rectum / intraperitoneal
- Rectum / extraperitoneal
- Vascular celiac artery, SMA, IMA or arterial branch
- Vascular portal vein or branch
- Vascular IVC or hepatic vein
- Kidney
- Ureter
- Bladder
- Upper extremity vascular
- Lower extremity vascular
- Intra-abdominal vascular
- Extremity soft tissue
- Orthopedic
- Cardiac
- Lung
- Diaphragm
- Trachea
- Rectal / perianal
- Cranial / intracranial
- Non-therapeutic laparotomy

Estimated blood loss (ml)

(if "minimal" enter 5)

Were any blood products administered intraoperatively?

- Yes
- No

Units of whole blood administered intraoperatively

Units of PRBC administered intraoperatively

Units of platelets administered intraoperatively

Units of FFP administered intraoperatively

Units of cryo administered intraoperatively

Was TXA administered intraoperatively

- Yes
- No

TXA administered (g) intraoperatively

Were any intra-abdominal drains placed? Yes
 No

How many intra-abdominal drains were placed? _____

Was any pre-op embolization done? Yes
 No

Pre-op embolization performed (select all that apply) Liver
 Spleen
 Kidney
 Mesentery
 Other

Specify "other" _____

Was any intraoperative embolization done (e.g. in a hybrid suite)? Yes
 No

Intra-operative embolization performed (select all that apply) Liver
 Spleen
 Kidney
 Mesentery
 Other

Specify "other" _____

Was Direct Peritoneal Resuscitation (DPR) performed? Yes
 No

Was fascial ICG performed? Yes
 No

Was mesh used? Yes
 No

Type of mesh used Synthetic
 Biologic

Suture used for fascial closure slowly absorbable non-barbed monofilament suture
 triclosan-coated barbed suture
(example of slowly absorbable non-barbed monofilament suture is PDS; example of triclosan-coated barbed suture is Stratafix)

Suture size 3-0
 2-0
 0
 #1
 #2
 other

Specify "other" _____

Number of sutures used for fascial closure:

Fascial bites in millimeters

Fascial bite travel in millimeters

Fascial closure technique:

- Continuous
 Interrupted

Was the skin closed?

- Yes
 No

Skin closure technique

- Staple
 Suture
 Other

Specify "other"

Suture : Wound Ratio

Wound vacuum placed over open incisional site?

- Yes
 No

Incisional vacuum dressing over closed incision site?

- Yes
 No

Was the patient extubated in the OR after index operation?

- Yes
 No

Between Index Operation and Definitive Closure

Was the patient extubated before definitive closure?

- Yes
 No

What day post-op from index operation was the patient extubated?

In the 24 hours prior to definitive closure were any blood products administered?

- Yes
 No

Units of whole blood administered 24 hours prior to definitive closure:

Units of PRBC administered 24 hours prior to definitive closure:

Units of platelets administered 24 hours prior to definitive closure:

Units of FFP administered 24 hours prior to definitive closure:

Units of cryo administered 24 hours prior to definitive closure:

Was TXA administered within the 24 hours prior to definitive closure?

- Yes
 No

TXA (g) administered 24 hours prior to definitive closure:

Total units of whole blood administered between index operation and definitive closure

Total units of PRBC administered between index operation and definitive closure

Total units of platelets administered between index operation and definitive closure

Total units of FFP administered between index operation and definitive closure

Total units of cryo administered between index operation and definitive closure

Number of operations for laparotomy (e.g. reopening or wound vac takedown) between index operation and fascial closure

Number of days between index operation and fascial closure?

Was any embolization performed in-between index operation and definitive fascial closure?

- Yes
 No

Embolization performed between index operation and definitive fascial closure (select all that apply)

- Liver
- Spleen
- Kidney
- Mesentery
- Other

Specify "other"

What day post-index operation, and before definitive closure, was embolization performed?

Definitive Closure

Please answer ALL questions in this form for the ----- definitive closure operation only ----- index operation information should go in the index operation form

Was the skin closed?

- Yes
 No

Wound Classification

- Class I (clean)
 Class II (clean-contaminated)
 Class III (contaminated)
 Class IV (dirty/infected)

ASA Class

- I
 II
 III
 IV
 V
 VI

Pre-operative diagnosis

- Mesenteric Ischemia
 Gastric perforation
 Small bowel perforation
 Large bowel perforation
 Rectal perforation
 Small bowel obstruction
 Large bowel obstruction
 Appendicitis
 Diverticulitis
 Upper GI bleeding
 Lower GI bleeding
 Other

Operative Intervention (select all that apply)

- Liver
- Biliary system and gallbladder
- Pancreas
- Spleen
- Esophagus
- Stomach
- Small bowel duodenum
- Small bowel jejunum and ileum
- Colon ascending
- Colon traverse
- Colon descending
- Rectum / intraperitoneal
- Rectum / extraperitoneal
- Vascular celiac artery, SMA, IMA or arterial branch
- Vascular portal vein or branch
- Vascular IVC or hepatic vein
- Kidney
- Ureter
- Bladder
- Upper extremity vascular
- Lower extremity vascular
- Intra-abdominal vascular
- Extremity soft tissue
- Orthopedic
- Cardiac
- Lung
- Diaphragm
- Trachea
- Rectal / perianal
- Cranial / intracranial
- Non-therapeutic laparotomy

Estimated blood loss (ml)

(if "minimal" enter 5)

Were any blood products administered intraoperatively?

- Yes
- No

Units of whole blood administered intraoperatively

Units of PRBC administered intraoperatively

Units of platelets administered intraoperatively

Units of FFP administered intraoperatively?

Units of cryo administered intraoperatively?

Was TXA administered intraoperatively?

- Yes
- No

TXA administered (g)

Were any intra-abdominal drains placed? Yes
 No

How many intra-abdominal drains were placed? _____

Was any intraoperative embolization performed during definitive fascial closure? Yes
 No

Intraoperative embolization performed during definitive fascial closure (select all that apply) Liver
 Spleen
 Kidney
 Mesentery
 Other

Specify "other" _____

Was Direct Peritoneal Resuscitation (DPR) performed? Yes
 No

Was fascial ICG performed? Yes
 No

Was mesh used? Yes
 No

Type of mesh used Synthetic
 Biologic
 Biosynthetic

Suture used for fascial closure slowly absorbable non-barbed monofilament suture
 triclosan-coated barbed suture
(example of slowly absorbable non-barbed monofilament suture is PDS; example of triclosan-coated barbed suture is Stratafix)

Suture size 3-0
 2-0
 0
 #1
 #2
 other

Specify "other" _____

Number of sutures used for fascial closure: _____

Fascial bites in millimeters _____

Fascial bite travel in millimeters _____

Fascial closure technique used Continuous
 Interrupted

Skin closure technique

- Staple
- Suture
- Other

Specify "other"

Suture : Wound Ratio

Incisional vacuum dressing placed over closed incision site?

- Yes
- No

Was the pt extubated in the OR after definitive closure?

- Yes
- No

What day post-op definitive closure was the patient extubated?

Post-op Hospital Admission

Blood product administration

Were any blood products administered after fascial closure?

Yes

No

Units of whole blood administered after fascial closure

Units of PRBC administered after fascial closure

Units of platelets administered after fascial closure

Units of FFP administered after fascial closure

Units of cryo administered after fascial closure

Was TXA administered after fascial closure?

Yes

No

TXA administered (g) after fascial closure

Post-index operation labs (use first value resulted)

Post-index operation hemoglobin

Post-index operation white blood cell count

Post-index operation platelets

Post-index operation pH

Post-index operation base deficit

Post-index operation INR

Post-index operation Partial Thromboplastin Time

Post-index operation creatinine

Post-index operation eGFR

Post-index operation lactate

Post-definitive closure labs (use first value resulted)

Post-definitive closure hemoglobin

Post-definitive closure white blood cell count

Post-definitive closure platelets

Post-definitive closure pH

Post-definitive closure base deficit

Post-definitive closure INR

Post-definitive closure Partial Thromboplastin Time

Post-definitive closure creatinine

Post-definitive closure eGFR

Post-definitive closure lactate

Hospital admission information

Was abdominal embolization performed post-operatively following fascial closure

- Yes
 No

Embolization performed (select all that apply)

- Liver
 Spleen
 Kidney
 Mesentery
 Other

Specify "other"

What day, post-operatively, was embolization performed?

_____ (day of operation = day 0)

Were vasopressors used post-operatively during hospital admission?

- Yes
 No

Were steroids used postoperatively during hospital admission (oral and intravenous only)?

- Yes
 No

Post-operative diagnosis

- Mesenteric Ischemia
 Gastric perforation
 Small bowel perforation
 Large bowel perforation
 Rectal perforation
 Small bowel obstruction
 Large bowel obstruction
 Appendicitis
 Diverticulitis
 Upper GI bleeding
 Lower GI bleeding
 Other

Post-fascial closure complications (select all that apply)

- Renal failure
 Acute kidney injury
 Acute Respiratory Distress Syndrome
 Bacteremia
 Pneumonia
 Sepsis
 Septic shock
 Multisystem organ failure
 Myocardial infarction
 Abdominal compartment syndrome
 Death
 None of the above

Were postoperative antibiotics given for >7 days following fascial closure?

- Yes
 No

Total number of ventilator days during hospital admission:

ICU length of stay - days

Hospital length of stay - days

Complications 1-30 Days Post-op

Event	<input type="checkbox"/> Superficial SSI <input type="checkbox"/> Deep SSI <input type="checkbox"/> Organ space SSI <input type="checkbox"/> Dehiscence <input type="checkbox"/> Evisceration <input type="checkbox"/> Fascial necrosis <input type="checkbox"/> Hernia
Day of hospitalization (post-definitive closure) superficial SSI occurred	_____
How was the superficial SSI treated?	<input type="checkbox"/> Local wound care <input type="checkbox"/> Negative pressure wound therapy <input type="checkbox"/> Drain placement <input type="checkbox"/> Reoperation
Day of hospitalization (post-definitive closure) deep SSI occurred	_____
How was the deep SSI treated?	<input type="checkbox"/> Local wound care <input type="checkbox"/> Negative pressure wound therapy <input type="checkbox"/> Drain placement <input type="checkbox"/> Reoperation
Day of hospitalization (post-definitive closure) organ space SSI occurred	_____
How was the organ space SSI treated?	<input type="checkbox"/> Local wound care <input type="checkbox"/> Negative pressure wound therapy <input type="checkbox"/> Drain placement <input type="checkbox"/> Reoperation
Day of hospitalization (post-definitive closure) dehiscence occurred	_____
How was the dehiscence identified?	<input type="radio"/> On clinical exam <input type="radio"/> Operatively <input type="radio"/> Radiographically
How was the dehiscence treated?	<input type="checkbox"/> Local wound care <input type="checkbox"/> Negative pressure wound therapy <input type="checkbox"/> Reoperation
Day of hospitalization (post-definitive closure) evisceration occurred	_____
How was evisceration identified?	<input type="radio"/> On clinical exam <input type="radio"/> Operatively <input type="radio"/> Radiographically
How was evisceration treated?	<input type="checkbox"/> Local wound care <input type="checkbox"/> Negative pressure wound therapy <input type="checkbox"/> Reoperation
Day of hospitalization (post-definitive closure) fascial necrosis occurred	_____

How was fascial necrosis identified?

- On clinical exam
 Operatively
 Radiographically

How was the facial necrosis treated?

- Local wound care
 Negative pressure wound therapy
 Reoperation

Day of hospitalization (post-definitive closure)
hernia occurred

How was the hernia identified?

- On clinical exam
 Operatively
 Radiographically

How was the hernia treated?

- Local wound care
 Negative pressure wound therapy
 Reoperation

Variable / Field Name	Form Name	Section Header	Field Type	Field Label
record_id	demo_1		text	Record ID
demo_arm	demo_1		radio	Select arm participant will be entered into
demo_year_pres	demo_1		text	Year pt presented to hospital
demo_age	demo_1		text	Age at presentation
demo_sex	demo_1		radio	Sex
demo_race	demo_1		radio	Race
demo_ethn	demo_1		radio	Ethnicity
demo_weight	demo_1		text	Weight (kg)
demo_height	demo_1		text	Height (cm)
demo_emr_bmi	demo_1		text	BMI (from EMR)
demo_bmi	demo_1		calc	BMI
pmhx_comorb	medical_history		checkbox	Comorbidities (select all that apply)
pmhx_smoking	medical_history		radio	Smoking status (tobacco smoking only)
pmhx_ex_lap	medical_history		yesno	History of prior laparotomy?
pmhx_mesh	medical_history		yesno	History of prior abdominal mesh placement?
pres_service	presentation		radio	Service:
pres_trauma_type	presentation		radio	Type of trauma:
pres_pentr_moi	presentation		radio	Penetrating MOI:
pres_pentr_moi_other	presentation		text	Specify "other":
pres_blunt_moi	presentation		radio	Blunt MOI:
pres_blunt_moi_other	presentation		text	Specify "other":
pres_arr_sbp	presentation		text	Systolic BP on arrival
pres_arr_dbp	presentation		text	Diastolic BP on arrival
pres_arr_hr	presentation		text	Heart Rate on arrival
pres_arr_resp_rate	presentation		text	Respiratory Rate on arrival
pres_arr_temp	presentation		text	Temperature (F) on arrival
pres_iss	presentation		text	Injury Severity Score (ISS)
pres_abd_ais	presentation		radio	Abdominal Abbreviated Injury Score (AIS)
pres_ess	presentation		text	Emergency Surgery Score
pres_ed_thoracotomy	presentation		yesno	Resuscitative Thoracotomy Performed
pres_pre_vitals_sbp	presentation	Last vitals taken before index laparotomy	text	Pre-op Systolic BP
pres_pre_vitals_dbp	presentation		text	Pre-op Diastolic BP
pres_pre_vitals_hr	presentation		text	Pre-op Heart Rate
pres_pre_vitals_temp	presentation		text	Pre-op Temperature (F)
pres_pre_vitals_resp_rate	presentation		text	Pre-op Respiratory Rate
pres_lab_hb	presentation	Pre-op labs (most recent within 24 hours of index operation)	text	Hemoglobin
pres_lab_wbc	presentation		text	White blood cells
pres_lab_plts	presentation		text	Platelets
pres_lab_ph	presentation		text	pH
pres_lab_base_def	presentation		text	Base deficit
pres_lab_inr	presentation		text	INR
pres_lab_ptt	presentation		text	Partial Thromboplastin Time
pres_lab_cr	presentation		text	Creatinine
pres_lab_gfr	presentation		text	GFR
pres_lab_lactate	presentation		text	Lactate
pres_pre_steroids	presentation	Pre-operative Medications	yesno	Did the patient take any steroid medications pre-operatively (oral or intravenous only)?
pres_pre_immuno	presentation		yesno	Did the patient take any immunosuppressive medications pre-operatively?
pres_blood_24_yn	presentation	Blood Products Administered 24 Hours Prior to Index Operation	yesno	Did the patient receive blood products/TXA within the 24 hours prior to index operation?
pres_wb_24_b4	presentation		text	Units of whole blood administered:
pres_prbc_24_b4	presentation		text	Units of PRBC administered:
pres_plt_24_b4	presentation		text	Units of platelets administered:
pres_ffp_24_b4	presentation		text	Units of FFP administered:
pres_cryo_24_b4	presentation		text	Units of cryo administered:
pres_txa_24_yn	presentation		yesno	Was TXA administered within the 24 hours prior to index operation?
pres_txa_24_b4	presentation		yesno	TXA (g) administered:
op_form_directions	index_operation		descriptive	Please answer ALL questions in this form for the ----- index operation only ----- even if delayed primary closure was performed later
op_close	index_operation		radio	Index operation fascial closure
op_wound_class	index_operation		radio	Wound Classification
op_asa	index_operation		radio	ASA Class
op_damage_control	index_operation		yesno	Was the operation considered damage control?
op_pre_dx	index_operation		checkbox	Pre-operative diagnosis
tbid	index_operation		text	Specify other
op_assoc_injury	index_operation		yesno	Other than primary reason for operation, does the patient have any associated injuries?
op_type_injuries	index_operation		checkbox	Associated Injuries (select all that apply)
op_type_injury_other	index_operation		text	Specify Other:
op_treatment	index_operation		checkbox	Operative Intervention (select all that apply)
op_ebl	index_operation		text	Estimated blood loss (ml)
op_pre_blood_yn	index_operation		yesno	Were any blood products administered intraoperatively?
op_pre_whole_blood	index_operation		text	Units of whole blood administered intraoperatively
op_pre_prbc	index_operation		text	Units of PRBC administered intraoperatively
op_pre_platelets	index_operation		text	Units of platelets administered intraoperatively
op_pre_ffp	index_operation		text	Units of FFP administered intraoperatively
op_pre_cryo	index_operation		text	Units of cryo administered intraoperatively
op_pre_txa_yn	index_operation		yesno	Was TXA administered intraoperatively
op_pre_txa_g	index_operation		text	TXA administered (g) intraoperatively
op_drains	index_operation		yesno	Were any intra-abdominal drains placed?
op_drains_num	index_operation		text	How many intra-abdominal drains were placed?
op_pre_embol	index_operation		yesno	Was any pre-op embolization done?
op_pre_embol_organs	index_operation		checkbox	Pre-op embolization performed (select all that apply)
op_pre_embol_other	index_operation		text	Specify "other"
op_intra_embol	index_operation		yesno	Was any intraoperative embolization done (e.g. in a hybrid suite)?
op_intra_embol_organs	index_operation		checkbox	Intra-operative embolization performed (select all that apply)
op_intra_embol_other	index_operation		text	Specify "other"
op_dpr_yn	index_operation		yesno	Was Direct Peritoneal Resuscitation (DPR) performed?
op_fasc_icg	index_operation		yesno	Was fascial ICG performed?
op_mesh_yn	index_operation		yesno	Was mesh used?
op_mesh_type	index_operation		radio	Type of mesh used
op_fas_close_suture	index_operation		radio	Suture used for fascial closure
op_suture_size	index_operation		radio	Suture size
op_suture_size_other	index_operation		text	Specify "other"
op_num_sut_fasc_close	index_operation		text	Number of sutures used for fascial closure:
op_fasc_bites	index_operation		text	Fascial bites in millimeters
op_fasc_bite_travel	index_operation		text	Fascial bite travel in millimeters
op_fasc_close_tech	index_operation		radio	Fascial closure technique:
op_skin_close	index_operation		yesno	Was the skin closed?
op_closure	index_operation		radio	Skin closure technique
op_closure_other	index_operation		text	Specify "other"
op_suture_ratio	index_operation		text	Suture : Wound Ratio
op_wound_vac	index_operation		yesno	Wound vacuum placed over open incisional site?
op_incision_vac	index_operation		yesno	Incisional vacuum dressing over closed incision site?
op_extub	index_operation		yesno	Was the patient extubated in the OR after index operation?
btwn_extub_defclose	between_index_operation_and_definitive_closure		yesno	Was the patient extubated before definitive closure?
btwn_extub_day_post	between_index_operation_and_definitive_closure		text	What day post-op from index operation was the patient extubated?
btwn_blood_24_yn	between_index_operation_and_definitive_closure		yesno	In the 24 hours prior to definitive closure were any blood products administered?
btwn_wb_24_b4	between_index_operation_and_definitive_closure		text	Units of whole blood administered 24 hours prior to definitive closure:
btwn_prbc_24_b4	between_index_operation_and_definitive_closure		text	Units of PRBC administered 24 hours prior to definitive closure:
btwn_plt_24_b4	between_index_operation_and_definitive_closure		text	Units of platelets administered 24 hours prior to definitive closure:
btwn_ffp_24_b4	between_index_operation_and_definitive_closure		text	Units of FFP administered 24 hours prior to definitive closure:
btwn_cryo_24_b4	between_index_operation_and_definitive_closure		text	Units of cryo administered 24 hours prior to definitive closure:
btwn_txa_24_yn	between_index_operation_and_definitive_closure		yesno	Was TXA administered within the 24 hours prior to definitive closure?
btwn_txa_24_b4	between_index_operation_and_definitive_closure		text	TXA (g) administered 24 hours prior to definitive closure:
btwn_total_wb	between_index_operation_and_definitive_closure		text	Total units of whole blood administered between index operation and definitive closure
btwn_total_prbc	between_index_operation_and_definitive_closure		text	Total units of PRBC administered between index operation and definitive closure
btwn_total_plt	between_index_operation_and_definitive_closure		text	Total units of platelets administered between index operation and definitive closure
btwn_total_ffp	between_index_operation_and_definitive_closure		text	Total units of FFP administered between index operation and definitive closure
btwn_total_cryo	between_index_operation_and_definitive_closure		text	Total units of cryo administered between index operation and definitive closure
btwn_reop_num	between_index_operation_and_definitive_closure		text	Number of operations for laparotomy (e.g. reopening or wound vac takedown) between index operation and fascial closure
btwn_fasc_close_days	between_index_operation_and_definitive_closure		text	Number of days between index operation and fascial closure?
btwn_pre_embol	between_index_operation_and_definitive_closure		yesno	Was any embolization performed in-between index operation and definitive fascial closure?
btwn_pre_embol_organs	between_index_operation_and_definitive_closure		checkbox	Embolization performed between index operation and definitive fascial closure (select all that apply)
defclose_pre_embol_other	between_index_operation_and_definitive_closure		text	Specify "other"
btwn_pre_embol_day	between_index_operation_and_definitive_closure		text	What day post-index operation, and before definitive closure, was embolization performed?
defclose_form_directions	definitive_closure		descriptive	Please answer ALL questions in this form for the ----- definitive closure operation only ----- index operation information should go in
defclose_skin_close_yn	definitive_closure		yesno	Was the skin closed?
defclose_wound_class	definitive_closure		radio	Wound Classification
defclose_asa	definitive_closure		radio	ASA Class

defclose_pre_dx	definitive_closure	checkbox	Pre-operative diagnosis
defclose_treatment	definitive_closure	checkbox	Operative Intervention (select all that apply)
defclose_ebl	definitive_closure	text	Estimated blood loss (ml)
defclose_blood_yn	definitive_closure	yesno	Were any blood products administered intraoperatively?
defclose_whole_blood	definitive_closure	text	Units of whole blood administered intraoperatively
defclose_prbc	definitive_closure	text	Units of PRBC administered intraoperatively
defclose_platelets	definitive_closure	text	Units of platelets administered intraoperatively
defclose_ffp	definitive_closure	text	Units of FFP administered intraoperatively?
defclose_cryo	definitive_closure	text	Units of cryo administered intraoperatively?
defclose_txa_yn	definitive_closure	yesno	Was TXA administered intraoperatively?
defclose_txa_g	definitive_closure	text	TXA administered (g)
defclose_drains	definitive_closure	yesno	Were any intra-abdominal drains placed?
defclose_drains_num	definitive_closure	text	How many intra-abdominal drains were placed?
defclose_intra_embol	definitive_closure	yesno	Was any intraoperative embolization performed during definitive fascial closure?
defclose_intra_embol_org	definitive_closure	checkbox	Intraoperative embolization performed during definitive fascial closure (select all that apply)
defclose_intra_embol_other	definitive_closure	text	Specify "other"
defclose_dpr	definitive_closure	yesno	Was Direct Peritoneal Resuscitation (DPR) performed?
defclose_fasc_icg	definitive_closure	yesno	Was fascial ICG performed?
defclose_mesh_yn	definitive_closure	yesno	Was mesh used?
defclose_mesh_type	definitive_closure	radio	Type of mesh used
defclose_fasc_close_suture	definitive_closure	radio	Suture used for fascial closure
defclose_suture_size	definitive_closure	radio	Suture size
defclose_suture_size_other	definitive_closure	text	Specify "other"
defclose_num_sut_fasc_c	definitive_closure	text	Number of sutures used for fascial closure:
defclose_fasc_bites	definitive_closure	text	Fascial bites in millimeters
defclose_fasc_bite_travel	definitive_closure	text	Fascial bite travel in millimeters
defclose_fasc_close_tech	definitive_closure	radio	Fascial closure technique used
defclose_skin_close	definitive_closure	radio	Skin closure technique
defclose_skin_close_other	definitive_closure	text	Specify "other"
defclose_suture_ratio	definitive_closure	text	Suture : Wound Ratio
defclose_incision_vac	definitive_closure	yesno	Incisional vacuum dressing placed over closed incision site?
defclose_extub_or	definitive_closure	yesno	Was the pt extubated in the OR after definitive closure?
defclose_extub_day	definitive_closure	text	What day post-op definitive closure was the patient extubated?
hosp_adm_blood_yn	hospital_admissi	yesno	Were any blood products administered after fascial closure?
hosp_adm_whole_blood	hospital_admission	text	Units of whole blood administered after fascial closure
hosp_adm_prbc	hospital_admission	text	Units of PRBC administered after fascial closure
hosp_adm_platelets	hospital_admission	text	Units of platelets administered after fascial closure
hosp_adm_ffp	hospital_admission	text	Units of FFP administered after fascial closure
hosp_adm_cryo	hospital_admission	text	Units of cryo administered after fascial closure
hosp_adm_txa_yn	hospital_admission	yesno	Was TXA administered after fascial closure?
hosp_adm_txa_g	hospital_admission	text	TXA administered (g) after fascial closure
hosp_adm_lab_hb	hospital_admissi	text	Post-index operation hemoglobin
hosp_adm_lab_wbc	hospital_admission	text	Post-index operation white blood cell count
hosp_adm_lab_pts	hospital_admission	text	Post-index operation platelets
hosp_adm_lab_ph	hospital_admission	text	Post-index operation pH
hosp_adm_lab_base_def	hospital_admission	text	Post-index operation base deficit
hosp_adm_lab_inr	hospital_admission	text	Post-index operation INR
hosp_adm_lab_ptt	hospital_admission	text	Post-index operation Partial Thromboplastin Time
hosp_adm_lab_cr	hospital_admission	text	Post-index operation creatinine
hosp_adm_lab_egfr	hospital_admission	text	Post-index operation eGFR
hosp_adm_lab_lac	hospital_admission	text	Post-index operation lactate
hosp_adm_lab_label	hospital_admission	descriptive	Post-definitive closure labs (use first value resulted)
hosp_adm_defclose_hg	hospital_admission	text	Post-definitive closure hemoglobin
hosp_adm_defclose_wbc	hospital_admission	text	Post-definitive closure white blood cell count
hosp_adm_defclose_plt	hospital_admission	text	Post-definitive closure platelets
hosp_adm_defclose_ph	hospital_admission	text	Post-definitive closure pH
hosp_adm_defclose_base	hospital_admission	text	Post-definitive closure base deficit
hosp_adm_defclose_inr	hospital_admission	text	Post-definitive closure INR
hosp_adm_defclose_ptt	hospital_admission	text	Post-definitive closure Partial Thromboplastin Time
hosp_adm_defclose_cr	hospital_admission	text	Post-definitive closure creatinine
hosp_adm_defclose_egfr	hospital_admission	text	Post-definitive closure eGFR
hosp_adm_defclose_lac	hospital_admission	text	Post-definitive closure lactate
hosp_adm_embol	hospital_admissi	yesno	Was abdominal embolization performed post-operatively following fascial closure
hosp_adm_embol_org	hospital_admission	checkbox	Embolization performed (select all that apply)
hosp_adm_embol_other	hospital_admission	text	Specify "other"
hosp_adm_embol_day	hospital_admission	text	What day, post-operatively, was embolization performed?
hosp_adm_pressors	hospital_admission	yesno	Were vasopressors used post-operatively during hospital admission?
hosp_adm_steroid	hospital_admission	yesno	Were steroids used postoperatively during hospital admission (oral and intravenous only)?
hosp_adm_post_dx	hospital_admission	checkbox	Post-operative diagnosis
hosp_adm_comp	hospital_admission	checkbox	Post-fascial closure complications (select all that apply)
hosp_adm_antibiotic	hospital_admission	yesno	Were postoperative antibiotics given for >7 days following fascial closure?
hosp_adm_vent_days	hospital_admission	text	Total number of ventilator days during hospital admission:
hosp_adm_icu_los	hospital_admission	text	ICU length of stay - days
hosp_adm_hos	hospital_admission	text	Hospital length of stay - days
comp_type	complications	checkbox	Event
comp_s_ssi_date	complications	text	Day of hospitalization (post-definitive closure) superficial SSI occurred
comp_s_ssi_treat	complications	checkbox	How was the superficial SSI treated?
comp_d_ssi_date	complications	text	Day of hospitalization (post-definitive closure) deep SSI occurred
comp_d_ssi_treat	complications	checkbox	How was the deep SSI treated?
comp_o_ssi_date	complications	text	Day of hospitalization (post-definitive closure) organ space SSI occurred
comp_o_ssi_treat	complications	checkbox	How was the organ space SSI treated?
comp_dehis_date	complications	text	Day of hospitalization (post-definitive closure) dehiscence occurred
comp_dehis_id	complications	radio	How was the dehiscence identified?
comp_dehis_treat	complications	checkbox	How was the dehiscence treated?
comp_evis_date	complications	text	Day of hospitalization (post-definitive closure) evisceration occurred
comp_evis_id	complications	radio	How was evisceration identified?
comp_evis_treat	complications	checkbox	How was evisceration treated?
comp_necrosis_date	complications	text	Day of hospitalization (post-definitive closure) fascial necrosis occurred
comp_necrosis_id	complications	radio	How was the fascial necrosis identified?
comp_necrosis_treat	complications	checkbox	How was the fascial necrosis treated?
comp_hernia_date	complications	text	Day of hospitalization (post-definitive closure) hernia occurred
comp_hernia_id	complications	radio	How was the hernia identified?
comp_hernia_treat	complications	checkbox	How was the hernia treated?

Choices, Calculations, OR Slider Labels	Field Note	Text Validation Type OR Show Slider Number	Text Validation Min	Text Validation Max	Identifier?
0, Retrospective arm (cases from 2021-2024) 1, Prospective arm					
0, Male 1, Female 2, Unknown	90 years or older write in "90 or above"				
1, American Indian/Alaska Native 2, Asian 3, Native Hawaiian or Other Pacific Islander 4, Black or African American 5, White 6, More than one race 7, Unknown or not reported					
1, Not Hispanic or Latino 2, Hispanic or Latino 3, Unknown or not reported					
[demo_weight]*10000/[demo_height]/[demo_height]					
0, Congestive Heart Failure 1, Coronary Artery Disease 2, Chronic Obstructive Pulmonary Disease 3, Cirrhosis Child Pugh A 4, Cirrhosis Child Pugh B 5, Cirrhosis Child Pugh C 6, Cerebrovascular accident / Stroke 7, End-stage Renal Disease 8, Chronic Kidney Disease (unspecified) 9, Chronic Kidney Disease - Stage 1 10, Chronic Kidney Disease - Stage 2 11					
0, Never smoked 1, Past smoker 2, Current smoker 3, Unknown					
1, Trauma 2, Emergency General Surgery (EGS)					
1, Penetrating 2, Blunt 3, Blast					
1, Stab wound 2, Gunshot wound 3, Other					
1, Motor Vehicle Collision 2, Motorcycle Collision 3, Ground-level fall 4, Fall from height (greater than ground level) 5, Burn 6, Pedestrian Struck by Vehicle 7, Crush 8, Assault/Battery 9, Other					
		integer	0	300	
		integer	0	200	
		integer	0	400	
		integer	0	100	
		integer	0	200	
		integer	0	100	
0, 0 1, 1 2, 2 3, 3 4, 4 5, 5 6, 6		integer	0	100	
		integer	0	300	
		integer	0	200	
		integer	0	400	
		integer	0	300	
		integer	0	100	
	If not done or unknown enter 999				
	If not done or unknown enter 999				
	If not done or unknown enter 999				
	If not done or unknown enter 999				
	If not done or unknown enter 999				
	If not done or unknown enter 999				
	If not done or unknown enter 999				
	If not done or unknown enter 999				
	If not done or unknown enter 999				
	If not done or unknown enter 999				
	If not done or unknown enter 999				
		integer	0	30	
		integer	0	30	
		integer	0	30	
		integer	0	30	
		integer	0	30	
		integer	0	30	
1, Primary 2, Delayed / Temporary abdominal closure					
1, Class I (clean) 2, Class II (clean-contaminated) 3, Class III (contaminated) 4, Class IV (dirty/infected)					
1, I 2, II 3, III 4, IV 5, V 6, VI					
1, Mesenteric ischemia 2, Gastric perforation 3, Small bowel perforation 4, Large bowel perforation 5, Rectal perforation 6, Small bowel obstruction 7, Large bowel obstruction 8, Appendicitis 9, Diverticulitis 10, Upper GI bleeding 11, Lower GI bleeding 12, Other					
1, Liver 2, Biliary system and gallbladder 3, Pancreas 4, Spleen 5, Esophagus 6, Stomach 7, Small bowel duodenum 8, Small bowel jejunum and ileum 9, Colon ascending 10, Colon transverse 11, Colon descending 12, Rectum / intraperitoneal 13, Rectum / extraperitoneal 14, Vascular celiac artery, SMA, IMA or arterial branch 15, Vascular portal vein or bran					
1, Liver 2, Biliary system and gallbladder 3, Pancreas 4, Spleen 5, Esophagus 6, Stomach 7, Small bowel duodenum 8, Small bowel jejunum and ileum 9, Colon ascending 10, Colon transverse 11, Colon descending 12, Rectum / intraperitoneal 13, Rectum / extraperitoneal 14, Vascular celiac artery, SMA, IMA or arterial branch 15, Vascular portal vein or bran					
	if "minimal" enter 5	integer	0	10000	
		integer	0	30	
		integer	0	30	
		integer	0	30	
		integer	0	30	
		integer	0	30	
		integer	0	10	
		integer	0	10	
1, Liver 2, Spleen 3, Kidney 4, Mesentery 5, Other					
1, Liver 2, Spleen 3, Kidney 4, Mesentery 5, Other					
1, Synthetic 2, Biologic					
0, slowly absorbable non-barbed monofilament suture 1, triclosan-coated barbed suture	example of slowly absorbable non-barbed monofilament suture is PDS; example of triclosan-coated barbed suture is Stratafix				
1, 3-0 2, 2-0 3, 0 4, #1 5, #2 6, other					
		integer	0	200	
		integer	0	1000	
		integer	0	1000	
1, Continuous 2, Interrupted					
1, Staple 2, Suture 3, Other					
		integer	0	100	
		integer	0	30	
		integer	0	30	
		integer	0	30	
		integer	0	30	
		integer	0	30	
		integer	0	10	
		integer	0	100	
		integer	0	100	
		integer	0	100	
		integer	0	100	
		integer	0	100	
		integer	0	10	
		integer	0	20	
1, Liver 2, Spleen 3, Kidney 4, Mesentery 5, Other		integer	0	20	
1, Class I (clean) 2, Class II (clean-contaminated) 3, Class III (contaminated) 4, Class IV (dirty/infected)					
1, I 2, II 3, III 4, IV 5, V 6, VI					

