

Postoperative Ileus

Definition

Pathophysiology

Research models

Problems

Treatment

Definition

Functional inhibition of propulsive bowel activity

Abdominal distension, nausea, vomiting, delayed defecation

Normal after abdominal and remote operations, up to 3 days

Lack of spike waves, memb. hyperpolarisation

Definition

Return to normal motility

Stomach 24-48h, small bowel within 24h

(R) colon 24-48h, (L) colon 48-72h

Postoperative ileus

Postoperative paralytic ileus

Physiology of colonic motility

Control Factors

Myogenic

Neurogenic

Hormonal

Myogenic factors



ECA Electrical control activity, slow waves

DERA Discrete electrical response activity, spikes

CEC Contractile electrical complex

CERA Continuous electrical response activity

ECA



Originate in inner circular layer

Omnipresent oscillation of sm memb. pot.

2 to 14 cycles/min

DERA



Action potentials superimposed on ECA

Occur only in response to ECA

Correlates on 1-to-1 basis with segmental contractions

DERA and contractions not a/w every ECA osc

CEC



Originate in long. layer

Long duration electrical oscillation

Controls occurrence of CERA

CERA



Long duration contractions lasting thru' one or more ECA cycles

CEC and CERA associated on a 1-to-1 basis with colon contractions

Contractions



ECA and DERA control mixing of colonic contents

CEC and CERA effect propulsion of colonic contents

Migrating Motor Complex (MMC)

Fasting state, several min every hr

Phase I Near complete absence of spike waves

Phase II Intermittent increasing spike waves

Phase III Large no. of spikes with every slow wave

Phase IV Burst of activity ends rapidly

Eating disrupts this pattern and a generalised pattern of increased spike waves occurs, representing corresponding changes in contractile peristaltic patterns of the bowel and its response to food

Neurogenic Factors



Parasym. (+)

Sym. (-)

Myenteric plexus

Submucosal plexus

Hormonal Factors



CCK, gastrin, VIP, GIP, motilin, serotonin, ATP, PG's, somatostatin, substance P, vasopressin, neurotensin, glucagon, somatostatin, calcitonin gene-related peptide

Research models

Subprimates

Primates

Humans

Clinical evaluation

Biochemical measurement

Balloon kymography

Transit studies

Intraluminal pressure

Myoelectric activity

ARCHIVES OF SURGERY

JANUARY 1999

PULMONARY FUNCTION FOLLOWING LAPAROSCOPIC OR CONVENTIONAL COLORECTAL RESECTION

DOES THE FACE PROTECT THE BRAIN?
A CASE-CONTROL STUDY OF TRAUMATIC
BRAIN INJURY AND FACIAL FRACTURES

IMPAIRMENT OF CARDIAC PERFORMANCE
BY LAPAROSCOPY IN PATIENTS RECEIVING
POSITIVE END-EXPIRATORY PRESSURE

PRIMARY COMMON BILE DUCT CLOSURE

PERFORATION OF THE SIGMOID COLON
DUE TO GEOPHAGIA

CHANGES IN RESPIRATORY MECHANICS
AFTER TRACHEOSTOMY

TRANSECTION OF THE APPENDIX:
A SEAT BELT INJURY

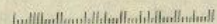
COMPLETE TABLE OF CONTENTS INSIDE

American Medical Association
Physicians dedicated to the health of America



www.ama-assn.org/surgery

#BX#BBLT ***** 3-DIGIT 100
#010004666102#12D 1812 000962 40 00/006
MT SINAI SCHOOL OF MED 0007
ANNENBERG BLDG-11 /LEVY LIB
1 GUSTAVE L LEVY PL/BX 1102
NEW YORK NY 10029 6500 000346



1995 Apr; 130(4): 415-9

Postop intest. motility
following conventional and
lap intest. surgery

Bohm et al

Recovery from postop ileus
after lap surgery is more
rapid in the canine model

SURGERY

A MONTHLY JOURNAL DEVOTED TO THE ART AND SCIENCE OF SURGERY

JANUARY 1999

Volume 125 Number 1

EDITORS IN CHIEF

ANDREW L. WARSHAW, BOSTON MICHAEL G. SARR, ROCHESTER

EDITORIAL BOARD

BARBARA L. BASS, BALTIMORE	M. WAYNE FLYE, ST. LOUIS	ROBERT S. RHODES, PHILADELPHIA
R. DANIEL BEAUCHAMP, NASHVILLE	LAZAR J. GREENFIELD, ANN ARBOR	ORI D. ROTSTEIN, TORONTO
DESMOND H. BIRKETT, BURLINGTON	ALDEN H. HARKEN, DENVER	FRANK W. SELLKE, BOSTON
KIRBY I. BLAND, PROVIDENCE	CHRISTIAN HERFKATH, HERDLBERG	NATHANIEL J. SOPER, ST. LOUIS
MURRAY F. BRENNAN, NEW YORK	JAMES W. HOLCROFT, SACRAMENTO	WILEY W. SOUBA, BOSTON
CHRISTOPH E. BROELSCH, HAMBURG	BERNARD M. JAFFE, NEW ORLEANS	DAVID I. SOYBEL, WEST ROXBURY
GREGORY B. BULKLEY, BALTIMORE	GORDON L. KAUFFMAN, JR., MERSSEY	THOMAS E. STARZL, PITTSBURGH
JOHN L. CAMERON, BALTIMORE	LaSALLE D. LEFFELL, JR., WASHINGTON	GLENN D. STEELE, JR., CHICAGO
DARRELL A. CAMPBELL, JR., ANN ARBOR	MARK A. MALANGONI, CLEVELAND	COURTNEY M. TOWNSEND, JR., GALVESTON
A. BENEDICT COSEMI, BOSTON	ANTHONY A. MEYER, CHAPEL HILL	L. WILLIAM TRAVERSO, SEATTLE
JOHN M. DALY, NEW YORK	ERNEST E. MOORE, DENVER	DONALD D. TRUNKY, PORTLAND
CLIFFORD W. DEVENNEY, PORTLAND	ENRIQUE MORENO-GONZALEZ, MADRID	JON A. van HEERDEN, ROCHESTER
PATRICIA K. DONSAIRE, BOSTON	JOHN S. NAJAREAN, MINNEAPOLIS	JOHN WONG, HONG KONG
QUAN-YANG DUH, SAN FRANCISCO	JEFFREY A. NORTON, SAN FRANCISCO	CHARLES J. YEO, BALTIMORE
JAMES S. ECONOMOU, LOS ANGELES	CARLOS A. PELLEGRINI, SEATTLE	MICHAEL J. ZINNER, BOSTON
VICTOR W. FAZIO, CLEVELAND	HENRY A. PITT, MINNEAPOLIS	
LEWIS M. FLINT, JR., NEW ORLEANS	STEVEN E. RAPER, PHILADELPHIA	

EDITORS IN CHIEF EMERITI

WALTER F. BALLINGER, ST. LOUIS GEORGE D. ZUIDEMA, HOLLAND

OFFICIAL PUBLICATION

SOCIETY OF UNIVERSITY SURGEONS
NEXT MEETING FEBRUARY 11-15, 1999
NEW ORLEANS, LOUISIANA

CENTRAL SURGICAL ASSOCIATION
NEXT MEETING MARCH 14, 1999
ST. LOUIS, MISSOURI

AMERICAN ASSOCIATION OF
ENDOCRINE SURGEONS
NEXT MEETING MAY 24, 1999
NEW HAVEN, CONNECTICUT

 Mosby

PUBLISHED BY

MOSBY, INC., ST. LOUIS, MO 63146-5318, USA
ISSN 0394-9660

1997 May; 121(5):550-5

Lap colectomy shortens
postop ileus in a canine
model

1997 Jul; 174(1):79-82

Canine intest myoelectric activity after open vs lap assisted (R) hemicolectomy

No difference

AUGUST 1998

VOLUME 176 NUMBER 2

The American Journal of Surgery

PAPERS OF THE SOCIETY FOR CLINICAL VASCULAR SURGERY

PRESIDENTIAL ADDRESS

Rearranging the Decks on the Titanic/MCGART

HUME MEMORIAL LECTURE

Prevention of Spinal Cord Complications in Aortic Surgery/CONOLLY

PETER B. SAMUELS AWARD

Restenosis after Percutaneous Transluminal Angioplasty/BERENSON ET AL

SCIENTIFIC PAPERS

A Regional Pedal Ischemia Scoring System for Decision Analysis in Patients with Heel Ulceration/GRITTLE ET AL

Aorto-Caval and Iliac-Aortoarteriovenous Fistulae/DAUB ET AL

Percutaneous Femoral Puncture for Endovascular Treatment of Occlusive Arterial Lesions/CHAIKO ET AL

Arterial Thromboembolic Events in Patients with the Factor V Leiden Mutation/ERKANDAT ET AL

Revision of Failing Lower Extremity Bypass Grafts/DOUGHERTY ET AL

Expanded Indications for the Treatment of Postcatheterization Femoral Pseudoaneurysms with Ultrasound-guided Compression/KUMING ET AL

Malignant Renal Tumor with Extension to the Inferior Vena Cava/SANU ET AL

Compensatory Arterial Enlargement Is a Common Pathobiologic Response in Early Atherosclerosis/LABROPOLUS ET AL

Combined Coronary Artery Bypass Grafting and Abdominal Aortic Aneurysm Repair/GAGE ET AL

Nontraumatic Lower-Extremity Acute Arterial Ischemia/NEPNER ET AL

An Association between Periodontal Disease and Peripheral Vascular Disease/MENDEZ ET AL

Etiology of Peripheral Arterial Thromboembolism in Young Patients/AGURANNA ET AL

Factors Affecting Clinical Outcome following Endoscopic Pararenal Vein Ablation/TRIGGS ET AL

Is Thigh Saphenectomy a Necessary Adjunct to High Ligation and Stab Avulsion Phlebectomy?/SAMSON ET AL

Clinical Benchmark for Healing of Chronic Venous Ulcers/LYON ET AL

Orally Administered Heparin for Preventing Deep Venous Thromboses/DOUG ET AL

New, Angle-Independent, Low-Cost Doppler System to Measure Blood Flow/SALADYNI ET AL

Three-Dimensional Vascular Imaging Using Doppler Ultrasound/REINOLD ET AL

Cost Management Strategies for Carotid Endarterectomy/RODITA ET AL

Acute Occlusion of the Abdominal Aorta/SURINEN ET AL

The Experience of an Academic Medical Center with Endovascular Treatment of Abdominal Aortic Aneurysms/MARQUEN ET AL

Lower Extremity Vascular Reconstruction and Endovascular Surgery without Preoperative Angiography/SARGAR ET AL

Peripherally Inserted Central Catheters Revisited/SMITH ET AL

Cardiac Tamponade from Central Venous Catheters/COLETTI ET AL

A Comparison of Surgery for Neurogenic Thoracic Outlet Syndrome between Laborers and Nontaborers/GRIF ET AL

Transposed Basilic Vein versus Polytetrafluoroethylene for Brachial-Axillary Arteriovenous Fistulas/MATSUURA ET AL

An Aggressive Local Approach to Vascular Graft Infection/SLEP ET AL

Improved Selection Criteria for Ordering Stat Venous Ultrasounds from the Emergency Department/PENNING ET AL

Excerpta Medica

FOR COMPLETE TABLE OF CONTENTS, SEE PAGES A3 THROUGH A6

AUGUST 1998

VOLUME 176 NUMBER 2

The American Journal of Surgery®

PAPERS OF THE SOCIETY FOR CLINICAL VASCULAR SURGERY

PRESIDENTIAL ADDRESS

Rearranging the Decks on the Titanic/McGarr

HUME MEMORIAL LECTURE

Prevention of Spinal Cord Complications in Aortic Surgery/Conolly

PETER B. SAMUELS AWARD

Restenosis after Percutaneous Transluminal Angioplasty/Ravoskiw et al.

SCIENTIFIC PAPERS

A Regional Pedal Ischemia Scoring System for Decision Analysis in Patients with Heel Ulceration/Gentile et al.

Aorto-Caval and Iliac Arteriovenous Fistulae/Davis et al.

Percutaneous Femoral Puncture for Endovascular Treatment of Occlusive Arterial Lesions/D'Amico et al.

Arterial Thromboembolic Events in Patients with the Factor V Leiden Mutation/Eskandar et al.

Revision of Failing Lower Extremity Bypass Grafts/Dougherty et al.

Expanded Indications for the Treatment of Postcatheterization Femoral Pseudoaneurysms with Ultrasound-guided Compression/Koziar et al.

Malignant Renal Tumor with Extension to the Inferior Vena Cava/Sano et al.

Compensatory Arterial Enlargement Is a Common Pathobiologic Response in Early Atherosclerosis/Lafropoulos et al.

Combined Coronary Artery Bypass Grafting and Abdominal Aortic Aneurysm Repair/Gade et al.

Nontraumatic Lower-Extremity Acute Arterial Ischemia/Miyano et al.

An Association between Periodontal Disease and Peripheral Vascular Disease/Mendez et al.

Etiology of Peripheral Arterial Thromboembolism in Young Patients/Ashrafian et al.

Factors Affecting Clinical Outcome following Endoscopic Perforator Vein Ablation/Rickes et al.

Is High Saphenectomy a Necessary Adjunct to High Ligation and Stab Avulsion Phlebectomy?/Samson et al.

Clinical Benchmark for Healing of Chronic Venous Ulcers/Lyon et al.

Orally Administered Heparin for Preventing Deep Venous Thrombosis/Gonze et al.

New, Angle-independent, Low-Cost Doppler System to Measure Blood Flow/Sakajany et al.

Three-Dimensional Vascular Imaging Using Doppler Ultrasound/Bendix et al.

Cost Management Strategies for Carotid Endarterectomy/Rodota et al.

Acute Occlusion of the Abdominal Aorta/Surwode et al.

The Experience of an Academic Medical Center with Endovascular Treatment of Abdominal Aortic Aneurysms/Makaroun et al.

Lower Extremity Vascular Reconstruction and Endovascular Surgery without Preoperative Angiography/Sankar et al.

Peripherally Inserted Central Catheters Revisited/Smith et al.

Cardiac Tamponade from Central Venous Catheters/Collins et al.

A Comparison of Surgery for Neurogenic Thoracic Outlet Syndrome between Laborers and Nonlaborers/Goff et al.

Transposed Basilic Vein versus Polytetrafluoroethylene for Brachial-Axillary Arteriovenous Fistulas/Matouka et al.

An Aggressive Local Approach to Vascular Graft Infection/Slacker et al.

Improved Selection Criteria for Ordering Stat Venous Ultrasounds from the Emergency Department/Venstrom et al.

Excerpta Medica

FOR COMPLETE TABLE OF CONTENTS, SEE PAGES A3 THROUGH A6

1995 Jan; 169(1): 79-82

Epidural analgesia shortens postop ileus after IPAA

THE AMERICAN SURGEON™

Official Publication of the

- Southeastern Surgical Congress
- Midwest Surgical Association
- Southern California Chapter of the American College of Surgeons



March 1999

Volume 65
Number 3
AMSJAW
ISSN 0003-1348

Published monthly by the Southeastern Surgical Congress • Atlanta

CLINICAL PATHWAY
included

1996 Jun; 62(6):499-502

Epidural analgesia does not
shorten postop ileus after
IPAA

1995 Oct; 170(4):371-4

PCA after uncomplicated colectomy increases the risk of prolonged postop ileus

AUGUST 1995

VOLUME 170 NUMBER 2

The American Journal of Surgery

PAPERS OF THE SOCIETY FOR CLINICAL VASCULAR SURGERY

PRESIDENTIAL ADDRESS

Rearranging the Decks on the Titanic/MCGART

HUME MEMORIAL LECTURE

Prevention of Spinal Cord Complications in Aortic Surgery/CONOLLY

PETER B. SAMUELS AWARD

Restenosis after Percutaneous Transluminal Angioplasty/BERENSON ET AL

SCIENTIFIC PAPERS

A Regional Pedal Ischemia Scoring System for Decision Analysis in Patients with Heel Ulceration/GENTILE ET AL

Aorto-Caval and Iliac-Arteriovenous Fistulas/DAG ET AL

Percutaneous Femoral Puncture for Endovascular Treatment of Occlusive Arterial Lesions/CHAI ET AL

Arterial Thromboembolic Events in Patients with the Factor V Leiden Mutation/ERANDI ET AL

Revision of Failing Lower Extremity Bypass Grafts/DOUGHERTY ET AL

Expanded Indications for the Treatment of Postcatheterization Femoral Pseudoaneurysms with Ultrasound-guided Compression/KUMAR ET AL

Malignant Renal Tumor with Extension to the Inferior Vena Cava/SANU ET AL

Compensatory Arterial Enlargement Is a Common Pathobiologic Response in Early Atherosclerosis/LABROPOLIS ET AL

Combined Coronary Artery Bypass Grafting and Abdominal Aortic Aneurysm Repair/GAGE ET AL

Nontraumatic Lower-Extremity Acute Arterial Ischemia/NEPNER ET AL

An Association between Periodontal Disease and Peripheral Vascular Disease/MENDEZ ET AL

Etiology of Peripheral Arterial Thromboembolism in Young Patients/AGURAMA ET AL

Factors Affecting Clinical Outcome following Endoscopic Pararenal Vein Ablation/TRICES ET AL

Is Thigh Saphenectomy a Necessary Adjunct to High Ligation and Stab Avulsion Phlebectomy?/SAMSON ET AL

Clinical Benchmark for Healing of Chronic Venous Ulcers/LYON ET AL

Orally Administered Heparin for Preventing Deep Venous Thrombosis/DOUG ET AL

New, Angle-Independent, Low-Cost Doppler System to Measure Blood Flow/SALADY ET AL

Three-Dimensional Vascular Imaging Using Doppler Ultrasound/REINOLD ET AL

Cost Management Strategies for Carotid Endarterectomy/ROSTKA ET AL

Acute Occlusion of the Abdominal Aorta/SURINNE ET AL

The Experience of an Academic Medical Center with Endovascular Treatment of Abdominal Aortic Aneurysms/MARQUEN ET AL

Lower Extremity Vascular Reconstruction and Endovascular Surgery without Preoperative Angiography/SARGAR ET AL

Peripherally Inserted Central Catheters Revisited/SMITH ET AL

Cardiac Tamponade from Central Venous Catheters/COLETTI ET AL

A Comparison of Surgery for Neurogenic Thoracic Outlet Syndrome between Laborers and Nontaborers/GRIF ET AL

Transposed Basilic Vein versus Polytetrafluoroethylene for Brachial-Axillary Arteriovenous Fistulas/MATSUURA ET AL

An Aggressive Local Approach to Vascular Graft Infection/SLEB ET AL

Improved Selection Criteria for Ordering Stat Venous Ultrasonids from the Emergency Department/PENNING ET AL

Excerpta Medica

FOR COMPLETE TABLE OF CONTENTS, SEE PAGES A3 THROUGH A6

1993 Jan;165(1):107-11

Ketolorac prevents postop
small intestinal ileus in rats

AUGUST 1998

VOLUME 176 NUMBER 2

The American Journal of Surgery®

PAPERS OF THE SOCIETY FOR CLINICAL VASCULAR SURGERY

PRESIDENTIAL ADDRESS

Rearranging the Decks on the Titanic/McGARY

HUME MEMORIAL LECTURE

Prevention of Spinal Cord Complications in Aortic Surgery/CONNELLY

PETER B. SAMUELS AWARD

Restenosis after Percutaneous Transluminal Angioplasty/TANAKAWAKA ET AL

SCIENTIFIC PAPERS

A Regional Perial Ischemia Scoring System for Decision Analysis in Patients with Heel Ulceration/GENTILE ET AL

Aorto-Caval and Ilio-Iliac Arteriovenous Fistulae/DIAS ET AL

Percutaneous Femoral Puncture for Endovascular Treatment of Occlusive Arterial Lesions/CHAZO ET AL

Arterial Thromboembolic Events in Patients with the Factor V Leiden Mutation/ESKENDAR ET AL

Revision of Failing Lower Extremity Bypass Grafts/DOUGHERTY ET AL

Expanded Indications for the Treatment of Postcatheterization Femoral Pseudoaneurysms with Ultrasound-guided Compression/KUROSU ET AL

Malignant Renal Tumor with Extension to the Inferior Vena Cava/SANO ET AL

Compensatory Arterial Enlargement is a Common Pathobiologic Response in Early Atherosclerosis/LAFORPOLOUS ET AL

Combined Coronary Artery Bypass Grafting and Abdominal Aortic Aneurysm Repair/GARD ET AL

Nontraumatic Lower-Extremity Acute Arterial Ischemia/SHAWAR ET AL

An Association between Periodontal Disease and Peripheral Vascular Disease/MENDEZ ET AL

Etiology of Peripheral Arterial Thromboembolism in Young Patients/ASH-RANNA ET AL

Factors Affecting Clinical Outcome following Endoscopic Perforator Vein Ablation/THODES ET AL

Is High Saphenectomy a Necessary Adjunct to High Ligation and Stab Avulsion Phlebectomy?/SHARON ET AL

Clinical Benchmark for Healing of Chronic Venous Ulcers/LOON ET AL

Orally Administered Heparin for Preventing Deep Venous Thrombosis/GONZE ET AL

New, Angle-independent, Low-Cost Doppler System to Measure Blood Flow/SKLAGARD ET AL

Three-Dimensional Vascular Imaging Using Doppler Ultrasound/SKORON ET AL

Cost Management Strategies for Carotid Endarterectomy/ROOFTA ET AL

Acute Occlusion of the Abdominal Aorta/SUPRENIM ET AL

The Experience of an Academic Medical Center with Endovascular Treatment of Abdominal Aortic Aneurysms/MARSHON ET AL

Lower Extremity Vascular Reconstruction and Endovascular Surgery without Preoperative Angiography/SANKAR ET AL

Peripherally Inserted Central Catheters Revisited/SARTH ET AL

Cardiac Tamponade from Central Venous Catheters/COLETTI ET AL

A Comparison of Surgery for Neurogenic Thoracic Outlet Syndrome between Laborers and Nonlaborers/GOFF ET AL

Transposed Basilic Vein versus Polytetrafluoroethylene for Brachial-Axillary Arteriovenous Fistulas/MATSUOKA ET AL

An Aggressive Local Approach to Vascular Graft Infection/SHUKRI ET AL

Improved Selection Criteria for Ordering Stat Venous Ultrasonounds from the Emergency Department/ANESTONING ET AL

Excerpta Medica

FOR COMPLETE TABLE OF CONTENTS, SEE PAGES A3 THROUGH A6

The American Journal of Gastroenterology

OFFICIAL PUBLICATION OF THE AMERICAN COLLEGE OF GASTROENTEROLOGY



February 1999

Volume 94

Number 2



Biliary Clots and Bile Ducts

- Botox and Achalasia
- Sounding Out the MMC
- p53 Mutations and Cancer in UC
- Pancreatitis: Can the Antelope Be Normal?

Elsevier

<http://www.elsevier.com/locate/amjgastro>

1993 Feb; 88(2):208-11

Effect of i/v erythromycin
on postop ileus

250mg q8h x 9 doses

No effect

THE AMERICAN SURGEON™

Official Publication of the

- Southeastern Surgical Congress
- Midwest Surgical Association
- Southern California Chapter of the American College of Surgeons



March 1999

Volume 65
Number 3
AMSULAW
ISSN 0003-1348

Published monthly by the Southeastern Surgical Congress • Atlanta

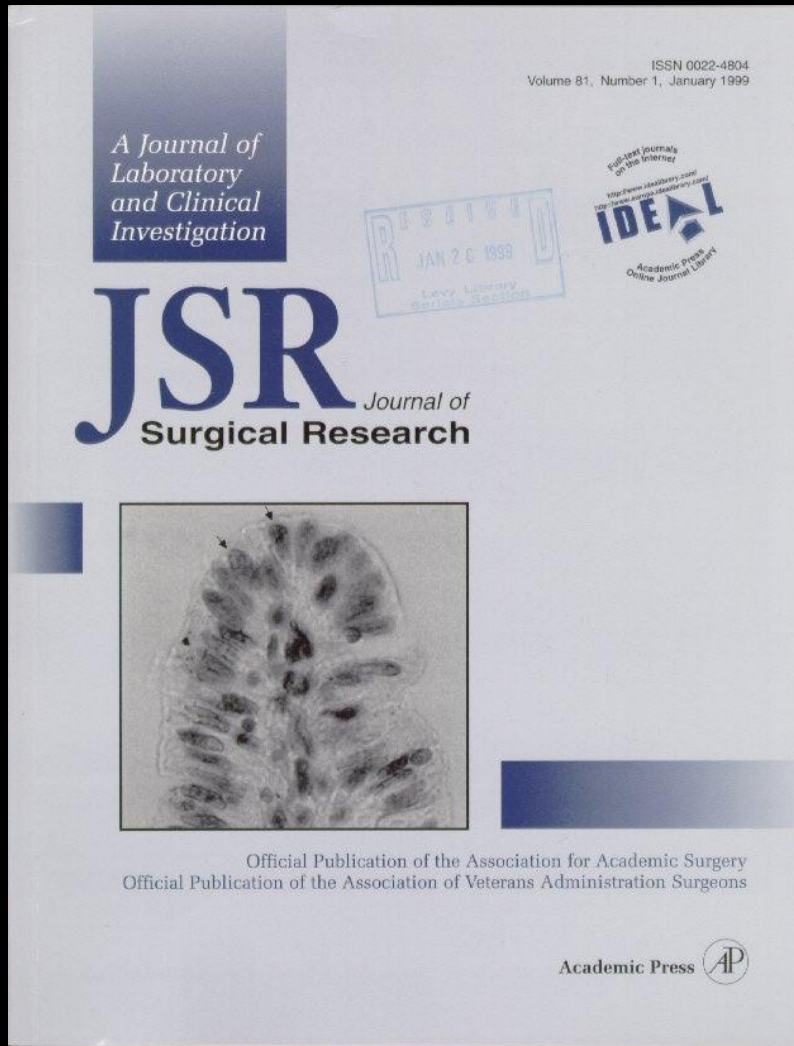
CLINICAL PATHWAY
included

1993 Nov; 59(11):758-63

Oncotic pressure, albumin
and ileus

Albumin replacement had no
effect on postop ileus

1995 Jun; 58(6): 719-23



VIP and substance P
receptor antagonists
improve postop ileus

1993 Jan;165(1):113-9

Treatment of acute postop ileus with octreotide

Octreotide shortened the duration of postop ileus in the small bowel and colon of dogs



Surgery Today 1998; 28(8):787-911

PG F₂alpha and cisapride may be useful as prokinetic agents to promote recovery of postop ileus after the reappearance of MMCs

THE AMERICAN SURGEON™

Official Publication of the

- Southeastern Surgical Congress
- Midwest Surgical Association
- Southern California Chapter of the American College of Surgeons



March 1999

Volume 65
Number 3
AMSUAW
ISSN 0003-1348

Published monthly by the Southeastern Surgical Congress • Atlanta

CLINICAL PATHWAY
included

1996 Jun; 62(6):507-11

There was no diff in duration of postop ileus regardless of whether i/c or e/c mesen division and anas were undertaken

Surgical Endoscopy

Ultrasound and
Interventional Techniques

Volume 13 Number 2
February 1999

OFFICIAL JOURNAL OF
Society of American Gastrointestinal
Endoscopic Surgeons (SAGES)
European Association for
Endoscopic Surgery (E.A.E.S.)

Indexed and abstracted in *Index Medicus—MEDLINE*
Included in the *MEDLARS* system and in *Current Contents*



0930-2794(199902)13:2;1-Q

LINK
Now
available
online
<http://link.springer-ny.com>



Springer

464 Surg Endosc ISSN 0930-2794
SUREEX 13 (2): 99-208 (1999)

1993 ; 7(5):416-9

Garcia et al

LC vs CC+injection of 20 ml
0.5% bupivacaine into
mesen. root

Anesth-Analg. 1998 Feb; 86(2):235-9

I/v lidocaine speeds the return of bowel function, decreases postop pain and shortens hospital stay in patients undergoing radical retropubic prostatectomy

J Clin Gastroenterol. 1997 Dec; 25(4):628-33

Homeopathy for postop ileus? A meta-analysis

There is evidence that homeopathy can reduce the duration of ileus after abdominal and gynecologic surgery

Problems



Retrospective vs trials

Animal models

Different end-points

Confounding factors

Problems



Return of MMC after Abdominal Surgery. End of Postoperative Ileus?

Problems



Conscious effort of preventing fecal evacuation may itself alter colonic motility

Myths



Mechanism for postop ileus is largely independent of the site and extent of operative dissection, length of operation and degree of intestinal handling !! ??

Treatment



General

Specific

Prokinetic drugs

Metoclopramide antidopaminergic benzamide

Domperidon antidopaminergic

Cisapride indirect cholinergic, 5HT

R093877 benzofuran, 5HT₄

February 1999 □ Volume 229, Number 2

ISSN 0003-4932

ANNALS OF SURGERY

A Monthly Review of Surgical
Science and Practice Since 1885

 LIPPINCOTT WILLIAMS & WILKINS

1998 Nov; 228(5):652-63

Surgical manipulation of
the gut elicits an
intestinal muscularis
inflammatory response
resulting in postsurgical
ileus