

Medicolegal aspects of MBS in the US: what crisis?

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Speaker/Advisory board, Medtronic, Intuitive & Ethicon

Procedure disclosure



Presentation outline

- Status of medicolegal practice in the US.
- Why MBS surgeons get sued & how to prevent them.
- Early detection, prevention and management.





Changes in Utilization of Bariatric Surgery in the United States From 1993 to 2016



FIGURE 2. Number of inpatient primary bariatric surgery procedures and initial admission complication and mortality rates in the United States from 1993 to 2016.



Brigham and Women's Hospital Founding Member, Mass General Brigham



Outcomes of Bariatric Surgery Performed at Accredited vs Nonaccredited Centers



Brigham and Women's Hospital Founding Member, Mass General Brigham



Bariatric Surgery and Malpractice: an Extensive Review Obesity Surgery (2023) 33:3611–3620 of Demographics, Complications, Litigation, and Proactive Mitigation Strategies Salman AlSabah¹ · Eliana Al Haddad²

- Systematic review of **19 papers** from 1999-2023.
- The increase in MBS from 2002 to 2013 was accompanied by a concurrent rise in malpractice claims & 25% of all visceral surgery complaints linked to MBS [most claims from young female patients].
- History of abdominal surgery (26.6%), depression or psychiatric illness (24.8%) Smoking (17.8%).
- To reduce complications: effective risk management, comprehensive preoperative assessment, & postoperative FU.



Bariatric Surgery and Malpractice: an Extensive ReviewObesity Surgery (2023) 33:3611–3620of Demographics, Complications, Litigation, and Proactive MitigationStrategiesPrimary prevention:Salman AlSabah¹ · Eliana Al Haddad²

- (a) Communication and informed consent: clear communication about the potential risks, benefits, and alternative options associated with MBS.
- (b) Proper selection of surgical technique: surgeons should adhere to established, evidence-based surgical procedures. Nonstandard weight loss operations, especially in high BMI patients, were overrepresented in malpractice claims. Procedures should be selected according to patient suitability and the surgeon's competency.
- (c) Surgical skill and competence: surgeons should ensure their technical skills are continually updated through ongoing training.
- (d) Accreditation and board certification: hospitals should strive to obtain accreditation for MBS. Surgeons should also attain board certification, as there is a higher risk of malpractice claims against non-board-certifed surgeons.



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(a) early detection and management of complications: this involves prompt identification and appropriate management of common postoperative complications.((b) Effective postoperative care: postoperative care plans should be personalized to patient needs and should involve MDT teams to prevent nutrient deficiencies. (c) Communication in postoperative period: consistent communication between medical providers and patients is vital during the postoperative. (d) Responsiveness to changes in patient status: high vigilance and responsiveness are necessary when managing postoperative patients. (e) **Referral to specialists:** in case of complex complications, immediate referral to

specialists for further evaluation and management is recommended.



Bariatric Surgery and Malpractice: an Extensive Review Obesity Surgery (2023) 33:3611–3620 of Demographics, Complications, Litigation, and Proactive Mitigation Strategies Risk factors for lawsuits Salman AlSabah¹[®] · Eliana Al Haddad²

- Inadequate patient communication & preoperative evaluation.
- Improper or delayed diagnosis and treatment.
- **Surgical errors:** an ASMBS expert panel concluded that **58.1**% of all complications could have been prevented by the surgeon.
- **Inadequate postoperative care**: improved postoperative care could have prevented complications in 45.1% of cases.
- Inadequate supervision in teaching hospitals.
- Performing nonstandard weight loss operations.





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First report from the American Society of Metabolic and Bariatric Surgery closed-claims registry: prevalence, causes, and lessons learned from bariatric surgery medical malpractice claims

- A total of 175 closed claims were collected from 4 national malpractice insurers for index MBS from 2006–2014.
- Of these, 75.9% of surgeons were board certified & 43.3% of the hospitals were accredited for MBS.
- Most clinical complications after MBS that led to malpractice lawsuits were mortality (35.1%) & leaks (17.5%), Tech error (6.9%), bleeding (5.3%), retained foreign body (5.3%), & vascular injury (4.4%) occurred at higher rates than national averages.

John M. Morton, M.D., M.P.H.^{a,*}, Habib Khoury, B.S.^b, Stacy A. Brethauer, M.D.^c, John W. Baker, M.D.^d, William A. Sweet, M.D.^e, Samer Mattar, M.D.^f, Jaime Ponce, M.D.^g, Ninh T. Nguyen, M.D.^h, Raul J. Rosenthal, M.D.ⁱ, Eric J. DeMaria, M.D.^j





HARVARD MEDICAL SCHOOL TEACHING HOSPITAL

Surgery for Obesity and Related Diseases 18 (2022) 943–947

Medicolegal analysis of 100 malpractice claims against bariatric surgeons

Daniel Cottam, M.D.^a, Jeffrey Lord, M.D.^{b.}*, Ramsey M. Dallal, M.D.^c, Bruce Wolfe, M.D.^d, Kelvin Higa, M.D.^e, Kathleen McCauley, J.D.^f, Philip Schauer, M.D.^g



The prevention of leaks, their timely diagnosis & treatment is the single most important strategy to improve patient outcomes and prevent malpractice lawsuits related to bariatric surgery.

Cottam D Surg Obes Relat Dis. 2007 Jan-Feb;3(1):60-6; discussion 66-7. Epub 2006 Dec 27.





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Leak or collection in 86% of patients.
In 15% of the cases, it was noted that the primarysurgeon had left town or transferred coverage immediately before the occurrence of a complication.

Cottam D Surg Obes Relat Dis. 2007 Jan-Feb;3(1):60-6; discussion 66-7. Epub 2006 Dec 27.





Bariatric-related medical malpractice experience: survey results among ASMBS members

Ramsey M. Dallal, M.D.^{a,*}, John Pang, M.D.^a, Ian Soriano, M.D.^a, Daniel Cottam, M.D.^b, Jeffrey Lord, M.D.^c, Susan Cox^d

The probability of a medical malpractice lawsuit correlates positively to the *number of procedures performed and the number of years the surgeon has been in practice.*

Surgery for Obesity and Related Diseases 10 (2014) 121-124

There's an old Chinese proverb that goes: 上得山多终遇虎 (pinyin: shàng de děi shān duō zhōng yù hǔ). "If you go to the mountain often enough, you will meet the tiger."





Surgeons don't get in trouble because a patient had a leak or complication

"It is rather because there was delay" in diagnosis, lack of adequate surgical coverage, or the possibility of a leak/complication was never discussed with the patient and their family"





You cannot plan on NOT having complications

- Follow guidelines like those established by IFSO or ASMBS to help reduce the risk of liability.
- •*Establishing and maintain a solid physician-patient relationship by* using appropriate interpersonal skills.
- Your relationship with the patient and family remains the most effective way of reducing the risk of being sued when there is an unfortunate complication, as well as increasing the chances of a successful defense in the event of suit.

Eagan MC et al Am Surg. 2005 May;71(5):369-75.





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Are Variations in Hospital Mortality Rates with Inpatient Surgery Related to Differences in Complication Rates or Failure to Rescue?



Does early detection matter?





Are Variations in Hospital Mortality Rates with Inpatient Surgery Related to Differences in Complication Rates or Failure to Rescue?









EMERGENCY PRESENTATIONS:

3. Abdominal Pain or Colic > 4 hours

4. Nausea ± Vomiting > 4 hours

s. Vomiting ± Abdominal Pain

Stop Antikangularts, ASA or Plava

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Martin College

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Real Country & PARCE may need 10th at planters

- 1. Unstable Vital Signs
- . FRV#7 > 101" F Hypotension
- Tachycardia > 220 bpm x 4 hours
- Tochyoneo
- Hypoxia
- Decreased urine output

INFORTANT: END & THE AMATOMY IT CAN BE VERY COMPUTING Parlanet of an dant incar which provident they have had, and experient ware the precedure internationally. If years wonthe primary surgeon, call the equar who performed the procedure

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Principles to Guide Management of **Bariatric Emergencies**

I. Critical Time Frame · Diagraper within 6 hours . To Off within 12 of hours II. Critical Warnings Call befactic surgeon early; if not evaluable, call patient surgest engals Transform and Applical addressing transport patients; they do live while aspected ar hold all signs and symptoms, and they have to plipsoit optical receive to weather complications. 195-6-86 · Area "blockplacement" due to tak af تبدأ فيشك أشته · Without decomprise the data internal

 Avoid NUALDY, NUA, PLAYA, Blancador · Ensurer with of slow; hand armslen and performance. Place on PHI for geolds wonder safegueid Ingening deficiency. initially avoid glucoses mits Ruids surface Appropriate to confirmed) The BL of HS will be amplie of multi-family Canvesut in Wenichers synchrone, characterized in grants, melliptics, blaned where, All decivers will be chasse that this of personal courses apartment. Avoid contrading the gatery pouch with and fluids or cananation - should only planting. Initial Assessments

Physical area and vital signal-may need to be testal. Line: C20 · Comprohensive Chamistry Profile * Adultate **Imaging**



· Choirt & Ray + CT of Abdomen with only contrast

Brigham and Women's Hospital

Founding Member, Mass General Brigham

I. Emergency Presentation Vemiting associated with abdominal pain needs prompt surgical evaluation and observation ontil resolved or

HOW TO MONITOR & ADDER PRESSURE

Radio

· Goald in access, may need cantral line PULMONARY EMBOLISM II. Emergency Assessment I. Emergency Presentation · to contrast -minarced chem CF

· Unitable with signs with tachyonia 5 chest pain Pretentetion of united addressed complication work as look or except large electronic to a plant scienter to that of PE

OVOMITING ± ABDOMINAL PAIN



2. Bright Red Blood by Mouth or Rectum, Melena, Bloody Drainage

LEAKS AND SEPSIS

1. Emergency Presentation

- · Unstable vital signs within to hours of bariatric surgery · Persistent and progressive tachycardia (>530 bpm > 4 hrd is
- the most sensitive indicator of potential surgical emergency.
 - · Reprint Association may be subtractified and have results rule and hepdonterals, statedard, trending publicationy echloders (PE), sided to have and/or least
 - Unstable shall signs at presentation are all signs of separation, especially within to hours of backets surgery. Forem 4 and 7, hyperamical, techysteria. technomes, husenes, decreased units in sport
 - · Negetter last of an outra addemonicamplication, a.c.N as how, is office similar to their of PE. Once PE to ruled out (ep/V card-wat estimated class) CF), carinder increased into a start of manipulation
 - * A regarder abdominal CT does not definitively rule out a complication such as a loss. Abdominal series and packografit swallow can be regarate even when thate is a beat

II. Emergency Treatment

 Conservative more personal of the loss that be considered if contained Instabation is well-drained internally or optimally with communication to it sin decumented by mapping and Ohior. If the patient is maked installed? It is an "if, pulse vice bern, MRC vice, normal and and manufact Rectical COLUMN AND

+ Surgical exploration

OBSTRUCTION

I. Emergency Presentation

- Abdominal Pain or Colic > choors
- a Constant particip completed. Position of your Tant a Town, in associated with sensible reactes to provide the and a CTUUP Approach in more cases, but not all
- + No place for Tell-Lide or concernative rearrangement Acata Sewill edicates polential obstruction due to dots in Sittant which may cause performance.
- relianside of the full-boson with and contract or the ture UKI with small-boson fellow through to the celow with post-and to assess for possible allowed to
- Consider Hill Co. (A) of a subgradient scale statement (b) services gain report contract prior to a vestigation for prevent a parameter.
- •X-ray, size and physical essence for an approximity parameter and physical essence for an approximity. Closed-long sitemactions and internet horeign are a tak after gentric factors



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Posterior







insert new compinuity needle sentiar to that used for port-acaths, as the surfamile under pressure and will leak. Spinove as much fluid as possible, then re-evoluate symptoms and findings. · Mastimum band solume is 4-55 mil. depending on model.

Adjustable Gastric Band

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with hand tilted up compared to spran, and hark-in-seafow to

A second s

To deflate the band, advantant eleves their sort is located and

should be able to adjuste on abdominal wall or antifucencolocy.

Can also see it on flat plate a ran. Use viertle prep-under local.

Adjustable Gastric Band Obstructions



assess for provible steriosis or abstruction.





Normal LAGE Gand Tilted Lin

LAGD STORAGE







Leaks and Sepsis Obstruction Pulmonary Embolism Vomiting ± Abdominal Pain Abdominal Compartment Syndrome



I. Emergency Presentation

- Bright Red Blood Gral or Rectal, Melena, Bloody Drainage, Tachycardia, Hypotension, Fainting
- < 48 hrs postop indicates potential bleed from staple line.
- > 48 bits postop indicates potential marginal alcer hemonihage
- Bleeding via oral route indicates potential pouch source.
- Melena or bleeding via rectal route indicates potential dupdenal ulter or distal stomach or bowel source.

II. Emergency Assessment and Treatment III. To Surgery if: Give measured hid field holds

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Abdominal pain after any gastric bypass



Probability of reoperation due to SBO due to internal hernia Closure of mesenteric defects in laparoscopic gastric bypass: a multicentre, randomised, parallel, open-label trial



Figure 3: Cumulative probability of reoperation because of small bowel obstruction due to internal hernia

















Take home messages

- *MBS is as safe as gall bladder surgery.*
- Patient education, communication and informed consent.
- Proper selection of surgical technique, Surgical skill & competence.
- COE accreditation & surgeon certification [FPD MBS & ABOM].
- Early detection and management of complications.
- Effective postoperative care
- Communication in postoperative period.
- Responsiveness to changes in patient status.
- Referral to specialists.



