

Title:	Abdominoplasty/Panniculectomy MP9646 (III-SUR.13)	
Effective Date:	07/01/2024	

This policy was developed with input from specialists in plastic surgery and general surgery, and endorsed by the Medical Policy Committee.

IMPORTANT INFORMATION – PLEASE READ BEFORE USING THIS POLICY

These services may or may not be covered by all Medica Central plans. Coverage is subject to requirements in applicable federal or state laws. Please refer to the member's plan document for other specific coverage information. If there is a difference between this general information and the member's plan document, the member's plan document will be used to determine coverage. With respect to Medicare, Medicaid, and other government programs, this policy will apply unless these programs require different coverage.

Members may contact Medica Customer Service at the phone number listed on their member identification card to discuss their benefits more specifically. Providers with questions may call the Provider Service Center. Please use the Quick Reference Guide on the Provider Communications page for the appropriate phone number. <u>https://mo-</u> central.medica.com/Providers/SSM-employee-health-plan-for-IL-MO-OK-providers

Medica Central coverage policies are not medical advice. Members should consult with appropriate health care providers to obtain needed medical advice, care, and treatment.

PURPOSE

To promote consistency between utilization management reviewers by providing the criteria that determines the medical necessity.

BACKGROUND

- I. Definitions
 - A. A **panniculus** is excess skin and adipose tissue hanging downward from the abdomen and resembles an "apron of skin" overlying the front of the pelvic girdle.
 - B. A **ventral hernia** normally occurs in the abdominal wall at the site of a previous surgical incision. It may also occur at the umbilicus or other area of the abdominal wall. Weakened fascia or muscles result in a bulge or tear in the abdominal wall, allowing the inner lining of the abdomen and/or intestinal loop to extend through the abdominal wall.
 - C. **Abdominoplasty** is a surgical procedure to tighten a lax anterior abdominal wall and remove excess abdominal skin. Abdominoplasty involves resection of skin and fat, and may involve tightening of the abdominal wall through placement of sutures.



- D. **Cellulitis** is an acute spreading bacterial infection (usually Staphylococcus aureus or Group A Streptococcus) in the deeper layers of the skin (i.e., the dermis and subcutaneous tissues). It is characterized by erythema, warmth, swelling, pain, fever, and malaise. Cellulitis commonly appears in areas where there is a break in the skin from an abrasion, a cut, or skin ulceration. Standard treatment is antibiotic therapy.
- E. **Diastasis recti (rectus diastasis)** is the separation of the two rectus muscles along the median line of the abdominal wall, resulting in abdominal wall laxity. Diastasis recti is not considered a true hernia.
- F. **Imbrication** is the operative overlapping of layers of tissue in the closure of wounds or the repair of defects.
- G. **Intertriginous rash** results from dermatitis occurring between juxtaposed folds of skin. The dermatitis is usually caused by retention of sweat, moisture, and warmth which results in an overgrowth of normal skin microorganisms.
- H. **Necrosis** is the death of living cells and tissue. Necrosis is caused by localized tissue injury, such as corrosion or erosion, a lesion or ulceration, or loss of blood supply.
- Panniculectomy is the surgical resection of a panniculus and involves resection of skin and fat (lipectomy), without tightening or imbrication of muscle layer. It can be performed alone or in conjunction with another abdominal surgery or with abdominoplasty. Complications rates were highest when panniculectomy was performed concurrently with bariatric surgery or other procedures such as hernia repair.
- J. **Skin ulceration** is a break in the skin with accompanying loss of surface tissue with disintegration and necrosis of underlying tissue.
- K. The **symphysis pubis** is the area of junction of the pubic bones and lies at the centerfront of the pelvic girdle.
- II. Comments
 - A. The presence of a diastasis recti does not automatically equate to the presence of a ventral hernia.
 - B. A panniculus may exist with or without the presence of a ventral hernia or diastasis recti.

BENEFIT CONSIDERATIONS

- 1. Prior authorization **is required** for abdominoplasty/panniculectomy. Please see the prior authorization list for product specific prior authorization requirements.
- 2. Coverage may vary according to the terms of the member's plan document.
- 3. Cosmetic surgery is generally an exclusion in the member's plan document.
- 4. If the below medical necessity criteria are not met, the procedure(s) would be considered cosmetic.
- 5. The following additional procedures are cosmetic and therefore not covered:
 - a. Repair of rectus diastasis
 - b. Mini-abdominoplasty
 - c. Suction assisted lipectomy (liposuction) as a primary procedure.
- 6. If two or more procedures (one cosmetic and one reconstructive) are performed during the same operative session, the surgeon must delineate the cosmetic and reconstructive components associated with the procedure.
- 7. If the Medical Necessity Criteria and Benefit Considerations are met, The Health Plan staff will authorize benefits within the limits in the member's coverage document.
- 8. If it appears that the Medical Necessity Criteria and Benefit Considerations are not met, the individual's case will be reviewed by the medical director or an external reviewer. Practitioners are reminded of the appeals process in their Provider Administrative Manual.

Medica.

Medica Central Utilization Management Policy

MEDICAL NECESSITY CRITERIA

- I. Indications for **initial or repeat panniculectomy**: Documentation in the medical record indicates that **all of the following** criteria are met:
 - A. Front and lateral photographs submitted showing a panniculus that extends to or beyond the level of the symphysis pubis.
 - B. One of the following is demonstrated:
 - 1. Unrelated or separate abdominal surgery is being performed and medical record specifies how panniculectomy will improve surgical access and optimize post-operative wound healing (e.g., repair of a large ventral hernia associated with a large panniculus).
 - 2. A chronic intertriginous rash causing **one of the following** skin conditions associated with the panniculus:
 - a. Recurrent cellulitis despite appropriate medical treatment and skin care.
 - b. Skin necrosis or ulceration, which is refractory to medical treatment.
 - C. When panniculectomy is associated with weight loss, the medical record indicates that weight has remained stable for a minimum of six months.

II. Indications for initial or repeat abdominoplasty:

NOTE: Abdominoplasty is generally considered cosmetic and requires medical director review.

Documentation in the medical record indicates that **all of the following** criteria are met:

- A. Unrelated or separate abdominal surgery is being performed.
- B. The medical record specifies how abdominoplasty will improve surgical access and optimize post-operative wound healing (e.g., repair of a large ventral hernia associated with a large panniculus).

CENTERS FOR MEDICARE & MEDICAID SERVICES (CMS)

• For Medicare members, refer to the following, as applicable at: <u>https://www.cms.gov/medicare-coverage-database/new-search/search.aspx</u>

DOCUMENT HISTORY



	Committee/Source	Date(s)
Document		
Created:	Medical Policy Committee/Health Services Division	June 21, 2023
Revised:	Medical Policy Committee/Health Services Division	June 20, 2024
Reviewed:	Medical Policy Committee/Health Services Division	June 20, 2024

Published: 07/01/2024 Effective: 07/01/2024



References

Pre-06/2015 Medical Technology Assessment Committee (MTAC) and Medical Policy Committee (MPC):

- 1. Acarturk TO, Wachtman G, Heil B, Landecker A, Courcoulas AP, Manders EK. Panniculectomy as an adjuvant to bariatric surgery. *Ann Plast Surg*. 2004;53(4):360-366.
- 2. American Society of Plastic and Reconstructive Surgeons (ASPRS); The Socioeconomic Committee. ASPS Positions on Recommended Insurance Coverage Criteria. Arlington Heights, IL.

http://www.plasticsurgery.org/Medical Professionals/Health Policy and Advocacy/Health Policy Resources/Recommended Insurance Coverage Criteria.html. July 2006. Updated 2007. Accessed March 1, 2014.

- American Society of Plastic and Reconstructive Surgeons (ASPRS); The Socioeconomic Committee. Surgical Treatment of Skin Redundancy for Obese and Massive Weight Loss Patients. Arlington Heights, IL. <u>http://www.plasticsurgery.org/Documents/medicalprofessionals/health-policy/insurance/Surgical-Treatment-of-Skin-Redundancy-Following.pdf</u>. July 2006. Updated 2007. Accessed March 1, 2014.
- American Society of Plastic and Reconstructive Surgeons (ASPRS); The Socioeconomic Committee. Practice Parameter: Abdominoplasty and Panniculectomy Unrelated to Obesity or Massive Weight Loss.

<u>http://www.plasticsurgery.org/Medical Professionals/Health Policy and Advocacy/Health Policy Resources/Evidence-based GuidelinesPractice Parameters.html</u>. January, 2007. Accessed March 1, 2014.

- 5. Dessy LA, Mazzocchi M, Fallico N, Anniboletti T, Scuderi N. Association between abdominal separation and inguinal or crural hernias: our experience and surgical indications. *J Plast Surg Hand Surg*. 2013;47(3):209-212.
- 6. Fraccalvieri M, Datta G, Bogetti P, et al. Abdominoplasty after weight loss in morbidly obese patients: a 4-year clinical experience. *Obes Surg.* 2007;17(10):1319-1324.
- 7. Friedland JA, Maffi TR. MOC-PS(SM) CME article: abdominoplasty. *Plast Reconstr Surg*. 2008;121(4 Suppl):1-11.
- 8. Gurunluoglu R. Panniculectomy and redundant skin surgery in massive weight loss patients: current guidelines and recommendations for medical necessity determination. *Ann Plast Surg.* 2008;61(6):654-657.
- 9. Gurunluoglu R, Williams SA, Johnson JL. A classification system in the massive weight loss patient based on skin lesions and activity of daily living. *Eplasty*. 2012;12:111-125.
- 10. Hayes, Inc. *Hayes Health Technology Brief: Panniculectomy for Abdominal Contouring Following Massive Weight Loss.* June, 2010. Search last updated June 2011. [Archived.] Lansdale, PA.
- 11. Hayes, Inc. *Hayes Brief: Panniculectomy for Abdominal Contouring Following Massive Weight Loss.* September 2012. Annual Review last updated October 2013. Lansdale, PA.
- 12. Hickey F, Finch JG, Khanna A. A systematic review on the outcomes of correction of diastasis of the recti. *Hernia*. 2011;15(6):607-614.
- 13. Hughes KC, Weider L, Fischer J, et al. Ventral hernia repair with simultaneous panniculectomy. *American Surgeon.* 1996;62:678-681.
- 14. Manahan MA, Shermak MA. Massive panniculectomy after massive weight loss. *Plast Reconstr Surg.* 2006;117(7):2191-2197.
- 15. Mericli AF, Drake DB. Abdominal contouring in super obese patients: a single-surgeon review of 22 cases. *Ann Plast Surg.* May 2011;66(5):523-527.



- 16. National Heart, Lung and Blood Institute. Clinical Guidelines on the Identification, Evaluation, and Treatment of Overweight and Obesity in Adults. NIH publication No. 98-4083. <u>http://www.nhlbi.nih.gov/guidelines/obesity/ob_gdlns.pdf</u>. September 1998. Accessed March 1, 2014.
- 17. Neaman KC, Hansen JE. Analysis of complications from abdominoplasty. A review of 206 cases at a university hospital. *Ann Plast Surg*. 2007;58(3):292-298.
- 18. Sati S, Pandya S. Should a panniculectomy/abdominoplasty after massive weight loss be covered by insurance? *Ann Plast Surg.* 2008;60(5):502-504.
- 19. Tadiparthi S. Shokrollahi K, Doyle GS, Fahmy FS. Rectus sheath plication in abdominoplasty: assessment of its longevity and a review of the literature. *J Plast Reconstr Aesthet Surg*. 2012;65(3):328-332.
- 20. Zemlyak AY1, Colavita PD, El Djouzi S, et al. Comparative study of wound complications: isolated panniculectomy versus panniculectomy combined with ventral hernia repair. *J Surg Res.* 2012;177(2):387-391.

06/2015 MPC:

- 21. Akram J, Matzen SH. Rectus abdominis diastasis. *J Plast Surg Hand Surg*. 2014;48(3):163-9. doi: 10.3109/2000656X.2013.859145.
- 22. Hayes Inc. Hayes Annual Review: Panniculectomy for Abdominal Contouring Following Massive Weight Loss. Last updated August 2014.
- 23. Mizell JS. Incisions for open abdominal surgery. Last updated September 17, 2013. In: *UpToDate*, Basow, DS (Ed), UpToDate, Waltham, MA, 2015.
- 24. Veríssimo P, Nahas FX, Barbosa MV, de Carvalho Gomes HF, Ferreira LM. Is it possible to repair diastasis recti and shorten the aponeurosis at the same time? *Aesthetic Plast Surg.* 2014;38(2):379-86. doi: 10.1007/s00266-014-0272-z.

04/2016 MPC:

- 25. Colabianchi V, de Bernardinis G, Giovannini M, Langella M. Panniculectomy Combined with Bariatric Surgery by Laparotomy: An Analysis of 325 Cases. *Surg Res Pract.* 2015;2015:193670. doi: 10.1155/2015/193670.
- 26. Dumanian GA, Cheesborough JE. Reply: Simulta neous Prosthetic Mesh Abdominal Wall Reconstruction with Abdominoplasty for Ventral Hernia and Severe Rectus Diastasis Repairs. *Plast Reconstr Surg*. 2016 Jan;137(1):254e-255e. doi: 10.1097/PRS.00000000001913.
- Quilichini J, Leyder P. Simultaneous Prosthetic Mesh Abdominal Wall Reconstruction with Abdominoplasty for Ventral Hernia and Severe Rectus Diastasis Repairs. *Plast Reconstr Surg.* 2016 Jan;137(1):252e-254e. doi: 10.1097/PRS.000000000001932.

06/2017 MPC:

- 28. Ghnnam W, Elrahawy A, Moghazy ME. The Effect of Body Mass Index on Outcome of Abdominoplasty Operations. *World J Plast Surg*. 2016;5(3):244-251.
- 29. Iljin A, Antoszewski B, Durczyński A, Lewandowicz E, Strzelczyk J. Long-Term Results of Incisional Hernia Repair with Concomitant Abdominoplasty in Postbariatric Patients. Pol Przegl Chir. 2016 May 1;88(3):147-154.
- 30. Le Gall H, Reibel N, De Runz A, Epstein J, Brix M. Abdominoplasty and simultaneous laparoscopic ventral hernia repair. Clinical study about 45 patients. *Ann Chir Plast Esthet*. 2017;62(2):115-121.



- Moreno-Egea A, Campillo-Soto Á, Morales-Cuenca G. Does Abdominoplasty Add Morbidity to Incisional Hernia Repair? A Randomized Controlled Trial. *Surg Innov*. 2016;23(5):474-480. doi: 10.1177/1553350616646480.
- 32. Shubinets V, Fox JP, Tecce MG, et al. Concurrent panniculectomy in the obese ventral hernia patient: Assessment of short-term complications, hernia recurrence, and healthcare utilization. *J Plast Reconstr Aesthet Surg.* 2017. pii: S1748-6815(17)30032-3. doi: 10.1016/j.bjps.2017.01.001._

06/2018 MPC:

- 33. Dietz UA, Fleischhacker A, Menzel S, et al. Risk-adjusted procedure tailoring leads to uniformly low complication rates in ventral and incisional hernia repair: a propensity score analysis and internal validation of classification criteria. *Hernia*. 2017;21(4):569-582. doi: 10.1007/s10029-017-1622-y.
- 34. Giordano S, Garvey PB, Baumann DP, Liu J, Butler CE. Concomitant Panniculectomy Affects Wound Morbidity but Not Hernia Recurrence Rates in Abdominal Wall Reconstruction: A Propensity Score Analysis. *Plast Reconstr Surg.* 2017;140(6):1263-1273. doi: 10.1097/PRS.00000000003855.
- 35. Rasmussen RW, Patibandla JR, Hopkins MP. Evaluation of indicated non-cosmetic panniculectomy at time of gynecologic surgery. *Int J Gynaecol Obstet*. 2017;138(2):207-211. doi: 10.1002/ijgo.12207.
- Seth AK, Lin AM, Austen WG Jr, Gilman RH, Gallico GG 3rd, Colwell AS. Impact of Patient Subtype and Surgical Variables on Abdominoplasty Outcomes: A 12-Year Massachusetts General Hospital Experience. *Plast Reconstr Surg*. 2017;140(5):899-908. doi: 10.1097/PRS.00000000003816.
- 37. Shubinets V, Fox JP, Tecce MG, et al. Concurrent panniculectomy in the obese ventral hernia patient: Assessment of short-term complications, hernia recurrence, and healthcare utilization. *J Plast Reconstr Aesthet Surg.* 2017;70(6):759-767. doi: 10.1016/j.bjps.2017.01.001.
- 38. Wilhelmsson S, Fagevik Olsén M, Staalesen T, Elander A, Nygren-Bonnier M. Abdominal plasty with and without plication-effects on trunk muscles, lung function, and self-rated physical function. *J Plast Surg Hand Surg*. 2017;51(3):199-204. doi: 10.1080/2000656X.2016.1222293.

06/2019 MPC:

- Dutot MC, Serror K, Al Ameri O, Chaouat M, Mimoun M, Boccara D. Improving Safety after Abdominoplasty: A Retrospective Review of 1128 Cases. *Plast Reconstr Surg.* 2018;142(2):355-362. doi: 10.1097/PRS.00000000004572.
- 40. Friedman T, Wiser I. Abdominal Contouring and Combining Procedures. *Clin Plast Surg.* 2019;46(1):41-48. doi: 10.1016/j.cps.2018.08.006.
- 41. Mizell JS. Complications of abdominal surgical incisions. Last updated May 15, 2018. In: *UpToDate*, Basow, DS (Ed), UpToDate, Waltham, MA, 2019.
- 42. Mizell JS. Incisions for open abdominal surgery. Last updated June 03, 2017. In: *UpToDate*, Basow, DS (Ed), UpToDate, Waltham, MA, 2019.
- 43. Swedenhammar E, Stark B, Hållstrand AH, Ehrström M, Gahm J. Surgical Training and Standardised Management Guidelines Improved the 30-Day Complication Rate After Abdominoplasty for Massive Weight Loss. *World J Surg.* 2018;42(6):1647-1654. doi: 10.1007/s00268-017-4341-8.

06/2020 MPC:



- 44. Alzahrani KJ, Kattan AE, Ezzat LA, Alsaleh SA, Murad KA, Alghamdi BA. A Psychosocial Analysis of the Effect of Body-Contouring Surgery on Patients After Weight Loss. *Eplasty*. 2017;17:e12. eCollection 2017.
- Cooper JM, Paige KT, Beshian KM, Downey DL, Thirlby RC. Abdominal panniculectomies: high patient satisfaction despite significant complication rates. *Ann Plast Surg.* 2008;61(2):188-96. doi: 10.1097/SAP.0b013e318158a7b2.
- 46. Hayes Inc. *Hayes Directory: Panniculectomy for Treatment of Symptomatic Panniculi*. May 2019. Annual Review last updated June 2019. Lansdale. PA.
- Michaels J 5th, Coon D, Calotta NA, Peter Rubin J. Surgical Management of the Giant Pannus: Indications, Strategies, and Outcomes. *Aesthetic Plast Surg.* 2018;42(2):369-375. doi: 10.1007/s00266-017-1041-6.
- 48. Mizell JS. Complications of abdominal surgical incisions. Last updated May 15, 2018. In: *UpToDate*, Basow, DS (Ed), UpToDate, Waltham, MA, 2020.
- 49. Mizell JS. Incisions for open abdominal surgery. Last updated April 29, 2019. In: *UpToDate*, Basow, DS (Ed), UpToDate, Waltham, MA, 2019.
- 50. Papadopulos NA, Meier AC, Henrich G, et al. Aesthetic abdominoplasty has a positive impact on quality of life prospectively. *J Plast Reconstr Aesthet Surg*. 2019;72(5):813-820. doi: 10.1016/j.bjps.2018.12.020.
- 51. Song P, Patel NB, Gunther S, et al. Body Image & Quality of Life: Changes With Gastric Bypass and Body Contouring. *Ann Plast Surg*. 2016;76 Suppl 3:S216-21. doi: 10.1097/SAP.00000000000788.
- Toma T, Harling L, Athanasiou T, Darzi A, Ashrafian H. Does Body Contouring After Bariatric Weight Loss Enhance Quality of Life? A Systematic Review of QOL Studies. *Obes Surg.* 2018;28(10):3333-3341. doi: 10.1007/s11695-018-3323-8.

06/2021 MPC:

No new references.

06/2022 MPC:

No new references.

06/2023 MPC:

No new references.