

## **Medical Coverage Policy**

#### **Utilization \*ALERT\***

- Prior to use of this MCP for evaluation of medical necessity, benefit coverage MUST be verified in the member's EOC or benefit document.
- For Medicare members, please refer to CMS guidelines through Medicare Coverage Database requirements.
- Note: After searching the Medicare Coverage Database, if no NCD/LCD/LCA is found, then use the policy referenced above for coverage guidelines
- I. Specialty: Plastic and Reconstructive Surgery

#### II. Coverage

- **A.** In general, Kaiser Foundation Health Plan, Inc. (KFHP) coverage for plastic and reconstructive surgery is contractually limited to those procedures that are intended to significantly improve physical function.
- **B.** Procedures and services intended to improve or maintain appearance, not expected to significantly improve physical function, are considered cosmetic and usually excluded contractually.
- **C.** Inform your patient that certain plastic surgery procedures may not be covered benefits because of specific exclusions in their or their employer's contract with KFHP. Note that contracts may differ significantly for Maryland, Virginia, DC, Federal, Medicare, and for self-pay members.
- **D.** A Kaiser Permanente-participating physician must order imaging and testing necessary to establish a diagnosis
- **E.** Direct patient inquiries on plastic and reconstructive surgery benefits to Member Services.

#### III. Coverage Criteria

- A. Panniculectomy is a covered service when ALL of the following criteria are met:
  - 1. Pannus is Grade II or above as documented by clinical notes and/or pre-operative notes; and
  - Pannus has caused chronic and persistent skin condition (panniculitis, intertriginous dermatitis, cellulitis, and skin ulcerations) that is unresponsive and refractory to three or more months of medical treatment. Medical treatment should consist of good hygiene practices, topical antifungals, topical and/or systemic corticosteroids, and local and/or systemic antibiotics; and
  - 3. Pannus interferes with activities of daily living.
- B. Panniculectomy performed in conjunction with abdominal or gynecological procedures (such as hysterectomy, obesity surgery, including hernia repair that are reducible and have associated symptoms) is considered medically necessary if all the criteria for performing panniculectomy (III A.) have been met or there is persistent documented infection which cannot be resolved with medical treatments;



### **Medical Coverage Policy**

- Panniculectomy is considered medically necessary in relation to the abdominal or gynecological procedures when the panniculectomy will reduce excessive skin tension that may impair wound healing;
- D. Select patients undergoing renal transplant whose large pannus creates a very high risk for wound complications should be considered for a medically necessary panniculectomy pretransplant.
- E. Other redundant skin and fat removal surgeries, including but not limited to brachioplasty, thigh lift, back lift are covered if there is clear documentation of significant functional deficits, including:
  - Interference with activities of daily living due to the redundant soft tissues limiting range of motion; and
  - 2. Pain due to the redundant tissue requiring evaluation by a medical professional; and
  - Skin breakdown and skin infections including fungal infections due to friction in the
    intertriginous zones that don't respond to three or more months of medical treatment. Medical
    treatment should consist of good hygiene practices, topical antifungals, topical and/or
    systemic corticosteroids, and local and/or systemic antibiotics.

#### IV. Restrictions/Limitations

- **A.** In addition to the Section III criteria, obese patients (BMI greater than 35) must receive nutrition education for 3 or more months, as follows:
  - 1. Documentation of attendance of professional nutrition class such as KPMAS Nutrition for Weight Control; and,
  - 2. Documentation and completion of two or more individual professional nutrition counseling sessions are required.
- **B.** In addition to criteria A. above, if the panniculectomy is being performed after significant weight loss documentation, it must be documented that the **patient has maintained a stable weight for a minimum of six (6) months.**
- **C.** If the significant weight loss is the result of bariatric surgery, panniculectomy should not be performed until eighteen (18) months post bariatric surgery and when the weight loss has been stable **for the most recent six (6) months.**

### V. Exclusions

Panniculectomy is not medically necessary and not a covered benefit for any of the following indications (list is not inclusive):

- **A.** Treatment of neck or back pain;
- **B.** Minimizing risk of hernia formation or recurrence;
- **C.** Repairing abdominal wall laxity or diastasis recti:
- **D.** Suction assisted lipectomy performed alone and not as a part of a medically necessary panniculectomy procedure, is not medically necessary and not a covered benefit;



## **Medical Coverage Policy**

### VI. Grading Scale:

- **A.** Grade 1: the panniculus reaches the pubic hair but not the genitals
- **B.** Grade 2: the panniculus lies over the genitals down to the thigh crease
- **C.** Grade 3: the panniculus reaches down to the upper thigh.
- **D.** Grade 4: the panniculus hangs down to mid-thigh level.
- **E.** Grade 5: the panniculus reaches the knees.

#### References

- 1. Borud LJ, Warren AG. Body contouring in the postbariatric surgery patient. Journal of the American College of Surgeons 2006;203(1):82-93.
- 2. Brown M, Adenuga P, Soltanian H. Massive panniculectomy in the super obese and super-super obese: retrospective comparison of primary closure versus partial open wound management. Plast. Reconstr. Surg. Jan 2014; 133(1); 32-9.
- 3. Evans C, Debord J, Howe H, Marshall JS, Rossi T, Owolabi M. Massive panniculectomy results in improved functional outcome. American Journal of Surgery 2014:207(3):441-4.
- 6. Hasanbegovic E, Ahm Sørensen J. Complications following body contouring surgery after massive weight loss: A meta-analysis. *Journal of Plastic, Reconstructive & Aesthetic Surgery*, Mar 2014 67: (3), 295.
- 7. Kuo JH. Panniculectomy in preparation for renal transplantation: a new indication for an old procedure to reduce renal transplantation-associated wound complications. *Plast Reconstr Surg* Dec 2011; 128(6): 1236-40.
- 8. Medicare Coverage Database; No applicable criteria: search terms pannus, panniculectomy, and abdominoplasty. Accessed 2/9/2016.
- 9. O'Brien JA. Fleur-de-lis panniculectomy after bariatric surgery: our experience. *Ann Plast Surg* Jan 2012; 68(1): 74-8.
- 10. Ortega J. Requirement and postoperative outcomes of abdominal panniculectomy alone or in combination with other procedures in a bariatric surgery unit. *Am J Surg* Aug 2010; 200(2): 235-40.
- 11. Zannis J, Wood BC, Griffin LP, Knipper E, Marks MW, David LR. Outcome study of the surgical management of panniculitis. Annals of Plastic Surgery 2012;68(2):194-7.
- 12. Insurance coverage for massive weight loss panniculectomy: a national survey and implications for policy. Stephanie E. Dreifuss M.D.and J. Peter Rubin M.D.Surgery for Obesity and Related Diseases, 2016-02-01, Volume 12, Issue 2, Pages 412-416, Copyright © 2016 American Society for Bariatric Surgery.
- 13. Panniculectomy and Redundant Skin Surgery in Massive Weight Loss Patients: Current Guidelines and Recommendations for Medical Necessity Determination.Gurunluoglu, Raffi MD, PhD Annals of Plastic Surgery. 61(6):654-657, December 2008. [Review Article]
- 14. Concurrent panniculectomy in the obese ventral hernia patient: Assessment of short-term complications, hernia recurrence, and healthcare utilization. Shubinets, Valeriy; fox, Justin P.; Tecce, Michael G.; Mirzabeigi, Michael N.; Lanni, Michael A.; Kelz, Rachel R; Dumon, Kristoffel R., Kovach, Stephen J.;



## **Medical Coverage Policy**

- Fischer, John P. in Journal of Plastic, Reconstructive & Aestheic Surgery. June 2017 70(6): 759-767. Language: English. DOI: 10.1016/j.bjps.2017 01.001.
- 15. Insurance coverage for massive weight loss panniculectomy: a national survey and implications for policy. Stephanie E. Dreyfuss, MD and J. Peter Rubin, MD. Surgery for Obesity and Related Diseases, 2016-02-01, Volume 12, issue 2, pages 412-416, Copyright © 2016 American Society for Bariatric Surgery.
- 16. American Society for Metabolic and Bariatric Surgery and American Hernia Society consensus guideline on bariatric surgery and hernia surgery Emanuele Lo Menzo M.D., Marcelo Hinojosa M.D., Alfredo Carbonell M.D., David Krpata M.D., Jonathan Carter M.D. and Ann M. Rogers M.D. Surgery for Obesity and Related Diseases, 2018-09-01, Volume 14, Issue 9, Pages 1221-1232, Copyright © 2018 American Society for Bariatric Surgery.
- 17. Cammarata, M. J., Kantar, R. S., Rifkin, W. J., Greenfield, J. A., Levine, J. P., & Ceradini, D. J. (2019). Advanced Age Is a Risk Factor for Complications Following Abdominal Panniculectomy. *Obesity surgery*, 29(2), 426–433. https://doi.org/10.1007/s11695-018-3492-5.
- Lesko, R. P., Cheah, M. A., Sarmiento, S., Cooney, C. M., & Cooney, D. S. (2020). Postoperative Complications of Panniculectomy and Abdominoplasty: A Retrospective Review. *Annals of plastic* surgery, 85(3), 285–289. https://doi.org/10.1097/SAP.0000000000002220
- 19. Elhage, S. A., Marturano, M. N., Deerenberg, E. B., Shao, J. M., Prasad, T., Colavita, P. D., Kercher, K. W., Heniford, B. T., & Augenstein, V. A. (2020). Impact of panniculectomy in complex abdominal wall reconstruction: a propensity matched analysis in 624 patients. *Surgical endoscopy*, 10.1007/s00464-020-08011-7. Advance online publication. https://doi.org/10.1007/s00464-020-08011-7
- Lee, J., Alfonso, A. R., Kantar, R. S., Diep, G. K., Berman, Z. P., Ramly, E. P., Daar, D. A., Levine, J. P., & Ceradini, D. J. (2020). Modified Frailty Index Predicts Postoperative Complications following Panniculectomy in the Elderly. *Plastic and reconstructive surgery. Global open*, 8(7), e2987. https://doi.org/10.1097/GOX.000000000002987
- 21. American Society of Plastic Surgeons (ASPS); Position Paper: Abdominoplasty and Panniculectomy Unrelated to Obesity or Massive Weight Loss. 2007. Arlington Heights IL. Available at: <a href="http://www.plasticsurgery.org/Documents/medicalprofessionals/health-policy/evidence-practice/AbdominoplastyAndPanniculectomy.pdf">http://www.plasticsurgery.org/Documents/medicalprofessionals/health-policy/evidence-practice/AbdominoplastyAndPanniculectomy.pdf</a>. Accessed December 13, 2021.
- 22. American Association of Clinical Endocrinologists, The Obesity Society, American Society for Metabolic and Bariatric Surgery Clinical Practice Guidelines for the Perioperative Nutritional, Metabolic, and Nonsurgical Support of the Bariatric Surgery Patient-2013. Available online with sign in: https://asmbs.org/resources/clinical-practice-guidelines-for-the-perioperativenutritional-metabolic-and-nonsurgical-support-of-the-bariatric-surgery-patient. Accessed December 13, 2021.
- 23. American Society of Plastic Surgeons (ASPS). Practice Parameter for Surgical Treatment of Skin Redundancy for Obese and Massive Weight Loss Patients. 2017. https://www.plasticsurgery.org/documents/Health-Policy/Guidelines/guideline2017-skin-redundancy.pdf. Accessed December 13, 2021.
- 24. American Society of Plastic Surgeons (ASPS). ASPS Recommended Insurance Coverage Criteria for Third-Party Payers. Surgical Treatment of Skin Redundancy for Obese and Massive Weight Loss Patients. June 2017. <a href="https://www.plasticsurgery.org/documents/Health-Policy/Reimbursement/insurance-2017-skin-redundancy-for-obese-and-massive-weight-loss-patients.pdf">https://www.plasticsurgery.org/documents/Health-Policy/Reimbursement/insurance-2017-skin-redundancy-for-obese-and-massive-weight-loss-patients.pdf</a>



## **Medical Coverage Policy**

- 25. Chung, C. W., Kling, R. E., Sivak, W. N., Rubin, J. P., & Gusenoff, J. A. (2014). Risk factors for pannus formation in the post-bariatric surgery population. *Plastic and reconstructive surgery*, *133*(5), 623e–627e. https://doi.org/10.1097/PRS.0000000000000101
- Cadwell, J.B., Ahsanuddin, S., Ayyala, H.S. et al. Panniculectomy Outcomes by Body Mass Index: an Analysis of 12,732 Cases. OBES SURG 31, 3660–3666 (2021). https://doi.org/10.1007/s11695-021-05468-w
- 27. Kuruoglu, Doga MD\*; Salinas, Cristina A. BS†; Tran, Nho V. MD\*,‡; Nguyen, Minh-Doan T. MD, PhD\*,‡; Martinez-Jorge, Jorys MD\*,‡; Bite, Uldis MD\*,‡; Harless, Christin A. MD\*,‡; Sharaf, Basel MD, FACS\*,‡. Abdominal Panniculectomy: An Analysis of Outcomes in 238 Consecutive Patients over 10 Years. Plastic and Reconstructive Surgery Global Open 9(11):p e3955, November 2021. | DOI: 10.1097/GOX.0000000000003955
- 28. Samuel A, Hakami, L, Campbell C, DeGeorge Jr, B, Black, J. Stranix, J. Abdominal panniculectomy: Identifying complications and potential risk factors. Journal of Plastic, Reconstructive and Aesthetic Surgery. <a href="Volume 75">Volume 75</a>, Issue 9</a>, September 2022, Pages 3534-3540
  <a href="https://www.sciencedirect.com/science/article/abs/pii/S174868152200256X">https://www.sciencedirect.com/science/article/abs/pii/S174868152200256X</a>
- 29. MCG 28<sup>th</sup> edition, Copyright © 2024 MCG Health, LLC. ACG: A-0498; Panniculectomy. Accessed 12/18/2024
- 30. Rosenfield, L. K., & Davis, C. R. (2019). Evidence-Based Abdominoplasty Review With Body Contouring Algorithm. *Aesthetic surgery journal*, 39(6), 643–661. https://doi.org/10.1093/asj/sjz013
- 31. Bresnick, S. D., & Lagman, C. (2023). The Safety of Abdominal Contouring in the Presence of a Gastric Band. *Plastic and reconstructive surgery. Global open*, *11*(11), e5421. https://doi.org/10.1097/GOX.0000000000005421
- 32. Song, P., Patel, N. B., Gunther, S., Li, C. S., Liu, Y., Lee, C. Y., Kludt, N. A., Patel, K. B., Ali, M. R., & Wong, M. S. (2016). Body Image & Quality of Life: Changes With Gastric Bypass and Body Contouring. *Annals of plastic surgery*, 76 Suppl 3(Suppl 3), S216–S221. https://doi.org/10.1097/SAP.00000000000000788



## **Medical Coverage Policy**

### **Approval History**

Date approved by RUMC*	Date filed with the State of Maryland	Date of Implementation (Ten days after filing)
04/14/2011	04/15/2011	04/26/2011
04/24/2012	04/24/2012	05/05/2012
03/28/2013	03/29/2013	04/09/2013
03/28/2014	04/02/2014	04/12/2014
04/22/2015	04/28/2015	05/11/2015
04/26/2016	04/28/2016	05/11/2016

#### **Approval History**

Effective June 01, 2016, state filing is no longer required per Maryland House Bill HB 798 - Health Insurance - Reporting

Date approved by RUMC	Date of Implementation
04/25/2017	04/26/2017
04/27/2018	04/27/2018
03/27/2019	03/27/2019
03/26/2020	03/26/2020
03/22/2021	03/22/2021
03/22/2022	03/22/2022
03/22/2023	03/22/2023
03/19/2024	03/19/2024

<sup>\*</sup>The Regional Utilization Management Committee received **delegated authority** to review and approve designated Utilization Management and Medical Coverage Policies by the Regional Quality Improvement Committee in 2011.

Note: Kaiser Permanente Mid-Atlantic States (KPMAS) include referral and authorization criteria to support primary care and specialty care practitioners, as appropriate, in caring for members with selected conditions. Whenever possible, Medical Coverage Policies are evidence-based and may also include expert opinion. Medical Coverage Policies are not intended or designed as a substitute for the reasonable exercise of independent clinical judgment by a practitioner in any particular set of circumstances for an individual member.

©2024, Kaiser Foundation Health Plan of the Mid-Atlantic States, Inc. ©2024, Mid-Atlantic Permanente Medical Group, P.C.