

Abdominoplasty Surgery



Northland Plastic Surgery

Surgery Handbook

Abdominoplasty

A surgical procedure that removes excess skin and fat from the abdomen and tightens the muscles of the abdominal wall.

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PROCEDURE OVERVIEW - ABDOMINOPLASTY

Abdominoplasty is a surgical procedure that improves the contour of the abdomen by removing excess skin and fat and tightening the abdominal wall. The goal is a flatter and tighter abdomen. Often, liposuction is used in combination with abdominoplasty to achieve the best results.

The best candidates for abdominoplasty are those who are in good health, have loose abdominal skin, excess abdominal fat that has not responded to dieting or exercise, or a weakened abdominal wall from pregnancy and aging. If you are considering pregnancy or significant weight loss, you should postpone abdominoplasty. Stretch marks or other scars may be removed with abdominoplasty but only if they are within the skin that is being removed. Abdominoplasty contours the abdomen; it will not slim your hips, thighs, or buttocks.

Abdominoplasty is a major operation. You must be prepared for significant recovery time and a resulting scar. The procedure is performed under general anesthesia on an outpatient basis. A standard abdominoplasty takes about 2-4 hours. It results in a horizontal scar above the pubic hairline extending toward the hips, a scar around the belly button, and possibly a short vertical scar below the belly button to the pubic hair. Generally, the more skin and fat that needs to be removed, the longer the horizontal scar will be. A mini abdominoplasty is performed when only loose skin needs to be removed from the central lower abdomen. The horizontal scar is shorter and there is no scar around the belly button. At the time of surgery drains will be placed under the skin to prevent fluid accumulation. These are usually removed 1-2 weeks after surgery when the drainage has significantly decreased or stopped. The incisions are closed with dissolvable sutures and covered with gauze dressings or Steri-Strips.

Abdominoplasty can be an uncomfortable procedure. It is helpful to have someone at home to help you the first few days after surgery. You will have a moderate amount of discomfort and reduced activity during the first weeks. You will be seen several times after surgery to monitor your healing. As you recover, we will give you guidance related to activity. In general, you should plan to stay home from work for 2-6 weeks and restrict heavy lifting for 11-12 weeks.

Abdominoplasty is a very common surgery that produces long lasting results. Unless you gain or lose a significant amount of weight, you can expect to retain your new shape for many years.

PREPARING FOR SURGERY

STARTING NOW

• STOP SMOKING AND ALL NICOTINE PRODUCTS: We strongly recommend that you stop the use of ALL nicotine products at least one month before your surgery. Smoking reduces circulation to the skin and slows healing. In some cases, your physician may cancel your surgery if you do not follow this recommendation.

2 WEEKS BEFORE SURGERY

- STOP 2 WEEKS PRIOR: Fish oil, garlic, ginger, gingko biloba, ma huang, and vitamin E. Any herbal or homeopathic supplement.
- STOP 10 14 DAYS PRIOR: Do not take anti-inflammatories. Review the provided list of drugs to avoid and discontinue their use 10 14 days before your surgery. Such drugs can cause bleeding, delay in healing, anesthesia conflicts, infection, or problems during and after surgery. Use medications containing acetaminophen (such as Tylenol) instead. If you are unsure about discontinuing a medication, please consult with your primary physician.

24 – 48 HOURS BEFORE YOUR SURGERY

- CONFIRM YOUR SURGERY TIME: A nurse will call you 1 − 2 days before your surgery to review your medical status and confirm your surgery time. If a nurse has not reached you by 3:00 PM the day before your surgery, please call Lakewalk Surgery Center at 218-728-0650 or 877-728-0650 for your final preoperative instructions.
- EATING AND DRINKING: Do not eat or drink anything after 12:00 midnight the night before your surgery. This includes water. Do not drink alcohol within 24 hours of surgery.

THE MORNING OF SURGERY

- MEDICATIONS: If you take a daily medication that must be taken in the morning, you may take it with a <u>sip of water</u> in the early morning. Absolutely do not eat or drink anything else.
- ORAL HYGIENE: You may brush your teeth but DO NOT swallow the water.
- CLEANSING: Shower or bathe using an antibacterial soap such as Dial the morning of your surgery.
- TOPICALS: Please do not wear moisturizers, creams, lotions, deodorant, or make-up.
- CLOTHING: Wear comfortable, loose-fitting clothing that does not need to be put on over your head. Remove hair accessories and jewelry. <u>Please do not bring valuables with you.</u>

MEDICATIONS TO AVOID

- We have provided a list of medications that should be avoided when you are having surgery. These medications can prolong bleeding and should be avoided for 10 14 days before your surgery. Your surgeon will advise you when it is safe for you to use anti-inflammatories after your surgery.
- Please review the list carefully. Check the labels of all medicines that you take, even those available without a prescription, to make sure you are not taking any of these substances. If you have questions about any of the medications that you are taking, please let us know or talk with your primary care physician. It is important that we know all the current medications, vitamins, herbs, or other supplements that you are taking.
- If you need a medication for pain during this time, you may use products containing acetaminophen (Tylenol).

Aspirin medications to avoid

Talwin 4-Way Cold Tablets Ecotrin products 5-Aminosalicylic Acid Empirin products Triaminicin Acetilsalicylic Acid Excedrin products Trilisate Alka-Seltzer products Equagesic Vanquish Anacin products Fiorinal products Wesprin Arthritis foundation products Goody's HA powder Zorprin

Arthritis pain formula Lanorinal
Aspirin (ASA) Magnesium Salicylate

Ascriptin products
Aspergum
Meprobamate
Azulfidine products
BC powder or tablets
Bayer products
Bismatrol products
Midol products
Meprobamate
Mesalamine
Methocarbamol
Momentum
Mono-Gesic

Butalbital Compound Nighttime effervescent cold

Bufferin products Norgesic products

Cheracol Oxycodone
Coricidin Pepto-Bismol
Darvon Percodan products
Disalcid Salicylate products

Doan's products Sine-off
Dristan Sinutab

Easprin Soma compound

Nonsteroidal anti-inflammatory medications to avoid

Advil productsIbuprofenPonstelAleveIndocin productsRelafenAnaprox productsIndomethacin productsTordalAnsaidMeclomenTrilisateBextraMidol productsVoltaren

Cataflam Motrin products
Celebrex Nalfon products
Clinoril Naprelan Tablets

Daypro Naprosyn Dolobid Nuprin

Feldene Orudis products

Fenoprofen Oruvail

Other medications to avoid

AccutrimHeparinPlavixAggrenoxHydrocortisonePletalAgrylinLovenoxTiclidCoumadinMiradonWarfarin

Dipyridamole Persantin

WHAT TO EXPECT AT LAKEWALK SURGERY CENTER

Going to the operating room is not a normal experience for most of us. Your surgeon and all the staff caring for you recognize the anxiety with which most patients approach this step in the process of achieving their goals. A description of the surgery experience will help you feel more comfortable.

- When you arrive at Lakewalk Surgery Center you will be escorted to a private room. You will be asked to change into a gown and robe and a nurse will do a general assessment (blood pressure, pulse, etc.). An IV (intravenous line) will be started in your hand or forearm. Your surgeon and a member of the anesthesia staff will meet with you before you enter the operating suite. This is the time for final surgical planning; for certain procedures the surgeon may draw on your skin to aid him later during the procedure. There will be time for last minute questions.
- Once you enter the operating room, the staff will do everything they can to make you
 feel secure. Monitoring devices will be connected to you to ensure your safety during
 the procedure. Medicines that will make you drowsy will be administered through
 your IV.
- When your surgery has been completed and your dressings are in place, you will return to a private room for recovery. During this period, a registered nurse will take care of you and monitor you until you are ready to leave the surgery center. All the nurses at Lakewalk Surgery Center are certified for advanced cardiac life support. The surgery center is equipped just like a hospital, and is one reason Lakewalk Surgery Center is fully accredited.
- Your stay in the recovery area will vary depending on the type of surgery and length of anesthesia. Family or personal friends may be with you in the recovery room. The nurse can contact significant others when you arrive in recovery or when you are ready to be discharged. Even though you will be awake during this time, it is not unusual to not remember much about your recovery after surgery. This is related to the effects of the medications used during anesthesia.
- You can be assured that the staff at Lakewalk Surgery Center will do everything
 possible to make your surgical experience safe, comfortable, and confidential.
- You must arrange for someone to bring you to and drive you home from the surgery center. Under no conditions will you be allowed to drive or take a taxi after surgery. It is also important that you have a family member or friend remain with you the first 24 hours after surgery while the effects of anesthesia wear off.

GENERAL ANESTHESIA INFORMATION

- When general anesthesia is used, you will be sound asleep and under the care of the anesthesia staff throughout the operation. Lakewalk Surgery Center operating rooms have been designed to be spacious and comfortable. Once you are lying on the operating table, you will be connected to several monitors. After you have breathed pure oxygen for a few minutes, you will be given a sedative to help you fall asleep. You will breathe an anesthetic gas and be given medications through your IV to keep you asleep and pain free. The anesthesia staff will monitor your medical condition and assist your breathing throughout the procedure.
- The anesthesiologist or CRN-A (certified registered nurse anesthetist) spends all their time during the procedure ensuring your safety. Extremely sensitive monitors are used during surgery and have greatly reduced the risks of anesthesia. A tiny change in the oxygen level in your blood, the amount of carbon dioxide you breathe out, the percentage of anesthetic gas being administrated, your heart rate, or your blood pressure are reported and treated immediately.
 - Today's anesthesia monitoring equipment is much safer than in the past. The anesthesia and monitoring equipment is routinely maintained and is the same quality as the equipment in any major hospital.
- Many precautions are taken before and during your surgery to prevent side effects from anesthesia. Minor side effects can include dry throat, soreness of the jaw, nausea, vomiting, or memory lapse. Significant risks are rare especially for patients having elective surgery and who have good general health.

SURGICAL RISKS

We want you to fully understand the risks involved in surgery so you can make an informed decision. Although complications are infrequent, all operations have some degree of risk. We will use our expertise and knowledge to avoid complications in so far as we are able. If a complication does occur, we will use those same skills to solve the problem quickly. The importance of having a highly qualified medical team and the use of a certified facility cannot be overestimated. In general, the least serious problems occur more often, and the more serious problems occur rarely. Most complications involve a lengthened recovery period rather than any permanent effect on your result.

NORMAL SYMPTOMS

- SWELLING AND BRUISING: Moderate swelling and bruising are normal after any surgery. Severe swelling and bruising may be a symptom of persistent bleeding or development of an infection.
- DISCOMFORT OR PAIN: Mild to moderate discomfort or pain is normal after any surgery. If pain becomes severe and is not relieved by pain medication, you should call our office.
- CRUSTING OR SCABBING: You may develop some crusting or scabbing along the incision line. You may apply a small amount of antibiotic ointment on these areas until they are healed.
- ITCHING: Itching and occasional shooting electrical sensations often occur as the skin and nerve endings heal. Ice, skin moisturizers, and massage are sometimes helpful. These symptoms are common.
- REDNESS OF SCARS: All new scars are red, dark pink, or purple. Scars on the
 breasts or body may take a year or longer to fade and become flesh colored. All
 wounds take at least one year to fully mature. You will have scars after an
 operation. The final look of the scar(s) CANNOT be predicted. Everyone heals
 differently. The scar is permanent.

COMMON RISKS

• HEMATOMA: Small collections of blood under the skin are usually allowed to absorb spontaneously. Larger hematomas may require aspiration, drainage, or even surgical removal to achieve the best result.

- INFLAMMATION AND INFECTION: A superficial infection may require antibiotic ointment. Deeper infections are treated with oral antibiotics. Development of an abscess usually requires drainage.
- THICK, WIDE, OR DEPRESSED SCARS: Abnormal scars may occur even though we use the most modern plastic surgery techniques. Placement of silicone sheeting on the scars, massage, injection of steroids into the scars, laser treatment, or further surgery to correct the scars may be occasionally necessary. Most scars improve significantly with time. Areas of the body scar differently and people form scars differently depending on ethnicity, skin color and type, and other factors that affect scar development. Your own history of scarring should give you some indication of what you can expect, although even this can change with time.
- WOUND SEPARATION OR DELAYED HEALING: This can be a common occurrence. Any incision, during the healing phase, may separate or heal unusually slow for several reasons. These include inflammation, infection, wound tension, decreased circulation, smoking, or excess external pressure. If delayed healing occurs, the outcome is usually not significantly affected. Occasionally revision of a widened scar may be indicated.
- SENSITIVITY OR ALLERGY TO DRESSINGS OR TAPE: Occasionally, allergic reactions or sensitivity may occur from soap, ointment, tape, or sutures used during or after surgery. Such problems are unusual and are typically mild and easily treated. In extremely rare circumstances, an allergic reaction can be severe and require aggressive treatment or even hospitalization.
- INCREASED RISKS FOR SMOKERS: Smokers have a greater chance of skin loss and poor healing because of decreased skin circulation. We strongly recommend that you discontinue smoking and use the of all nicotine products at least one month before your surgery.
- INJURY TO DEEPER STRUCTURES: Blood vessels, nerves and muscles may be injured during surgery. The incidence of such injuries is rare.

RARE COMPLICATIONS

- If they are severe, any of the problems mentioned under Common Risks may significantly delay healing or necessitate further surgical procedures.
- Medical complications such a pulmonary embolism, severe allergic reaction to
 medications, cardiac arrhythmias, heart attack, and hyperthermia are rare but serious and
 life-threatening problems. <u>Informing us of all pertinent medical data before surgery is
 extremely important</u>; failing to do so may cause serious problems for you and for the
 medical team during surgery.

SURGICAL RISKS - ABDOMINOPLASTY

- INCISIONS AND SCARS: After a full abdominoplasty, you will have a long scar above your pubic hairline extending towards the hips and possibly a shorter vertical scar just above the pubic hairline. You will also have a scar around the belly button. After a mini abdominoplasty, the horizontal scar above your pubic hairline will be shorter and you will not have a scar around your belly button. Redness and some widening of the scars will likely occur during the healing process. Although scars will be permanently visible, they will soften and fade with time.
- FLUID ACCUMULATION: Drains are used under the abdominal skin to prevent fluid accumulation. Fluid can collect under the abdominal skin after the drains have been removed. If this occurs, aspiration of the fluid with a needle is performed. If this is unsuccessful, additional surgery may be needed.
- UNEVEN SKIN CONTOURS: Following abdominoplasty, the skin contour may be irregular, you may feel lumps and ridges in the tissues. As healing progresses, most of those irregularities improve dramatically. Changes in contour can take up to a year or more to completely improve.
- ASYMMETRY: Minor asymmetry of an abdominoplasty scar can occur, as
 healing is not always even from side to side. The mild asymmetry is usually not
 cosmetically significant. If it is significant, surgical revision of the scars may be
 considered
- BELLY BUTTON: The belly button may be slightly off center, have an irregular shape, or suffer loss of skin from poor circulation.
- LOSS OF SENSATION: Patients commonly experience areas of partial or complete numbness of the abdominal skin. Few experience permanent loss of feeling but it may take several months to years for normal sensation to return.
- WOUND HEALING AND TISSUE LOSS: Delayed healing, poor scar formation, loss of skin or fat can occur because of infection, bleeding under the skin, or poor circulation. Small areas of skin loss usually occur along an incision line and involve little more than daily dressing changes and a longer healing period. In rare cases, additional surgery may be required if a large area of skin is affected. Smoking greatly increases the risk of problems resulting from poor circulation.
- DOG EARS: Occasionally a bulge of tissue know as a dog ear may occur at the end of the incision. If a small dog ear appears, it will typically flatten or disappear with time. If it remains visible, liposuction under the area or extension of the incision can usually solve or reduce the problem.

• FAT EMBOLI AND BLOOD CLOTS: These are rare problems that can occur with any surgery. Shortened operating time, postoperative leg movements, and walking soon after surgery help avoid these problems. Although fat emboli and blood clots can be life threatening, they usually resolve completely with hospitalization and subsequent care.

ALTERNATIVES:

• Abdominoplasty is an elective procedure. Alternatives to abdominoplasty include not having surgery, liposuction, weight-loss, and exercise.

MEDICATIONS AFTER ABDOMINOPLASTY

You will be given prescription(s) the day of your surgery. It is important that you use the medications as directed unless you experience abnormal symptoms that might be related to medication use. Symptoms such as itching, development of a rash, wheezing, and tightness in the throat could be an allergic reaction. Should these occur, discontinue all medications, and call the office for instructions.

INSTRUCTIONS

- PAIN: You will be given a handwritten prescription for pain medication after your surgery. Take the pain medication only as prescribed. We require a minimum of a 24-hour notice if you are requesting a refill of the narcotic. Contact your pharmacy for a refill. There will be no medications prescribed after hours, on weekends, or on holidays. Contact your physician before you start taking aspirin or ibuprofen.
- NAUSEA: Scopolamine (Transderm Scope). A patch containing a medication to reduce nausea may be placed behind your ear after your surgery. You may experience mild blurred vision and dilation of the pupil on the side of your head that the patch was placed. This will resolve after the patch is removed. You should remove the patch 24 hours after surgery. Discard the patch and wash your hands thoroughly to avoid contact of the medication with your eyes. If you have trouble with nausea, please call our office for advice.

POSTOPERATIVE INSTRUCTIONS

- If you have bleeding, pain (not controlled by your medication), or swelling (increasing or expanding), <u>call our office</u> at (218) 724-7363, day or night, or go to the Emergency Room.
- You must have a responsible adult stay with you during the first 24 hours after surgery.
- DRESSINGS: Keep your dressings as clean and dry as possible. <u>DO NOT</u> REMOVE THEM UNLESS INSTRUCTED TO DO SO.
- ACTIVITY: TAKE IT EASY during the first week after surgery. You may perform
 activities of daily living but no matter how good you feel, do not clean the house, go
 shopping, etc. Light activity such as walking is encouraged but too much activity may
 cause bleeding and/or more swelling. <u>DO NOT LIFT</u>, PUSH OR PULL MORE THAN
 10 LBS.
- COLD COMPRESSES: Use of cold compresses after surgery will help to reduce swelling, bruising, and pain. Apply cold gel packs, frozen peas, or crushed ice cubes in a zip-lock bag over the surgical area for a period of 20 minutes at regular intervals during the first 24 48 hours after surgery. This should help, not hurt. If the ice feels too uncomfortable, don't use it as often.
- DIET: It is not unusual to experience mild nausea after anesthesia. When you begin eating, start with liquids and bland foods. If those are well tolerated, progress to a regular diet. To avoid exaggerating nausea, take your pain medication with food.
- DON'T SMOKE OR USE NICOTINE PRODUCTS: Smoking reduces the flow of blood through the small vessels in your skin. This can affect wound healing. It is important that you do not smoke until released to do so by your physician.
- ALCOHOL: Alcohol dilates the blood vessels and could increase postoperative bleeding.
 Please do not drink until you have stopped taking the prescription pain pills, as the combination of pain pills and alcohol can be dangerous.
- DRIVING: Do not drive for at least 24 hours after general anesthesia, IV sedation, or while taking prescription pain pills. You may feel normal and alert, but your judgment and reactions may be affected by the medications.
- POSTOPERATIVE APPOINTMENTS: It is important that you follow the schedule of appointments we establish after surgery.
- FEVER: Measured fever of 101.5 (oral temperature) CALL THE OFFICE at (218)724-7363.

POSTOPERATIVE INSTRUCTIONS – ABDOMINOPLASTY

- POSITION: Because abdominoplasty involves removal of extra abdominal skin and typically tightening of the abdominal wall, you will experience some difficulty standing up straight for the first few weeks. The tightness will gradually disappear as you heal and use your muscles for daily activities. Please do not attempt to stretch or pull the abdomen straight during the first 2-3 weeks. During this period, you may find it more comfortable to place a pillow or two under your knees and head when in bed. Avoid sitting up from a laying position. Instead, hold a pillow in front of your abdomen, and roll to the side of the bed or couch, place your feet on the floor and rise from the side. Resting or sleeping in a recliner is often the most comfortable. It is recommended that every few hours you change your position and walk around the house to reduce that chance of blood clots.
- DRESSINGS: Do not remove the gauze dressings that were placed over your incision for 48 hours. After this, replace the gauze dressings once each day. Place a gauze over the incisions and secure with tape. Place one folded 4x4 dressing over and one under the drain site and secure with tape. Keep the incisions covered until directed otherwise.
- BINDER: After your surgery, an elastic binder may be placed around your abdomen to provide some gentle pressure, give you stability, and reduce swelling. If it feels too tight or causes pain, loosen or remove it. We do not want the binder to interfere with circulation to the skin. If your surgeon has chosen to use a binder, we recommend that you wear it 24/7 for 2 weeks. You may remove it temporarily for laundering and showering. Some patients feel more comfortable when they are wearing a compressive garment. You may continue to wear the binder or another type of compressive garment during the day for an additional 2-4 weeks if you would like.
- DRAINS: Two drains will be placed into the surgical area at the time of the surgery.
 One will be brought out through the end of the incision on each side of the abdomen.
 These drains evacuate the fluid that accumulates after surgery and enable you to heal faster. They will be removed when the drainage has significantly decreased or stopped. Please refer to the surgical drain care instructions for more information.
- SHOWERING: You may shower 48 hours after surgery. You may find it helpful to thread a shoelace or string through the retention strap of the drain and wear it around your neck like a necklace. Do this only when you are in the shower. After your shower, pat the abdominal incision dry. DO NOT RUB. If you are weak or unstable, you might want to sit on a stool in the shower of have someone nearby in case you need help.

- ACTIVITY: You can expect some discomfort after abdominoplasty for 2 weeks or longer. You should not resume sports or heavy exercise for at least 6 weeks. After the first 2 weeks, you may resume moderate walks as tolerable. Too much initial activity can prolong swelling and healing. You should avoid lifting more than 10 pounds for the first 3 weeks. No heavy lifting for up to 11-12 weeks. If your job keeps you sedentary, you may plan to return to work after 10-14 days, with the understanding that you will still have some discomfort with motion.
- SUTURES: All the sutures are placed beneath the skin and will dissolve over time. Steri-Strips may have been placed over the incision lines. These will gradually loosen and come off the skin. After 2 weeks, you may gently remove any remaining Steri-Strips.
- SCAR MANAGEMENT: Scars take at least one year to heal completely. During this time, you must protect them from the sun. Always wear a sunscreen with a SPF of at least 30 when in the sunshine or a tanning bed. Most scars heal well without intervention; gentle massage of the scar tissue on a regular basis may help soften the scar more quickly.

AS YOU HEAL

FAMILY & FRIENDS

- Support from family and friends is helpful, but because they may not understand what
 constitutes a normal postoperative course, their comments may unintentionally create
 emotional turmoil for you. We will tell you honestly how you are doing and what we
 expect your result to be. Please trust in our knowledge and experience when we
 discuss your progress with you.
- After having cosmetic or reconstructive surgery, your friends may be reluctant to bring up and discuss what they believe is a private matter. Patients occasionally feel upset that "no one noticed" or "said anything." If you feel comfortable discussing your surgical experience, do so openly. When people ask how you are, respond by saying, "I'm recovering from surgery and I'm doing really well." This lets people know that they may talk freely with you. Often when patients are open, they find that their friends and acquaintances are interested in discussing the subject.

DEPRESSION

 Quite frequently patients experience a brief period of "let down" or depression after surgery. Some may subconsciously have expected to feel and look better "instantly" even though they rationally understand that this will not be the case. Patients commonly question their decision to have surgery during the first few days after surgery. As healing occurs, these thoughts usually disappear. If you feel depressed, understanding that this is a normal phase of the healing process may help you to cope with these emotions.

HEALING

- The capacity and speed of healing varies from person to person. Several factors such as your genetic background, and your overall state of health and lifestyle (exercise, diet, smoking, drinking, etc.) can affect how you heal. Every patient heals at their own rate.
- Another major factor while healing is whether you follow the postoperative instructions
 that are given to you. Such guidelines are designed to promote the healing process and
 prevent the occurrence of anything that may interfere with recovery. It is important you
 recognize that you are a partner in this process and have a responsibility to follow
 instructions carefully.
- Unexpected occurrences are infrequent. If, however, you experience a setback, we will do everything possible to facilitate your healing. Should an unexpected event occur, it is in your best interest to ally yourself with us. We will support you through any difficulties and assist you in reaching your goal.