



# CANADIAN PLASTIC SURGERY CENTRE

## **Informed Consent** **Capsulectomy with Breast Implant Replacement Using** **Saline-Filled Implants**



AMERICAN SOCIETY OF  
PLASTIC SURGEONS®

## **INSTRUCTIONS**

This is an informed consent document that has been prepared to help inform you about capsulectomy and breast implant replacement using saline-filled implants, its risks, as well as alternative treatment(s).

It is important that you read this information carefully and completely. Please initial each page, indicating that you have read the page, and sign the consent for surgery as proposed by your plastic surgeon and agreed upon by you.

## **GENERAL INFORMATION**

Capsulectomy is a surgical operation performed to treat scarring that occurs around breast implants or to revise the shape of the pocket where the implant is placed. This usually involves surgical cutting and removal of scar tissue that forms around a breast implant, and the placement of a new breast implant.

It is normal for scar tissue to form internally around a breast implant. In some patients, this scar tissue may tighten and make the breast round, firm, and possibly painful. Excessive firmness of the breasts can occur soon after the original surgery or years later. The causes of capsular contracture are not fully understood. The incidence of symptomatic capsular contracture can be expected to increase over time. Capsular contracture may occur on one side, both sides, or not at all. Calcification can occur within the scar tissue that surrounds breast implants. Treatment for capsular contracture may require surgery, removal of the capsule layer, implant replacement, or implant removal. Patients may elect to increase or decrease the size of their breast implants.

Individuals with old, damaged, or broken implants (either saline or silicone gel-filled) may consider capsulectomy surgery and breast implant exchange to maintain the long-term results from their original surgery, whether for cosmetic or reconstructive purposes. You may be advised by your surgeon to consider replacing your breast implants with new ones, irrespective of how long you have had them. In some situations, you may be advised to consider new breast implants with a textured outer surface or to consider a different type of implants. Patients undergoing capsulectomy surgery and breast implant exchange must consider the possibility of future revisionary surgery. Breast implants do not have an indefinite lifespan and will probably require surgery for removal and/or replacement.

Depending on the extent of the scarring problem, it may be necessary to place the implant in a different location or partially underneath the pectoralis muscle on the chest. Alternatively, it may be placed in front of the pectoralis muscle if the original placement was behind the muscle, either completely or partially, known as a “dual plane.” Incisions for the capsulectomy procedure may be placed in locations that are different from those used for the original surgery. If the breasts are not the same size or shape before surgery, it is unlikely that they will be completely symmetrical afterward. Conditions that involve sagging of the breast or diminished skin tone (stretch marks) may require additional surgical procedures (breast lift/mastopexy) to reposition the nipple and areola upward and to remove loose skin. Additional procedures to internally tighten or reshape the implant pocket may be needed to reposition implants.

Patients who are considering secondary surgery to revise or maintain their results from breast implant surgery must know that additional surgery may not correct or improve their results.

## **SALINE-FILLED BREAST IMPLANTS**

Saline-filled breast implant devices have been approved by the United States Food and Drug Administration (FDA) for use in breast augmentation and reconstruction. Saline-filled breast implants can be used for revision of procedures in patients who have previously undergone breast augmentation or reconstruction with silicone gel or saline-filled breast implants.

Breast implant surgery is contraindicated in women who have untreated breast cancer or premalignant breast disorders, have active infection anywhere in the body, are currently pregnant or nursing, or have open wounds anywhere on their body. Individuals who have a weakened immune system (currently receiving chemotherapy or drugs to suppress the immune system), conditions that interfere with blood clotting or wound healing, or reduced blood supply to the breast tissue from prior surgery or radiation therapy treatments may be at greater risk for complications and poor surgical outcomes. According to the FDA, a woman should be at least 18 years old for cosmetic breast augmentation.

Breast implants are manufactured in a variety of shapes, sizes, and surface textures. The method of implant selection and size, along with the surgical approach for inserting and positioning breast implants, will depend on your preferences, your anatomy, and your surgeon's recommendation. The shape and size of the breasts prior to surgery will influence both the recommended treatment and the final results. Some degree of breast asymmetry is normal and may occur after breast surgery in any patient. If the breasts are not the same size or shape before surgery, it is unlikely that they will be completely symmetrical afterward.

Patients undergoing surgery that involves breast implants must consider the following:

- Breast augmentation or reconstruction with saline-filled implants may not be a one-time surgery.
- Breast implants of any type are not considered lifetime devices. They cannot be expected to last forever. You will likely require future surgery for implant replacement or removal.
- Changes that occur to the breasts following augmentation or reconstruction with implants are not reversible. There may be an unacceptable appearance to the breast if you later choose to have breast implants removed.
- Large volume primary augmentation, reconstruction, or revision with larger sized implants (350 cc) may increase the risk of complications such as implant extrusion, hematoma, infection, palpable implant folds, and visible skin wrinkling, which require surgical intervention to correct. The correction of these complications may leave additional scars and other permanent changes.

### **ALTERNATIVE TREATMENTS**

Capsulectomy with implant replacement using saline-filled implants is an elective surgical operation. Alternative treatments include not undergoing the surgical procedure, using silicone gel-filled breast implants, or transferring other body tissues to rebuild breast size. Implant removal without replacement is also a surgical option if you elect to abandon the use of breast implants. Risks and potential complications are also associated with alternative surgical forms of treatment.

### **INHERENT RISKS OF CAPSULECTOMY WITH IMPLANT REPLACEMENT USING SALINE-FILLED IMPLANTS**

Every surgical procedure involves a certain amount of risk and it is important that you understand these risks and the possible complications associated with them. In addition, every procedure has limitations. Additional information concerning breast implants may be obtained from the FDA, package-insert sheets supplied by the implant manufacturer, or other information pamphlets required by individual state laws.

An individual's choice to undergo a surgical procedure is based on the comparison of the risk to potential benefit. Although the majority of patients do not experience these complications, you should discuss each of them with your plastic surgeon to make sure you understand all possible consequences of breast augmentation revision. Problems associated with breast implants can be inherent to this type of implanted medical device or relate to complications of a surgical procedure. Additional advisory information regarding this subject should be reviewed by patients considering surgery that involves breast implants.

While every patient experiences her own individual risks and benefits following breast implant surgery, clinical data suggests that most women will be satisfied with the outcome of breast implant surgery despite the occurrence of problems inherent with the surgery.

### **SPECIFIC RISKS OF CAPSULECTOMY WITH IMPLANT REPLACEMENT USING SALINE-FILLED IMPLANTS**

#### **Implants:**

Breast implants, like other medical devices, can fail. When a saline-filled implant ruptures, the saline material is absorbed by the body, but the shell material remains. Rupture can occur because of an injury, from no apparent cause (silent rupture), or during

mammography. It is possible to damage an implant at the time of surgery. Damaged or broken implants cannot be repaired. Ruptured or damaged implants require replacement or removal. Breast implants can wear out; they are not guaranteed or expected to last a lifetime. Additional or unplanned surgery may be required at any time after implant placement and for any of a number of reasons to replace one or both implants. A magnetic resonance imaging (MRI) study may be necessary to evaluate the possibility of implant rupture or deflation, yet may not be 100% accurate in diagnosing implant integrity. Saline-filled breast implants may not have the same contour or feel as silicone-filled breast implants. The shape of your breasts after surgery depends on many factors such as your skin thickness, placement of the implants, and surgical technique. You should discuss with your surgeon the possibility of a different and less than desirable contour or shape as well as feel of your result.

### **Capsular Contracture:**

Scar tissue, which forms internally around the breast implant, can tighten and make the breast round, firm, and possibly painful. Excessive firmness of the breasts can occur soon after surgery or years later. The occurrence of symptomatic capsular contracture is not predictable. The incidence of symptomatic capsular contracture can be expected to increase over time. Capsular contracture may occur on one side, both sides, or not at all. It is more common with implant placement in front of the chest muscle layer. Treatment for capsular contracture may require surgery, implant replacement, or implant removal. Capsular contracture may reoccur after surgical procedures to treat it. It occurs more often in revision augmentation than in primary augmentation.

### **Implant Extrusion/Tissue Necrosis:**

Lack of adequate tissue coverage or infection may result in exposure and extrusion of the implant through the skin. Tissue breakdown (necrosis) has been reported with the use of steroid drugs, after chemotherapy/radiation to breast tissue, due to smoking, microwave diathermy, and excessive heat or cold therapy. In some cases, incision sites fail to heal normally. Atrophy of breast tissue may occur. An implant may become visible at the surface of the breast as a result of the device pushing through layers of skin. If tissue breakdown occurs and the implant becomes exposed, implant removal may be necessary. Permanent scar deformity may occur.

### **Skin Wrinkling and Rippling:**

Visible and palpable wrinkling of implants and breast skin can occur. Some wrinkling is normal and expected with saline-filled breast implants. This may be more pronounced in patients who have saline-filled implants with textured surfaces or thin breast tissue. It may be possible to feel the implant fill valve. Some patients may find palpable valve and wrinkles cosmetically undesirable. Palpable valve, wrinkling, and/or folds may be confused with palpable tumors and questionable cases must be investigated.

### **Calcification:**

Calcium deposits can form in the scar tissue surrounding the implant, cause pain or firmness, and be visible on mammography. These deposits must be identified as different from calcium deposits that are a sign of breast cancer. If this occurs, additional surgery may be necessary to remove and examine calcifications.

### **Chest Wall Irregularities:**

Chest wall irregularities have been reported secondary to the use of tissue expanders and breast implants. Residual skin irregularities at the ends of the incisions or “dog ears” are always a possibility when there is excessive redundant skin. This may improve with time or it can be surgically corrected.

### **Implant Displacement and Tissue Stretching:**

Displacement, rotation, or migration of a breast implant may occur from its initial placement and can be accompanied by discomfort and/or distortion in breast shape (visible rippling of the skin). Additional surgery may be necessary to attempt to correct this problem. It may not be possible to resolve this problem once it has occurred.

**Surface Contamination of Implants:**

Skin oil, lint from surgical drapes, or talc may become deposited on the surface of the implant at the time of insertion. The consequences of this are unknown.

**Unusual Activities and Occupations:**

Activities and occupations that have the potential for trauma to the breast could potentially break or damage breast implants or cause bleeding/seroma.

**Change in Nipple and Skin Sensation:**

You may experience a diminished (or loss of) sensitivity of the nipples and the skin of your breast. After several months, most patients have normal sensation. Partial or permanent loss of nipple and skin sensation or change in nipple erectile function may occur occasionally. Changes in sensation may affect sexual response or the ability to breastfeed a baby.

**Use of Acellular Dermal Matrix:**

In order to place the implant in the right position and maintain that position, your plastic surgeon may choose to use biological materials. Most commonly, these materials are derived from human cadaver skin or pig skin. These materials are generally processed and do not carry any viable cells. You should ask your surgeon about these materials. They assist in contouring the pocket around the implant, provide additional cover to an implant, and are populated with your cells to become similar to your own tissue. These acellular products may produce fluid and require drains for a prolonged period.

**Anaplastic Large Cell Lymphoma (ALCL):**

Breast implant-associated anaplastic large cell lymphoma (BIA-ALCL) is a very rare type of lymphoma that can develop in the scar capsule near saline or silicone breast implants. This very rare disease is currently being investigated as to its relationship with breast implants. The family of ALCL is an extremely rare cancer of the immune system, which can occur anywhere in the body. Based on adverse event reports, the United States Food and Drug Administration (FDA) estimates the total number of US cases of BIA-ALCL to be up to 250. A predominance of BIA-ALCL patients have been noted to have a history of a textured-surface devices. An exact single-number estimate of the risk for both textured and non-textured implants is not possible with the currently available data. The lifetime risk of BIA-ALCL has been estimated to be between 1:1,000 and 1: 30,000 in women with textured breast implants, and BIA-ALCL risk is currently under investigation. BIA-ALCL usually involves a swelling of the breast, on average 3 to 14 years after the operation to insert the breast implant. Most cases were cured by removal of the implant and capsule surrounding the implant; however, rare cases have required chemotherapy and/or radiation therapy for treatment.

Patients with breast implants should be followed by a surgeon over time and seek professional care for implant-related symptoms such as pain, lumps, swelling, or asymmetry. Patients should monitor their breast implants with routine breast self-exams and follow standard medical recommendations for imaging (e.g., mammography, ultrasound, MRI). Abnormal screening results or implant-related symptoms may result in additional costs and expenses for tests and/or procedures to properly diagnose and treat your condition. Tests and procedures could include, but may not be limited to, obtaining breast fluid or tissue for pathology and laboratory evaluation, surgery to remove the scar capsule around the breast implant, implant removal, or implant replacement.

**Breast Cancer:**

Current medical information does not demonstrate an increased risk of breast cancer in women who have breast implant surgery for either cosmetic or reconstructive purposes. A woman with a personal history or family history of breast cancer may be at a higher risk of developing breast cancer than a woman with no family history of this disease. It is recommended that all women perform periodic self-examination of their breasts, have mammography according to American Cancer Society guidelines, and seek professional care if a breast lump is detected. If suspicious tissue is identified prior to or during breast surgery, additional tests and therapy with corresponding expenses may be warranted.

**GENERAL RISKS OF SURGERY**

**Healing Issues:**

Certain medical conditions, dietary supplements, and medications may delay and interfere with healing. Patients with massive weight loss may have a healing delay that could result in the incisions coming apart, infection, and tissue changes resulting in the need for additional medical care, surgery, and prolonged hospitalizations. Patients with diabetes or those taking medications such as steroids on an extended basis may have prolonged healing issues. Smoking will cause a delay in the healing process, often resulting in the need for additional surgery. There are general risks associated with healing such as swelling, bleeding, possibility of additional surgery, prolonged recovery, color changes, shape changes, infection, not meeting patient goals and expectations, and added expense to the patient. There may also be a longer recovery due to the length of surgery and anesthesia. Patients with significant skin laxity (patients seeking facelifts, breast lifts, abdominoplasty, and body lifts) will continue to have the same lax skin after surgery. The quality or elasticity of skin will not change and recurrence of skin looseness will occur at some time in the future, quicker for some than others. There are nerve endings that may become involved with healing scars from surgery such as suction-assisted lipectomy, abdominoplasty, facelifts, body lifts, and extremity surgery. While there may be no major nerve injury, the small nerve endings during the healing period may become too active and produce a painful or oversensitive area due to the small sensory nerve involved with scar tissue. Often, massage and early nonsurgical intervention resolves this. It is important to discuss postsurgical pain with your surgeon.

### **Bleeding:**

It is possible, though unusual, to experience a bleeding episode during or after surgery. If postoperative bleeding occurs, it may require emergency treatment to drain accumulated blood or you may require a blood transfusion, though such occurrences are rare. The collection of blood that can occur under your skin following surgery is referred to as a hematoma. Increased activity too soon after surgery can lead to increased chance of bleeding and additional surgery. It is important to follow postoperative instructions and limit exercise and strenuous activity for the instructed time. Nonprescription “herbs” and dietary supplements can increase the risk of surgical bleeding. A hematoma can occur at any time, usually in the first three weeks following injury to the operative area. If blood transfusions are necessary to treat blood loss, there is a risk of blood-related infections such as hepatitis and HIV. Your surgeon may provide medications after your surgery to prevent blood clots. Medications that are used to prevent blood clots in veins can produce bleeding and decreased blood platelets.

### **Infection:**

Infection, although uncommon, can occur after surgery. If an infection occurs, additional treatment including antibiotics, hospitalization, or additional surgery may be necessary. It is important to tell your surgeon of any other infections, such as a history of methicillin-resistant *Staphylococcus aureus* (MRSA) infections, an open wound, recent upper respiratory infection/pneumonia, ingrown toenail, insect bite, tooth abscess, or urinary tract infection. Infections in other parts of the body may lead to an infection in the operated area. Postoperative infections often result in more extensive scarring and predispose the patient to revision surgery.

### **Ileus:**

The return of bowel function following surgery is important. An ileus is a disruption in bowel function caused by the failure of [peristalsis](#) or by hypomotility of your bowels/gut resulting in a lack of defecation and possibly repeated vomiting. Anesthetics and medications like pain medications given to you at the time of surgery can contribute to the development of an ileus in the postoperative period. An ileus can result in abdominal distention, vomiting, inability to absorb oral medications, and possibly hospitalization. Repeated vomiting could result in an aspiration pneumonia and respiratory failure. It is essential to have regular bowel function after your surgery.

### **Scarring:**

All surgery leaves scars, some more visible than others. Although good wound healing after a surgical procedure is expected, this surgery will result in long, prominent scars that are permanent. Abnormal scars may occur within the skin and deeper tissues. Scars may be unattractive and of different color than the surrounding skin tone. Scar appearance may also vary within the same scar. Scars may be asymmetrical (appear different on the right and left sides of the body). There is a possibility of visible marks in the skin from sutures. These scars may become raised, red, or discolored in the first few weeks/months, but usually settle down over time. However, some patients are prone to “hypertrophic” or “keloid” scars, which are prominent, raised, red scars that do not settle. Further treatments with medications and/or surgery may be

required.

**Firmness:**

Excessive firmness can occur after surgery due to internal scarring. The occurrence of this is not predictable. Additional treatment including surgery may be necessary.

**Skin Sensitivity:**

Itching, tenderness, or exaggerated responses to hot or cold temperatures may occur after surgery. This usually resolves during healing, but in rare situations, it may be chronic.

**Major Wound Separation:**

Wounds may separate after surgery. If this occurs, additional treatment including surgery may be necessary.

**Sutures:**

Most surgical techniques use deep sutures. You may notice these sutures after your surgery. Sutures may spontaneously poke through the skin, become visible, or produce irritation that requires suture removal.

**Damage to Deeper Structures:**

There is a potential for injury to deeper structures including nerves, blood vessels, lymphatics, muscles, and lungs (pneumothorax) during any surgical procedure. The potential for this to occur varies according to the type of procedure being performed. Injury to deeper structures may be temporary or permanent.

**Fat Necrosis:**

Fatty tissue found deep in the skin might die. This may produce areas of firmness within the skin. Additional surgery to remove areas of fat necrosis may be necessary. There is a possibility of contour irregularities in the skin that may result from fat necrosis.

**Surgical Anesthesia:**

Both local and general anesthesia involve risk. There is a possibility of complications, injury, and even death from all forms of surgical anesthesia or sedation.

**Shock:**

In rare circumstances, surgical procedures can cause severe trauma, particularly when multiple or extensive procedures are performed. Although serious complications are infrequent, infections or excessive fluid loss can lead to severe illness and even death. If surgical shock occurs, hospitalization and additional treatment would be necessary.

**Pain:**

You will experience pain after your surgery. Pain of varying intensity and duration may occur and persist after surgery. If you are a chronic pain patient followed by a pain therapy practitioner, you may be asked to see this practitioner preoperatively to assist you in the management of your pain disorder in the postoperative period. Chronic pain may occur very infrequently from nerves becoming trapped in scar tissue or due to tissue stretching.

There are nerve endings that may become involved with healing scars from surgery. While there may not be a major nerve injury, the small nerve endings during the healing period may become too active and produce a painful or oversensitive area due to the small sensory nerve involved with scar tissue. Often, massage and early nonsurgical intervention resolves this. It is important to discuss postsurgical pain with your surgeon.

**Cardiac and Pulmonary Complications:**

Pulmonary complications may occur secondarily to blood clots (pulmonary emboli), fat deposits (fat emboli), pneumonia, or partial collapse of the lungs after general anesthesia. Pulmonary emboli can be life-threatening or fatal in some circumstances. Inactivity and other conditions may increase the incidence of blood clots traveling to the lungs causing a major blood clot that may result in death. It is important to discuss with your physician any past history of swelling in your legs or blood clots that may contribute to

this condition. Cardiac complications are a risk with any surgery and anesthesia, even in patients without symptoms. If you experience shortness of breath, chest pains, or unusual heartbeats, seek medical attention immediately. If any of these complications occur, you may require hospitalization and additional treatment.

### **Venous Thrombosis (Clot) and Sequelae:**

Thrombosed veins, which resemble cords, occasionally develop in the area of the breast or around IV sites, and usually resolve without medical or surgical treatment. It is important to discuss with your surgeon any birth control pills you are taking. Certain high estrogen pills may increase your risk of thrombosed veins. Personal history of bleeding and clotting problems may also increase your risk of thrombosed veins.

### **Allergic Reactions:**

In rare cases, local allergies to tape, suture material and glues, blood products, topical preparations, or injected agents have been reported. Serious systemic reactions including shock (anaphylaxis) may occur in response to drugs used during surgery and prescription medicines. Allergic reactions may require additional treatment. It is important to notify your physician of any previous allergic reactions.

### **Drug Reactions:**

Unexpected drug allergies, lack of proper response to medication, or illness caused by the prescribed drug are possibilities. It is important for you to inform your physician of any problems you have had with any medication or allergies to medication, prescribed or over the counter, as well as medications you regularly take. Provide your surgeon with a list of medications and supplements you are currently taking.

### **Surgical Wetting Solutions:**

There is a possibility that large volumes of fluid containing dilute local anesthetic drugs and epinephrine that is injected into fatty deposits during surgery may contribute to fluid overload or systemic reaction to these medications. Additional treatment including hospitalization may be necessary.

### **Fat/Air Embolism:**

In rare cases, fat particles or air can enter the vascular system and travel to the heart, lungs, or brain. This can result in significant complications including death.

### **Persistent Swelling (Lymphedema):**

Persistent swelling can occur following surgery.

### **Unsatisfactory Result:**

Although good results are expected, there is no guarantee or warranty, expressed or implied, on the results that may be obtained. The body is not symmetric and almost everyone has some degree of unevenness that may not be recognized in advance. One side of the face may be slightly larger or droopier. The breast and trunk areas exhibit the same possibilities. Many of such issues cannot be fully corrected with surgery. The more realistic your expectations as to results, the better your results will appear to you. Some patients never achieve their desired goals or results, at no fault of the surgeon or surgery. You may be disappointed with the results of surgery. Asymmetry, unanticipated shape and size, loss of function, wound disruption, poor healing, and loss of sensation may occur after surgery. Size may be incorrect. Unsatisfactory surgical scar location or appearance may occur. It may be necessary to perform additional surgery to improve your results. Unsatisfactory results may NOT improve with each additional treatment.

## **ADDITIONAL ADVISORIES**

### **Medications and Herbal Dietary Supplements:**

There are potential adverse reactions that occur as a result of taking over-the-counter, herbal, and/or prescription medications. Aspirin and medications that contain aspirin interfere with forming blood clots, and therefore may contribute to more bleeding issues. If you have a medical condition (such as heart arrhythmia, heart stent, blood vessels with blockages, or blood clots) and are taking medications to thin your blood and prevent clotting such as Plavix®, Coumadin®, Xarelto®, Effient®, or Pradaxa®, you should discuss management of these medications around the time of surgery with your plastic surgeon. Your plastic surgeon may coordinate a plan for these medications with the doctor that prescribed them for your medical condition. If you have been prescribed drugs for a medical condition, do not stop them without

discussing it first with your plastic surgeon. Stopping these medications abruptly may result in a heart attack, stroke, or death. Be sure to check with your physician about any drug interactions that may exist with medications that you are already taking. If you have an adverse reaction, stop the drugs immediately and call your plastic surgeon for further instructions. If the reaction is severe, go immediately to the nearest emergency room.

When taking the prescribed pain medications after surgery, know that they can affect your thought process and coordination. Do not drive, do not operate complex equipment, do not make any important decisions, and do not drink any alcohol while taking these medications. Be sure to take your prescribed medication only as directed.

### **Sun Exposure – Direct or Tanning Salon:**

The effects of the sun are damaging to the skin. Exposing the treated areas to sun may result in increased scarring, color changes, and poor healing. Patients who tan, either outdoors or in a salon, should inform their surgeon and either delay treatment, or avoid tanning until the surgeon says it is safe to resume. The damaging effect of sun exposure occurs even with the use of sunblock or clothing coverage.

### **Travel Plans:**

Any surgery holds the risk of complications that may delay healing and your return to normal life. Please let the surgeon know of any travel plans, important commitments already scheduled or planned, or time demands that are important to you, so that appropriate timing of surgery can occur. There are no guarantees that you will be able to resume all activities in the desired time frame. Allow at least 10-14 days before travelling via air. Medications may be required if you have a long flight/trip to prevent deep vein thrombosis (DVT)/pulmonary embolism (PE) in the immediate postoperative period.

### **Long-Term Results:**

Subsequent alterations in the appearance of your body may occur as a result of aging, sun exposure, weight loss, weight gain, pregnancy, menopause, or other circumstances not related to your surgery.

### **Interference with Sentinel Lymph Node Mapping Procedures:**

Breast surgery procedures that involve cutting through breast tissue, similar to a breast biopsy, can potentially interfere with diagnostic procedures to determine lymph node drainage of breast tissue to stage breast cancer.

### **Body Piercing:**

Individuals who currently wear body-piercing jewelry in the surgical region are advised that an infection could develop from this activity. Body-piercing jewelry should be removed prior to your surgical procedure.

### **Nails:**

To determine your vital status during surgery your anesthesia provider may require access to your finger nails for monitoring. Make sure to have at least two fingernails free of nail polish or acrylic nails on the date of your surgery.

### **Jewelry:**

Jewelry should not be brought with you at the time of your surgical procedure. Items such as earrings, wedding rings, and necklaces should be removed and placed in a safe place.

### **Future Pregnancy and Breastfeeding:**

This surgery is not known to interfere with pregnancy. If you are planning a pregnancy, your breast skin may stretch and offset the results of surgery. You may have more difficulty breastfeeding after this operation.

### **Female Patient Information:**

It is important to inform your plastic surgeon if you use birth control pills or estrogen replacement, or if you suspect you may be pregnant. Many medications including antibiotics may neutralize the preventive effect of birth control pills, allowing for conception and pregnancy.

### **Intimate Relations after Surgery:**

Surgery involves coagulation of blood vessels and increased activity of any kind may open these vessels leading to a bleed or hematoma. Activity that increases your pulse or heart rate may cause additional bruising, swelling, and the need for return to surgery to control bleeding. It is wise to refrain from intimate physical activities until your physician states it is safe.

### **Mental Health Disorders and Elective Surgery:**

It is important that all patients seeking to undergo elective surgery have realistic expectations that focus on improvement rather than perfection. Complications or less than satisfactory results are sometimes unavoidable, may require additional surgery, and are often stressful. Please openly discuss with your surgeon, prior to surgery, any history that you may have of significant emotional depression or mental health disorders. Although many individuals may benefit psychologically from the results of elective surgery, effects on mental health cannot be accurately predicted.

### **ADDITIONAL SURGERY NECESSARY (Reoperations)**

There are many variable conditions that may influence the long-term result of surgery. It is unknown how your tissue may respond or how wound healing will occur after surgery. Secondary surgery may be necessary to perform additional tightening or repositioning of body structures. If complications occur, additional surgery, or other treatments may be necessary. Even though risks and complications occur infrequently, the risks cited are associated with this surgery. Other complications and risks can occur but are less common. The practice of medicine and surgery is not an exact science. Although good results are expected, there is no guarantee or warranty, expressed or implied, on the results that may be obtained. In some situations, it may not be possible to achieve optimal results with a single surgical procedure. You and your surgeon will discuss the options available if additional surgery is advised. There may be additional costs and expenses for such additional procedures, including surgical fees, facility and anesthesia fees, and pathology and lab testing fees.

### **PATIENT COMPLIANCE**

Follow all physician instructions carefully; this is essential for the success of your outcome. It is important that the surgical incisions are not subjected to excessive force, swelling, abrasion, or motion during the time of healing. Personal and vocational activities need to be restricted. Protective dressings and drains should not be removed unless instructed by your plastic surgeon. Successful postoperative function depends on both surgery and subsequent care. Physical activity that increases your pulse or heart rate may cause bruising, swelling, fluid accumulation, and the need for return to surgery. It is important that you participate in follow-up care, return for aftercare, and promote your recovery after surgery.

### **DISCLAIMER**

Informed-consent documents are used to communicate information about the proposed surgical treatment of a disease or condition along with disclosure of risks and alternative forms of treatment(s), including no surgery. The informed-consent process attempts to define principles of risk disclosure that should generally meet the needs of most patients under most circumstances.

However, informed-consent documents should not be considered all-inclusive in defining other methods of care and risks encountered. Your plastic surgeon may provide you with additional or different information, which is based on all the facts in your particular case and the current state of medical knowledge.

Informed-consent documents are not intended to define or serve as the standard of medical care. Standards of medical care are determined on the basis of all of the facts involved in an individual case, and are subject to change as scientific knowledge and technology advance, and as practice patterns evolve.

**It is important that you read the above information carefully and have all of your questions answered before signing the consent on the next page.**

I, \_\_\_\_\_, have discussed with Dr. Quinton Chivers and fully understand and accept the following with regards to my desires for replacement of my breast implant(s) following a capsulectomy.

I acknowledge that I fully understand each item listed below.

I have had an opportunity to have all my questions answered, and I feel informed and accept each risk or tradeoff listed below as indicated by my initial(s) \_\_\_\_\_ beside each item. **(Please place your initials in the blank, and then initial each item below).**

\_\_\_\_\_ As I get older, my breast skin will age, stretch, and become thinner even without an implant. The larger any breast, augmented or not, the worse it will look over time due to skin stretching.

\_\_\_\_\_ Adding any implant to my breast adds weight and will result in the stretching and irreversible thinning of my breast tissues over time.

\_\_\_\_\_ The larger the implant, the greater the amount of breast tissue stretching that will occur.

\_\_\_\_\_ Adding excess weight to the breast almost guarantees that it will look worse over time, with increased stretch and sagging. It is impossible to predict whether or when this will occur in any individual patient.

\_\_\_\_\_ Adding weight to my breast with an implant may cause me to need further surgery in the future, particularly mastopexy (breast lift) with additional visible scars and risks. I will incur additional costs, time off from work, risks, and tradeoffs if additional surgery is necessary.

\_\_\_\_\_ Excessive breast tissue stretch from an implant can make me more likely to have surgical complications with healing problems if the tissues become very thin.

\_\_\_\_\_ As breast tissues thin, I will be able to feel my implant, portions of the implant may be visible through my skin, and visible rippling or wrinkling may occur.

\_\_\_\_\_ If excessive stretching or complications occur (this is unpredictable), it may even become necessary to remove the implants, which may compromise the appearance of my breasts and lead to visible scarring if breast lifting (mastopexy) is necessary following implant removal.

\_\_\_\_\_ When I request implants larger than Dr. Quinton Chivers feels are optimal for my tissues and body proportions, I am overruling Dr. Quinton Chivers's years of experience and judgment, and I accept full responsibility for every possible outcome of my decision, whether that outcome or risk is known or unknown to me and to Dr. Quinton Chivers.

\_\_\_\_\_ I understand and accept all of these risks, limitations, and tradeoffs, and request that Dr. Quinton Chivers proceed with an implant augmentation of my breasts. I have had an opportunity to have all of my questions answered to my satisfaction, and am totally comfortable with my decision.

Signed this \_\_\_\_\_ day of the month of \_\_\_\_\_, 20\_\_\_\_\_ at \_\_\_\_\_ AM/PM.

\_\_\_\_\_  
Patient: (Please print)

\_\_\_\_\_  
Witness: (Please print)

\_\_\_\_\_  
Patient: (Please sign)

\_\_\_\_\_  
Witness: (Please sign)

CONSENT for SURGERY/PROCEDURE or TREATMENT

1. I hereby authorize Dr. Quinton Chivers and such assistants as may be selected to perform **Capsulectomy with Breast Implant Replacement Using Saline-Filled Implants**

I have received the following information sheet: **Capsulectomy with Breast Implant Replacement Using Saline-Filled Implants**

2. I recognize that during the course of the operation and medical treatment or anesthesia, unforeseen conditions may necessitate different procedures than those described above. I therefore authorize the above physician and assistants or designees to perform such other procedures that are necessary and desirable in the exercise of his or her professional judgment. The authority granted under this paragraph shall include all conditions that require treatment and are not known to my physician at the time the procedure is begun.
3. I consent to the administration of such anesthetics considered necessary or advisable. I understand that all forms of anesthesia involve risk and the possibility of complications, injury, and sometimes death.
4. I understand what my surgeon can and cannot do, and understand there are no warranties or guarantees, implied or specific, as to my outcome. I have had the opportunity to explain my goals and I understand which desired outcomes are realistic and which are not. All of my questions have been answered, and I understand the inherent (specific) risks to the procedures I seek, as well as those additional risks and complications, benefits, and alternatives. Understanding all of this, I elect to proceed.
5. I consent to be photographed or televised before, during, and after the operation(s) or procedure(s) to be performed, including appropriate portions of my body, for medical, scientific, or educational purposes, provided my identity is not revealed by the pictures.
6. For purposes of advancing medical education, I consent to the admittance of observers to the operating room.
7. I consent to the disposal of any tissue, medical devices, or body parts that may be removed.
8. I am aware that there are potential significant risks to my health with the utilization of blood products, and I consent to their utilization should they be deemed necessary by my surgeon and/or his/her appointees.
9. I authorize the release of my Ontario Health Insurance Plan number to appropriate agencies for legal reporting and medical device registration, if applicable.
10. I understand that the surgeons' fees are separate from the anesthesia and hospital charges, and the fees are agreeable to me. If a secondary procedure is necessary, further expenditure will be required.
11. I realize that not having the operation is an option. I opt out of having this procedure \_\_\_\_\_.
12. IT HAS BEEN EXPLAINED TO ME IN A WAY THAT I UNDERSTAND:  
a. THE ABOVE TREATMENT OR PROCEDURE TO BE UNDERTAKEN  
b. THERE MAY BE ALTERNATIVE PROCEDURES OR METHODS OF TREATMENT  
c. THERE ARE RISKS TO THE PROCEDURE OR TREATMENT PROPOSED

I CONSENT TO THE TREATMENT OR PROCEDURE AND THE ABOVE LISTED ITEMS (1-12).  
I AM SATISFIED WITH THE EXPLANATION.

\_\_\_\_\_  
Patient or Person Authorized to Sign for Patient

Date/Time \_\_\_\_\_ Witness \_\_\_\_\_