

NovoTTF™-100A System is now



## CONSIDERING OPTUNE

Learn more about  
this treatment option



## Indications For Use

Optune™ is intended as a treatment for adult patients (22 years of age or older) with histologically confirmed glioblastoma multiforme (GBM), following histologically- or radiologically-confirmed recurrence in the supra-tentorial region of the brain after receiving chemotherapy. The device is intended to be used as a monotherapy, and is intended as an alternative to standard medical therapy for GBM after surgical and radiation options have been exhausted.

## Summary of Important Safety Information

### Contraindications

Do not use Optune if you have an active implanted medical device, a skull defect (such as, missing bone with no replacement), a shunt, or bullet fragments. Examples of active electronic devices include deep brain stimulators, spinal cord stimulators, vagus nerve stimulators, pacemakers, defibrillators, and programmable shunts. Use of Optune together with implanted electronic devices has not been tested and may theoretically lead to malfunctioning of the implanted device. Use of Optune together with skull defects, shunts, or bullet fragments has not been tested and may possibly lead to tissue damage or render Optune ineffective.

Do not use Optune if you are known to be sensitive to conductive hydrogels like the gel used on electrocardiogram (ECG) stickers or transcutaneous electrical nerve stimulation (TENS) electrodes. In this case, skin contact with the gel used with Optune may commonly cause increased redness and itching, and rarely may even lead to severe allergic reactions such as shock and respiratory failure.

### Warnings and Precautions

Use Optune only after receiving training from qualified personnel, such as your doctor, a nurse, or other medical personnel who have completed a training course given by the device manufacturer (Novocure).

All servicing procedures must be performed by qualified and trained personnel.

Do not wet the device or transducer arrays.

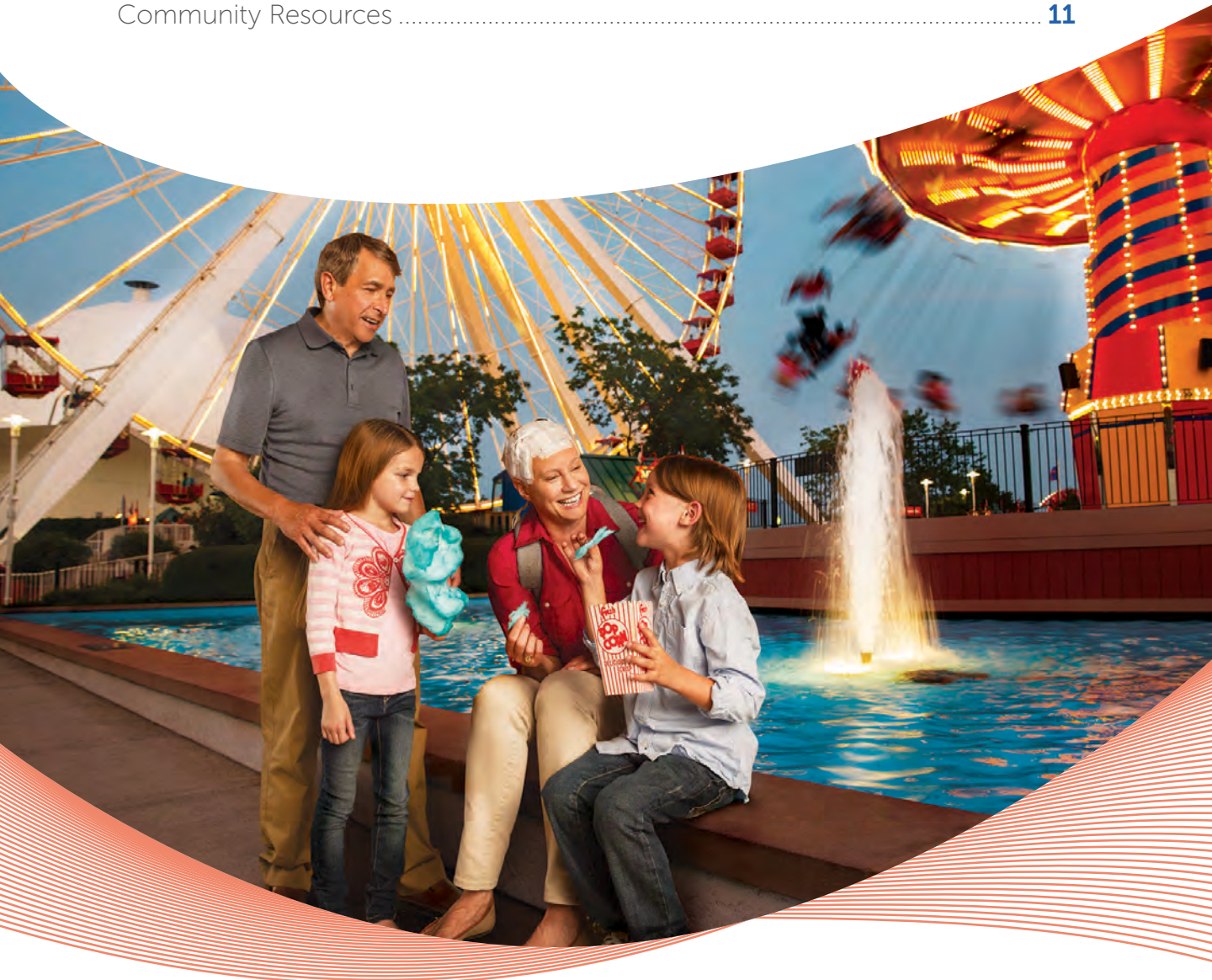
Do not use any parts that do not come with the Optune Treatment Kit, or that were not sent to you by the device manufacturer or given to you by your doctor.

Optune commonly causes skin irritation beneath the transducer arrays and in rare cases can lead to headaches, falls, fatigue, muscle twitching or skin ulcers.

**Please see the Optune Instructions for Use (IFU) for complete information regarding the device's indications, contraindications, warnings and precautions at [Optune.com/Safety](https://www.optune.com/Safety).**

# Table of Contents

|   |           |
|---|-----------|
| Optune™ (formerly NovoTTF™-100A System) ..... | <b>4</b>  |
| Receiving Treatment .....                     | <b>6</b>  |
| Benefits & Risks of Treatment .....           | <b>9</b>  |
| Novocure™ By Your Side .....                  | <b>10</b> |
| Community Resources .....                     | <b>11</b> |



# Optune

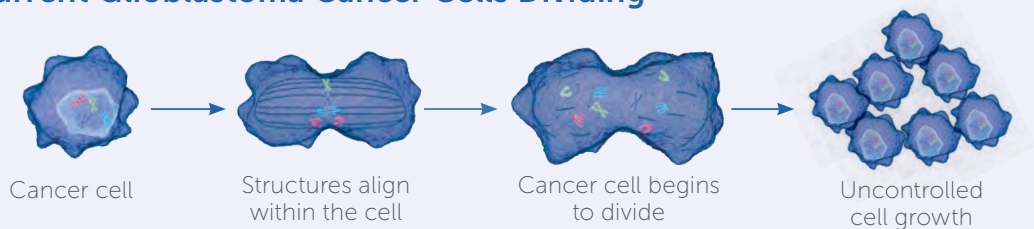
## What is Optune?

- Optune is a novel FDA-approved treatment option for adult patients with recurrent glioblastoma who have exhausted surgery and radiation treatment options
- Optune is intended to be used as a monotherapy

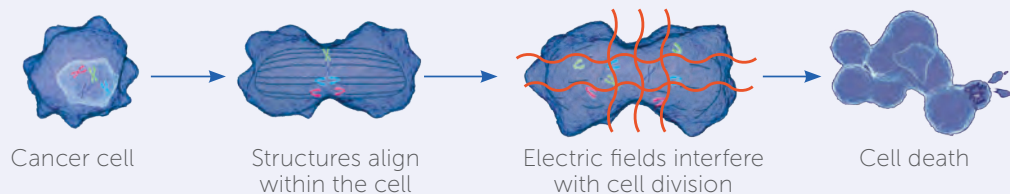
## How does Optune work?

- Optune works by creating alternating, “wave-like” electric fields that travel across the upper part of the brain in different directions to help slow or stop recurrent glioblastoma cancer cells from dividing

### Recurrent Glioblastoma Cancer Cells Dividing



### Recurrent Glioblastoma Cancer Cells With Optune (Intended Result)



## How does Optune target the tumor?

- Optune is a noninvasive regional therapy that targets dividing cancer cells in the brain and generally does not harm healthy cells

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### Optune

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Optune delivers treatment to the region where the tumor is located.

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### Systemic Therapy

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Systemic therapy delivers substances like chemotherapy through the bloodstream, affecting cells all over the body.



While using Optune, you can still participate in your normal daily activities.

# Receiving Treatment

## How is Optune delivered?

- Optune is delivered through 4 adhesive bandages with ceramic discs called “transducer arrays” that are placed directly on the scalp to target the recurrent glioblastoma tumor
- The transducer arrays connect to Optune, a portable medical device that produces alternating electric fields to help slow or stop cancer cells from dividing

## Why do I have to shave my head while on Optune?

- Hair growth prevents good contact with the transducer arrays that deliver the therapy. You will need to shave your head and change the transducer arrays about every 4 to 7 days

## What will I feel when using Optune?

- You may experience a warm feeling on your head when using Optune, which is normal

## How long do I have to wear Optune?

- Optune is designed to be worn continuously throughout the day and night
- Optune should be used for at least 18 hours per day to get the best response from treatment

## What can I do while on therapy?

- Optune is portable, so it allows you to go about your day while receiving treatment

## How will I know if Optune is working?

- You will be monitored throughout your treatment by your health care team with regular examinations and tests like magnetic resonance imaging (MRI) scans to see if your tumor is responding
- Optune records how much time per day therapy is being delivered. A monthly compliance report is provided to your health care team to monitor treatment goals



Therapy is also delivered while you sleep.



Optune does not cause many of the side effects associated with chemotherapy.



# Benefits & Risks of Treatment

## What are the benefits of treatment with Optune?<sup>1</sup>

- **Works as well as chemotherapy.** A large clinical study has shown that Optune is as effective as chemotherapy in treating recurrent glioblastoma
- **Minimal side effects.** Optune delivers treatment to the region where the tumor is located and does not cause many of the side effects of chemotherapy, including infections, nausea, vomiting, diarrhea, and blood toxicities
- **Better quality of life.** Patients using Optune reported a better quality of life with improved cognitive and emotional functioning compared to patients treated with chemotherapy

## What are the risks of treatment with Optune?

- The most common side effect reported with Optune is skin irritation under the transducer arrays. This can be easily treated with topical creams and by slightly shifting the transducer arrays on the scalp
- Headaches, weakness, falls, fatigue, muscle twitching, and skin ulcers are also reported by some patients using Optune and are considered to be related to treatment

Optune may not be appropriate for some patients. Please talk with your health care provider about whether Optune is right for you and other risks associated with treatment.

# Novocure™ By Your Side

## Starting Treatment

- Optune is available by prescription only. Please contact your health care provider to see if Optune is right for you

## Novocure Patient Access and Assistance

- We have a team of professionals standing by to assist and support you with information regarding reimbursement and insurance coverage

## Device Support Specialist

- You will have a dedicated Device Support Specialist (DSS) to help you and your caregiver start and manage your treatment. The DSS will be there for you throughout your treatment to answer your questions and help you incorporate Optune into your life

## Technical Device Support

- The technical support team is available 24 hours a day, 7 days a week to assist you with operation of Optune

For more information about  
Optune, please visit or call:



**Optune.com**



**Novocure at 1-855-281-9301**

# Community Resources

The following organizations are dedicated to helping people with cancer live well. They provide valuable information, support, and resources to help patients and their loved ones cope with the emotional, physical, and financial challenges associated with cancer.

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## **Musella Foundation**

1-888-295-4740

[virtualtrials.com/musella.cfm](http://virtualtrials.com/musella.cfm)

## **The Chris Elliott Fund**

1-800-574-5703

[chriselliottfund.org](http://chriselliottfund.org)

## **American Brain Tumor Association**

1-800-886-ABTA (2282)

[abta.org](http://abta.org)

## **American Cancer Society's "TLC" Web Site**

1-800-850-9445

[tlcdirect.org](http://tlcdirect.org)

## **Look Good, Feel Better— Helping Women With Cancer**

1-800-395-LOOK (5665)

[lookgoodfeelbetter.org](http://lookgoodfeelbetter.org)

## **CancerCare®**

1-800-813-HOPE (4673)

[cancercares.org](http://cancercares.org)

## Key Points

- Optune is a novel FDA-approved treatment option for recurrent glioblastoma
- Optune is a portable device that produces alternating electric fields to help slow or stop recurrent glioblastoma cancer cells from dividing
- Optune is designed to be worn continuously throughout the day
- Optune is as effective as chemotherapy with fewer side effects and a better quality of life<sup>1</sup>
- The most common side effect of Optune is skin irritation under the transducer arrays
- While on therapy, you will have the support of a dedicated Novocure team to help you start and manage your treatment



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**OPTUNE™**

**Reference: 1.** Optune Instructions for Use. Novocure 2014.

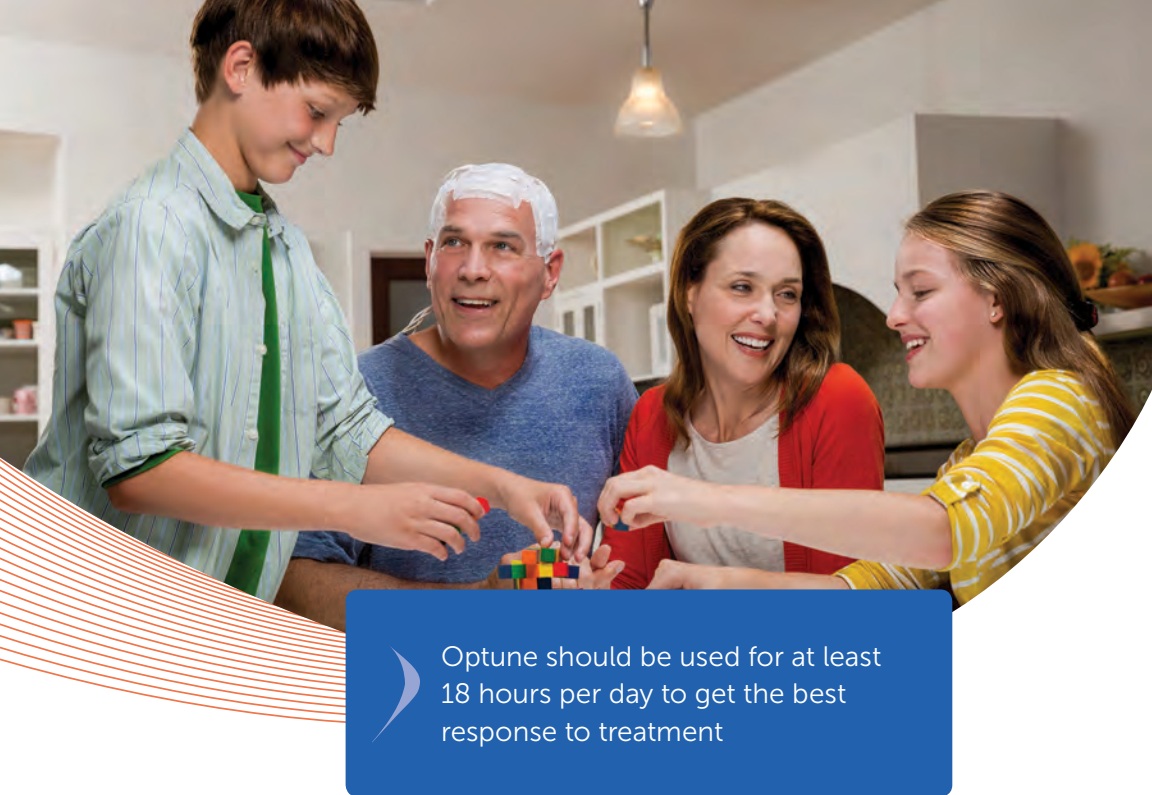


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**A GUIDE TO SCALP CARE  
AND PROPER TRANSDUCER  
ARRAY PLACEMENT**

Helpful tips to maximize  
your use of Optune



Optune should be used for at least 18 hours per day to get the best response to treatment

## The Importance of Maximizing Your Time on Optune

Optune (formerly NovoTTF™-100A System) is a novel treatment option for adult patients with recurrent glioblastoma (GBM) that is as effective as chemotherapy with fewer side effects. Optune offers patients a better quality of life, including improvements in cognitive functioning and emotional well-being, compared to patients receiving chemotherapy.<sup>1</sup>

Optune is designed to be worn continuously throughout the day and night. With Optune, it is important to maximize the amount of time you receive treatment each day. In a large clinical study, patients who received Optune for at least 18 hours a day responded better to treatment.

Because Optune works differently, it does not cause many of the side effects associated with chemotherapy. The most common side effect reported is skin irritation occurring under the transducer array. Skin irritation can often be prevented by proper scalp care and transducer array placement. Skin irritation that may occur is typically mild to moderate and is treatable without discontinuing therapy.

## Proper Scalp Care Plays an Important Role in Preventing Skin Irritation

Proper scalp care can help reduce the risk of developing a skin irritation while receiving Optune. The steps detailed here will help you minimize your risk of skin irritation and maximize your time on Optune.

### SCALP PREPARATION

In order to ensure good array-to-scalp contact, proper scalp shaving and washing are important. You or your caregiver should:

- Shave your scalp closely with the electric dry razor provided in your starter kit. Test the shave by running a piece of gauze or a cotton ball moistened with 70% isopropyl alcohol across your scalp. If there is noticeable friction, a closer shave is required
- Wash your scalp with a mild fragrance-free shampoo or dandruff shampoo after shaving to clean your scalp and reduce oiliness
- Wipe your skin with 70% isopropyl alcohol to remove additional oil from your scalp. If you are experiencing a skin irritation, be sure to avoid contact with the affected area
- Ensure that your head is completely dry before applying a new set of transducer arrays

Between applications of transducer arrays, use mineral oil before shaving to remove any adhesive residue from your scalp.

### INFECTION PREVENTION

Although the transducer arrays are provided in individual sterile packages to minimize infection risk, you and/or your caregiver can take additional steps to further reduce the risk of infection.

- Always wash your hands prior to application and removal of transducer arrays
- Wash your scalp between transducer array exchanges
- Clean the electric razor per manufacturer's guidelines after every shave

# Proper Transducer Array Placement Helps Reduce the Risk of Skin Irritation

Changing your transducer arrays and moving their position slightly from the previous location on your head can help reduce your risk of skin irritation.

## CHANGING YOUR TRANSDUCER ARRAYS

**You should change your arrays 1 to 2 times per week (every 4 to 7 days).**

More frequent transducer array exchanges are recommended if:

- The weather has been warmer, causing you to sweat more
- You've performed intense physical activity causing you to sweat more
- You're experiencing discomfort, intense itching, or excessive oiliness on your scalp
- The hydrogel layer over the ceramic discs becomes soft or "goopy" because of excessive moisture on your scalp

Additionally, some medications may increase the risk of skin irritation or affect healing. Contact your doctor to answer any questions you may have about your medications.



*The transducer arrays are attached to a medical adhesive bandage to keep them in place on the scalp and in continuous direct contact with the skin. **Proper application requires rotating the placement of the transducer arrays by approximately 0.75 inches every time you exchange them.***



To view a brief demonstration of applying transducer arrays, visit [Optune.com](https://www.optune.com).

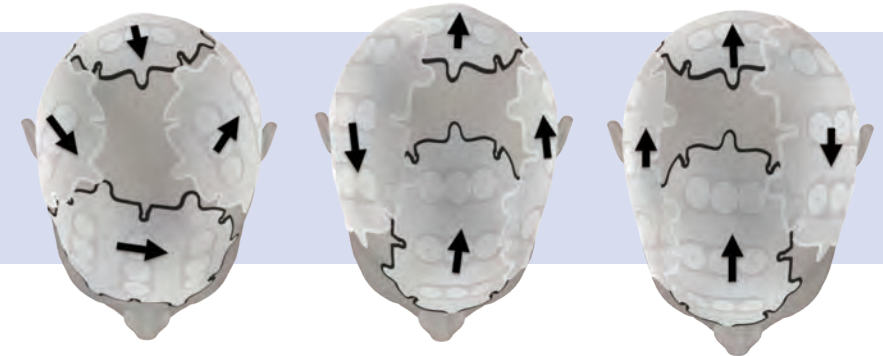
## TRANSDUCER ARRAY PLACEMENT

Slightly relocate the transducer arrays each time you exchange them so contact sites vary.

- Shift the transducer arrays approximately 0.75 inches from the last location in the general direction of the arrow on your transducer array layout or "map"



- The ceramic discs leave a slight indentation on the surface of your scalp, allowing you or your caregiver to easily see where to position the new set of arrays
- The transducer arrays work in pairs, so they should be shifted together (see diagram)



*Examples of shifting transducer arrays at each array exchange*

- On your next transducer array exchange, shift them back to the previous position

Avoid placing any of the ceramic discs over surgical scars, craniotomy hardware, or anything on your scalp that feels hard or bumpy to your fingertips.

*NOTE: Please contact Novocure to arrange for proper disposal of used transducer arrays. Do not throw them in the trash.*

# What to Do If You Develop a Skin Irritation on Your Scalp

**It is important to be able to recognize skin irritation symptoms, so you can seek proper treatment**

By practicing good scalp care habits and properly changing transducer arrays while receiving Optune, you may reduce your risk of developing skin irritation on your scalp. Although skin irritation may sometimes occur, it can typically be treated with topical ointments without discontinuing Optune. If you experience swelling, redness, excessive itching, or other skin-related symptoms, contact your health care provider for treatment advice.

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# Important Information for Patients Receiving Optune

## KEY POINTS

- Maximizing your time on therapy helps you achieve the greatest benefit from Optune
- The most common side effect associated with Optune is skin irritation under the transducer arrays
- Proper scalp care and transducer array placement can help prevent skin irritation
- Skin irritation on the scalp is treatable and typically does not require discontinuation of Optune
- If you experience skin irritation symptoms, contact your health care provider for treatment advice



**Reference: 1.** Optune Instructions for Use. Novocure 2014.