Understanding Optune®
A guide for patients and their caregivers

5 YEARS
Inside: 5-year survival results in newly diagnosed GBM

Marcia is on Optune. BT is her husband.
What is Optune® approved to treat?
Optune is a wearable, portable, FDA-approved device indicated to treat a type of brain cancer called glioblastoma multiforme (GBM) in adult patients 22 years of age or older.

Newly diagnosed GBM
If you have newly diagnosed GBM, Optune is used together with a chemotherapy called temozolomide (TMZ) if:
• Your cancer is confirmed by your healthcare professional AND
• You have had surgery to remove as much of the tumor as possible

Recurrent GBM
If your tumor has come back, Optune can be used alone as an alternative to standard medical therapy if:
• You have tried surgery and radiation and they did not work or are no longer working AND
• You have tried chemotherapy and your GBM has been confirmed by your healthcare professional

Who should not use Optune?
Optune is not for everyone. Talk to your doctor if you have:
• An implanted medical device (programmable shunt), skull defect (missing bone with no replacement), or bullet fragment. Optune has not been tested in people with implanted electronic devices, which may cause the devices not to work properly, and Optune has not been tested in people with skull defects or bullet fragments, which may cause Optune not to work properly
• A known sensitivity to conductive hydrogels (the gel on the arrays placed on the scalp like the ones used on EKGs). When Optune comes into contact with the skin, it may cause more redness and itching or may rarely cause a life-threatening allergic reaction

Do not use Optune if you are pregnant or are planning to become pregnant. It is not known if Optune is safe or effective during pregnancy.

What should I know before using Optune?
Optune should only be used after receiving training from qualified personnel, such as your doctor, a nurse, or other medical staff who have completed a training course given by Novocure™, the maker of Optune.
• Do not use any parts that did not come with the Optune Treatment Kit sent to you by Novocure or given to you by your doctor
• Do not get the device or transducer arrays wet
• If you have an underlying serious skin condition on the scalp, discuss with your doctor whether this may prevent or temporarily interfere with Optune treatment

What are the possible side effects of Optune?
Most common side effects of Optune when used together with chemotherapy (temozolomide, or TMZ) were low blood platelet count, nausea, constipation, vomiting, tiredness, scalp irritation from the device, headache, seizure, and depression.
The most common side effects when using Optune alone were scalp irritation (redness and itchiness) and headache. Other side effects were malaise, muscle twitching, fall and skin ulcers.

Talk to your doctor if you have any of these side effects or questions.

Please visit Optune.com/Safety for Optune Instructions For Use (IFU) for complete information regarding the device’s indications, contraindications, warnings, and precautions.

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About Optune®

What is Optune?

• Optune is a wearable and portable, FDA-approved treatment for glioblastoma (GBM).

How does Optune work?

• GBM cancer cells divide quickly, creating more and more cancerous cells that form a mass, or tumor.

• When Optune is turned on, it creates low-intensity, wave-like electric fields called Tumor Treating Fields, or TTFields. These TTFields are delivered by transducer arrays to the location of a GBM tumor.

• TTFields interfere with GBM cancer cell division. This action slows or stops GBM cancer cells from dividing, and may destroy them.

How does Optune treat where the GBM tumor is located?

• Optune has been shown in clinical studies to safely deliver TTFields to the location of a GBM tumor.

• Optune uses 4 adhesive patches, called transducer arrays, to deliver TTFields to the location of a GBM tumor. These transducer arrays are applied to your scalp and are connected to the device and battery.

Drugs like chemotherapy travel through the bloodstream, affecting cells all over the body.

Optune delivers TTFields to the location of your GBM tumor and has not been shown to affect cells in other parts of the body.
**About Optune®**

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[Image of cancer cell division and TTFields interfering with cell division]

**Systemic Therapy**

Drugs like chemotherapy travel through the bloodstream, affecting cells all over the body.

**Visit Optune.com**

- Explore additional resources:
  - Buddy Program
  - Educational resources
  - Explore the system
  - Patient journey videos
  - Hear personal stories from Optune patients and caregivers

**References:**

Optune® for newly diagnosed GBM

Has Optune + chemotherapy* been shown to extend long-term survival?
• A large clinical study showed that adding Optune to chemotherapy provided the best chance to live longer†

[Diagram showing survival rates]

13% Optune + chemotherapy vs 5% Chemotherapy alone

Doubled survival at 5 years

• Nearly half of people on Optune + chemotherapy were alive at 2 years compared with 31% of people on chemotherapy alone.

What additional benefits does Optune provide?
• Optune treats where your GBM tumor is located without increasing chemotherapy-related side effects.

How Optune works against GBM
Optune delivers TTFields that help slow or stop GBM cancer cells from dividing and may also destroy some cancer cells.

Wearable and portable therapy
Continuous treatment with Optune can be received almost anywhere.

Treats where the tumor is
TTFields do not enter the bloodstream like a drug, so they did not significantly increase chemotherapy-related side effects.

Effective when combined with chemotherapy
People on Optune + chemotherapy lived longer and delayed tumor growth longer than people on chemotherapy alone.

* Temozolomide, also known as Temodar®.
† Comparing Optune + chemotherapy vs chemotherapy alone.

OPTUNE®

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Optune® for recurrent GBM

How does using Optune alone compare with chemotherapy?

- A large clinical study in recurrent GBM showed that Optune was as effective as chemotherapy, with people self-reporting:
  - Better quality of life
  - Improved cognitive functioning (better memory and concentration)
  - Increased emotional functioning (less tension and irritability)

What are the side effects of Optune and how do they compare to chemotherapy?

**OPTUNE**

- Scalp irritation
- Headache

**CHEMOTHERAPY**

- Headache
- Malaise
- Low blood platelet count
- Nausea
- Diarrhea

Frequently asked questions

How will Optune fit into my daily life?

- Continuous treatment with Optune can be received almost anywhere. If your doctor says it’s okay, you can use Optune while you go about your daily routine at work, while traveling, and at social functions.

How long do I have to wear Optune?

- Optune should be used for at least 75% of the time (18 hours a day) to get the best response from treatment.
- When you begin treatment with Optune, work with your doctor to make your own individualized plan about how long you should stay on Optune. After starting Optune, it may take time to see if it is working. You and your doctor can review how Optune is working against your tumor and fitting into your lifestyle to determine the best path forward. It is important to note that ongoing and continued use of Optune will provide the best chance for ongoing benefits as seen in the clinical study of newly diagnosed GBM patients.

Why do I have to shave my head while using Optune?

- Transducer arrays need to be applied directly to your scalp to work properly. Hair growth prevents the arrays from making good contact with your scalp.
- You will need to shave your head and change the arrays at least 2 times a week (every 4 days at most).
- Loose-knit wigs, hats, and head coverings may be worn over the arrays.
Optune® for recurrent GBM

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Frequently asked questions (cont’d)

Can I shower or bathe while on Optune?
• To shower or bathe, simply unplug the device, coil the cords around your head, and tuck them under a shower cap.
• No matter where you are, it’s important that you keep the device and arrays from getting wet.

How will I know if Optune is working?
• As long as the device and TTFields are turned on, therapy is being delivered.
• Optune records the amount of time therapy is delivered per day. Your healthcare team will receive a monthly report to monitor your treatment goals.

What will I feel when using Optune?
• You may experience a warm feeling on your head when using Optune, which is normal.

Who should not use Optune?
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Complete support every step of the way

- From the moment your doctor prescribes Optune®, the nCompass program will be there for you on your Optune treatment journey
- When your doctor prescribes Optune, our team will help you navigate insurance coverage and financial assistance
- When you're ready to get started, a Device Support Specialist (DSS) will come to you, to provide personalized device training in the comfort of your home or your doctor's office
- Whenever you need us, you can always reach out. Whether that means contacting us for 24/7 tech support, or even requesting help when preparing to travel with Optune

One call, complete support

Coverage questions? Need tech support? Travel assistance? Extra supplies?

Call us toll free, any time of day: 1-855-281-9301 (toll free)

Or email us: support@novocure.com
Buddy Program

Connect with an Optune user

• If you or a loved one is considering Optune, the Buddy Program connects you with Optune users and/or caregivers who have experience with Optune.
• They have been where you are and want to share what they have learned, including:

Tips on using Optune
Advice on how to incorporate Optune into daily life
Personal experiences with Optune and the nCompass™ support program

Thousands of GBM patients have started Optune...

Call 1-844-247-1636 or visit OptuneBuddyProgram.com to sign up to connect with an Optune user today!

“My perspective is that every extra day I get is another day to enjoy and try to do more with my friends and family.”
—Brian, Optune user

Community resources

Access a community of support

• 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.

Musella Foundation
1-888-295-4740
virtualtrials.com/musella.cfm

The Chris Elliott Fund
1-800-574-5703
endbraincancer.org

American Brain Tumor Association
1-800-886-ABTA (2282)
abta.org

American Cancer Society’s "TLC" Web Site
1-800-850-9445
tlcdirect.org

Look Good, Feel Better—Helping Women With Cancer
1-800-395-LOOK (5665)
lookgoodfeelbetter.org

CancerCare®
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cancercare.org

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Learn more about Optune at Optune.com

Learn more about Optune in Spanish at Optune.com/Spanish

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Optune Instructions For Use. Novocure 2016.

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Visit Optune.com

• Explore additional resources:

  **Patient journey videos**—Hear personal stories from Optune patients and their caregivers

  **Explore the system**—Get to know Optune and its components

  **Educational resources**—Browse through printable educational resources, and learn more about nCompass™ support

  **Buddy Program**—Sign up to connect with other Optune users or their caregivers

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Si hablas español, por favor llámenos.