Options for Stage III Melanoma



Making the Decision That's Right for You

Companion Piece For Canadian Patients



Making the Decision That's Right for You



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This is a companion piece for the guide, *Options* for Stage III Melanoma: Making the Decision That's Right for You, which can be downloaded here: (https://aimwithimmunotherapy.org/canada/).

This companion piece was developed based on the answers to questions posed by real patients who attended a Facebook Live review of the guide. We hope you find this information helpful to you as you navigate your way through your Stage III melanoma diagnosis.

A resource from the Melanoma International Patient Advocates Coalition. This content was created through a collaboration of AIM at Melanoma Foundation and Save Your Skin Foundation.







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Questions and answers

What is stage III melanoma?

Stage III melanoma is melanoma that has spread (metastasized) from the primary tumour to the regional area. This is in contrast to melanoma that has spread far away to a distant location. In Stage III, melanoma has spread from the original location to the region right around it, or a little further toward the lymph nodes in the region, or to the regional lymph nodes.

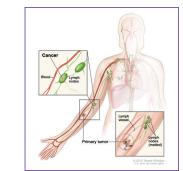
You may be familiar with the lymph nodes in your neck, armpit, and groin. As an example, let's say you had a primary melanoma on your upper arm. The lymph nodes that the melanoma would typically travel to first would be under the armpit. If those tested positive for melanoma, it would be considered Stage III disease. You could also have other forms of regional (Stage III) disease. For example, an in-transit metastasis would show up somewhere in the little lymphatic channels that travel away from the primary tumour location but not quite as far as the lymph nodes in the armpit. It would also be Stage III disease if the melanoma spread to the area right around the original primary tumour. This type of spread is sometimes picked up when your doctor performs the wide local excision and is called a microsatellite. So you may hear different terms—nodal disease, satellite, microsatellite, or in-transit disease—to describe melanoma that has spread in the region (Stage III disease).

Guide Notes: The last part of the guide contains an in-depth discussion of melanoma staging. Pages 27-28 explain regional (Stage III melanoma) in text and pictures under the heading N (nodal classification).

N= NODAL CLASSIFICATION

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The **nodal** classification in melanoma tells you if any of the melanoma cells have spread from the primary tumor to mearby (regional) imph nodes or sinnlymphatics. As shown in Graphic 17, hyph nodes are areall seed shaped area tructure that contrain clusters of immune charaby in the next, armpit, and groin. As discussed earlier, cancer cells typically stress, from the primary tumor to the nearest lymph node before traveling to other parts of the body. Lymph node involvement is rated according to a number of factors. One factor is how many lymph node, when biopsied, are found to have melanoma cells. There are 4 M designations: NU means there is no hymph node involvement, while N13 designations are used for 1 to are avoid to be observed as a stress of the biody. Supplement of the nearest primary distribution of the stress of the biody. Supplement of the nearest primary distribution of the stress are traveled to the have melanoma cells. There are 4 M designations: NU means there is no hymph node involvement, which N13 designations: are used for 1 to are avoid to be observed and a stress of the hold of the hold of the stress of hymph nodes are not visible/palable (which means they can be felt by the hard). Some involved nodes are not visible/palable and are only found by a sentinel lymph node (SLN) biopy. Subs are the first nodes (or a single node) to which lymph fluid flows and to which cancer may move when I keaves the dermin. To perform a SLN biopsy, addector will nyte can any involved node accoult, since they are not palable or visible to the naked ove. Generally speaking, when lymph node involvement is occult vs visible or palpable, it marks a better disease course. Finally, the N classification includes evaluation of statellites, in-transit metastases, and microsatellites. While they may be labeled with different terms, these are all grouped together as intralymphatic regional metastases and are considered regional disease. They all represent small metastases that are close to but separate from the primary tumor. They have not reached the regional lenarbly hymhode. As shown in Graphic 17, when the nodes are "clumped/matted," meaning the process of spreading has attached them together, that is also a marker of more advanced disease.



Graphic 17. Stage III melanoma. The figure shows the nodes in relationship to the primary melanoma as well as the lymphatics that drain the tissue surrounding the tumor. In the inset, seried of the lymph nodes are clumped/matted, which is a marker of more advanced disease. Used, with permission from

Options for Stage III Melanoma: Making the Decision That's Right for You

Why should I know what specific substage of Stage III melanoma I have?

Stage III melanoma encompasses a wide range of conditions. You may have only one or multiple lymph nodes that contain cancer. Your lymph nodes may be enlarged to the point that your healthcare provider can see or feel them. Or the affected lymph nodes may not be readily apparent—they may only have been detected when the lymph node was biopsied, and the cancer was visible under the microscope. It could be that you had matted or clumped lymph nodes. Alternatively, you may have melanoma in the region between the primary tumour location and the lymph nodes. Your specific substage of Stage III melanoma is also affected by the characteristics of your primary melanoma—how thick it was and whether or not it was ulcerated, which means part of the upper layer of skin is broken on the top of the melanoma. Ulcerated melanomas have a different disease course (prognosis) than nonulcerated melanomas.

It's important to know this information and which substage of Stage III disease you have, whether it is Stage IIIA, IIIB, IIIC, or IIID. The prognosis differs with each substage.

Guide Notes: In addition to pages 27 and 28 of the guide, which explain all of the different elements of the nodal classification system, page 30 contains a table that helps you understand how the primary tumour characteristics and the nodal characteristics can be used to determine your substage. The table also shows the 5-year and 10-year survival rates associated with each substage at the time that the staging system was published.

Your healthcare provider can use this table to help you understand how he/she arrived at your substage and what it means for the predicted course of your disease (prognosis). However, it is important to remember that survival rates do not predict an individual's outcome. Every person and every case are different, and many factors contribute to an individual's survival. It's also important to remember that new and successful treatments have emerged over the last few years, and survival rates are increasing in Stage III melanoma.

Primary Tumor, T Category with Thickness,	Nodal Category	Stage	Melanoma-Specific Survival		
Ulceration	Notal Category	Jaage	5-Year	10-Year	
T1a or T2a: Less than 2.0 mm, not ulcerated OR T1b: Less than 0.8 mm, ulcerated OR 0.8 – 1.00 mm, regardless of ulceration	N1a: 1 node found, not visible or palpable (detected by SLN biopsy) OR N2a: 2-3 nodes found, not visible or palpable (detected by SLN biopsy) OR	Stage IIIA	93%	88%	
T3a: 2.1 - 4.0 mm, not ulcerated OR T2b: 1.1 - 2.0 mm, ulcerated T1a-T3a: Less than 4.0 mm, not ulcerated OR T1b, T2b: Less than 2.0 mm, ulcerated	Nia: 1 node found, not visible or palpable (detected by SLN biops) OR Nia: 23 nodes found, not visible or palpable (detected by SLN biops) Mib: 1 node visible/palpable OR Nfc. In-travaril, satellite, or microsatellite metastases but no disease in the regional hymh node OR	Stage IIIB	83%	77%	
T0: Primary melanoma not found	N2b: 2-3 nodes, at least 1 visible/papable N1b: 1 node visible/papable N1b: 1 node visible/papable N1b: 1 node visible/papable N1b: 1 node visible/papable no disease in the regional lymph node	-			
Tite-Tax: Less than 2.00 mm, not ulcerated OR Tite-Tax: Less than 2.00 mm and ulcerated Tite-Tax: Less than 2.00 mm and ulcerated Tite: 2.1 - 4.0 mm, ulcerated OR Tab: 2.1 - 4.0 mm, ulcerated OR Tab: Unknown 4.00 mm, ulcerated OR Tab: Unknown primary Tite: Unknown primary	NBC - In order on visible or palapide (detectable by SLN beyon) or 1. node visible/palapide with order of the orang, and the orang, and the orang of t	Stage IIIC	69%	60%	
T4b: More than 4.00 mm, ulcerated	N32.4 or more nodes, not visible or palpable (detected by SLN biopy) OR N32.6 a or more nodes, at least 1 visible or palpable, or any clumped nodes OR N32.2 or more nodes, either visible/palpable or not visible or palpable (defected by SLN biops) and/or any visible or palpable (defected by SLN biops) and/or any netlestatases	Stage IIID	32%	24%	

Why is surgery sometimes not enough?

Surgery for stage III disease is sometimes not enough. In Stage III patients, the risk of the disease coming back (recurring) can be high enough that surgical removal of the tumour(s) is not enough. When a lymph node is positive, the melanoma can have access to the rest of the body. It can spread throughout the lymphatic system. The lymphatic system is closely tied to the bloodstream, which travels everywhere throughout the body. So even though the melanoma may have started on your hand, if it gets into the lymphatics, it can spread more easily. Overall, Stage III patients have about a two-thirds chance of recurrence over 5 years. Thus, there can be a strong rationale for taking medication to prevent the disease from coming back. The higher your substage of Stage III, the greater the risk of recurrence from the disease.

Guide Notes: On pages 2-4, the guide addresses the risk for recurrence with Stage III melanoma. It shows survival curves that help you understand why Stage III melanoma is considered high risk and how the risk increases with progressive substages (Stage IIIA, Stage IIIB, Stage IIIC, Stage IIID). It also explains how the tumour can come back even when the surgeon removed all the visible tumour.

UNDERSTANDING YOUR RISK	As you can see from this graphic, after 10 years: • 95% of Stage II patients are alive • 66% of Stage II patients are alive Stage II has relatively poor disease Stage II has relatively poor disease the melanome	WHY ARE STAGE III PATIENTS AT HIGH RISK FOR RECURRENCE, AND WHY SHOULD THEY CONSIDER TREATMENT?
 Stage 0 is thin melanoma which has not penetrated (invaded) the deeper layers of the skin (in situ). Stages 1 and II are melanomas that are limited to the skin. These melanomas vay in how thick they are and whether the skin covering the melanoma is ulcerated or not. Thicker melanomas and ulcerated melanomas have a higher risk of recurring. Stage III is melanoma that has spread from the original site of your melanoma to 1 or more of the nearby <i>limph</i> nodes or to the rearby <i>limbh</i> site of your melanoma to 1 or more of the nearby <i>limph</i> nodes. To the nearby <i>limbh</i> site of your melanoma to 1 or more of the nearby <i>limbh</i> site is science IU: IT READ Site of State State State	Construction of the second sec	High-risk melanoma is a melanoma that has a high likelihood of recurring or spreading after the primary tumor has been surgically removed. Overall, patients with Stage III melanoma have a 65% risk of their melanoma recurring within a 5-year period. That means 2 out of 3 people will have a recurrence of their melanoma. For this reason, Sagel III melanoma should consider adjuvant (additionally treatment. The lidea that your cancer right come have or spread may be confusing to you, since you may have been told that 'we got it all' Arphing that could be seen has been removed. However, what may be left is what your medical team cance that is visuance that some melanoma cells may have broken away from the primary tumor and are still in your body. Although your medical team cancer tast is visible, is not possible to search your entire body for any breakaway cancer cells. Adjuvant therapy is designed to endicate these breakaway cells—enter by interfering with the calkar processes the cells use to grow and multiply or by helping your body's immune system to hunt them dwan and destry them. In this way, the cancer may be kent from spreading or coming back. There is
necessarily predict your individual survival. Every person and case is different, and many factors contribute to survival. You can discuss these curves with your oncology team.	Captic 2. Differences within Stage III, your stage Stage III Captic 2. Differences within Stage III, your stage Stage III Solution of the Stage III and III Adapted from Graphic 2. Differences within Stage III, your stage Stage III Solution of the Stage III and III Adapted from Graphic 2. Differences within Stage III, your stage Stage III Solution of the Stage III and III Adapted from Graphic 2. Differences within Stage III and III Adapted from Graphic 2. Differences within Stage III and III Adapted from Graphic 2. Differences within Stage III and III Adapted from Graphic 2. Differences within Stage III and III Adapted from Graphic 2. Differences within Stage III and III Adapted from Graphic 2. Differences within Stage III melanoma diagnosis from 2000 to 2012. The investigators compared with those reported by the ALC Cby stage. For example, in the CMMRV sith ALC Cp roup, Syear survival for Stage III in general and in the more advanced substages.	a long history of people using adjuwant therapy in other cancers, such as breast cancer. Adjuwant therapy has also been used in the reatment of melanoma for decades, but the older options were highly toxic and did not improve survival. That has changed. The good news is that now we have more options for Sagall melanoma, and they are more fetches and generally have fever side effects. The next sections provide you information about these options and, hopefully, can help guide you and your oncology team in deciding what is right for you.
KEYTERNS Lymph nodes Smith beam-shaped structures containing white blood cells that fight disease. These are located throughout the body but minity in the armpit, grain, and neck. Utcerated Term used to doubt the white the top layer of share and meck. Utcerated Term used to doubt the white the top layer of share and meck. Utcerated Term used to doubt the white the top layer of share and meck. Utcerated Term used to doubt the high taken at the men and the merid. Copyright 2.013 Mid a latitetime share and mean addee. A lingen lawned. Doubter Restor part, 2017 2	Within the Stage III group, survival rates generally get worse as you go from Stage IIIA to Stage IIID. This is why it is important you and your oncology team discuss your individual stage and risk. Stage III Compared to the state of t	KEY TERMS: Recurrence: Melanoma that has returned after treatment. Attack Option to Suppl T Mananet. Making the Deckin That Right & Tax. Copy of C 277 Multi Attacement including and therman Multics. At Agine Remotel. Discover Remote Option 4, 2019 4

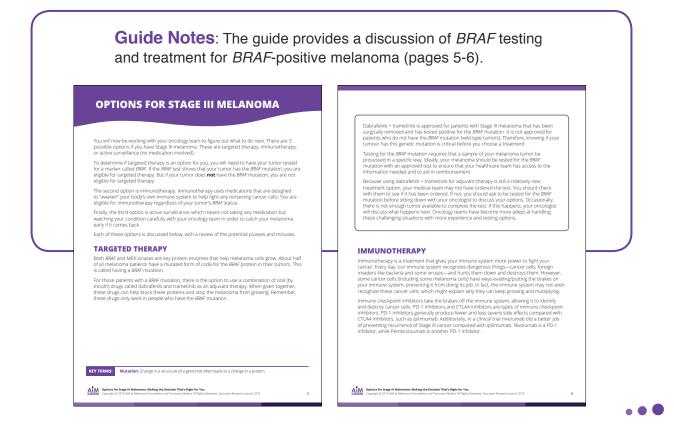
What do I need to know before I go to the oncologist?

There are a few pieces of information that your oncology team will need in order to evaluate the options to treat your high-risk melanoma.

First, the team needs all the details about your stage-this can include the pathology report from the original primary as well as all the information from the assessment of your lymph node (example, sentinel lymph node biopsy, surgery, needle biopsy, etc.). They will also need staging scans (imaging) to make sure that the melanoma has not already metastasized farther. meaning it has spread past the lymph nodes to other parts of the body such as in the lung, liver, or bone. Such staging scans could include the use of a positron emission tomography/ computer tomography (PET/CT) combination scan, magnetic resonance imaging (MRI), or a CT scan alone. If there are distant metastases, then you would be staged as Stage IV and you and your oncologist would then discuss therapy options specific for that stage.

Another important piece of the puzzle is your BRAF status. BRAF is a mutation that is present in approximately 50% of cutaneous (skin) melanomas that are tested. If you have melanoma on your hands/feet, your mucosa, or in your eye, different mutations can be involved—we will not be discussing those types of melanoma in this guide. For cutaneous melanoma, the reason it's important to know your BRAF status is that there are drug treatments, BRAF/MEK inhibitor combinations, that are an option for adjuvant therapy if you have the BRAF mutation. But those drugs don't work if you don't have the BRAF mutation.

To be tested for the *BRAF* mutation, your pathologist, surgeon, dermatologist, or oncologist must order the test. If your healthcare provider has not ordered the test, you will want to talk with either your surgeon, dermatologist, or oncologist about ordering it.



What are the options for Stage III melanoma?

There are three options for managing Stage III melanoma: targeted therapy, immunotherapy, and active surveillance. Each are briefly discussed below.

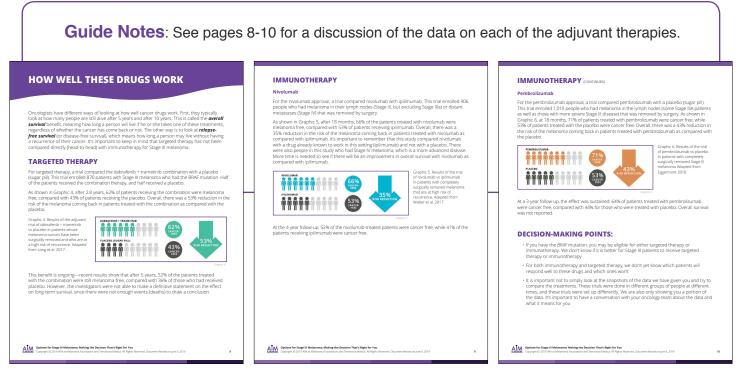
Targeted therapy is a combination of oral medications—a BRAF/MEK inhibitor combination that can be used in patients who have the *BRAF* mutation. Together, these drugs block key protein enzymes that help the melanoma grow.

Immunotherapy treatments give your immune system more power to fight cancer. Currently, immune checkpoint inhibitors—PD-1 inhibitors and CTLA4 inhibitors—are used as adjuvant immunotherapy for melanoma. Another option is called active surveillance. With active surveillance you are not taking any medicine to prevent the melanoma from coming back, but you are keeping a close eye out for any recurrence. You would go back to your oncologist on a regular basis for monitoring, which would include examination of your skin, a clinical examination to feel for lymph nodes, and additional imaging scans to see if the melanoma has spread further. You might consider active surveillance if you and your oncologist feel like your risk for recurrence is relatively low or if the adjuvant medications are not good options for you.



How long is drug treatment? **OTHER CONSIDERATIONS** Targeted therapies and PD-1 inhibitors can **DRUG ADMINISTRATION** be given for up to a year-as long as you For targeted therapy, you will be taking capsules/tablets twice a day as long as you are tolerating the combination and the melanoma doesn't come back, for up to 1 year. Novolumab is given as an intravenue (kn) introvent to the use, bit up to 1 year. Novolumab is given every 2 weeks (but can be given every 4 weeks) and will be continued as long as you tolerate it and the melanoma doesn't come back, for up to 1 year. The influsion lasts for 30 minutes. tolerate the side effects and the melanoma has not come back. Pembrolizumab is given as an IV infusion into your arm, typically at your oncologist's office The drug is usually given every 3 weeks and will be continued as long as you tolerate it and the melanoma doesn't come back, for up to 1 year. The infusion lasts for 30 minutes. Now that you have a better understanding of how each treatment is given, here are some factors you may want to consider when discussing with your physician and choosing your treatment option: Guide Notes: See page 17 for a Targeted Therapy · How do you feel about having to take "pills" every day? discussion of the how the drugs are given. · Will you remember to take your medication twice a day, every day? The trametinib component of targeted therapy must be refrigerated. Would this be an issue for you (for example, having to keep the medication at the proper temperature when traveling)? How diligent will you be about taking these pills? They need to be taken on an empty stomach (at least 1 hour before or 2 hours after a meal) Immunotherapy Are you willing to go to an infusion center every 2, 3, or 4 weeks? Do you have the transportation and the means to get to the infusion center? Can you arrange your schedule to be at the infusion center every 2, 3, or 4 weeks? Many patients expect that pills will have fewer side effects than IV drugs, but that's not always the case. You can get rashes or feel achy with oral drugs just as you do after an IV infusion, and you may be less mentally prepared for side effects from an oral drug than from an infusion. Options for Stage III Melanoma: Making the Decision That's Right for You Copyright © 2019 All at Melanoma Foundation and Terranova Medica. All Rights Reserved. Document Ri Do the drug treatments work?

These drugs are effective at reducing your risk of recurrence and improving survival rates in melanoma patients. We are continuously learning about the long-term benefits of these drugs on survival.

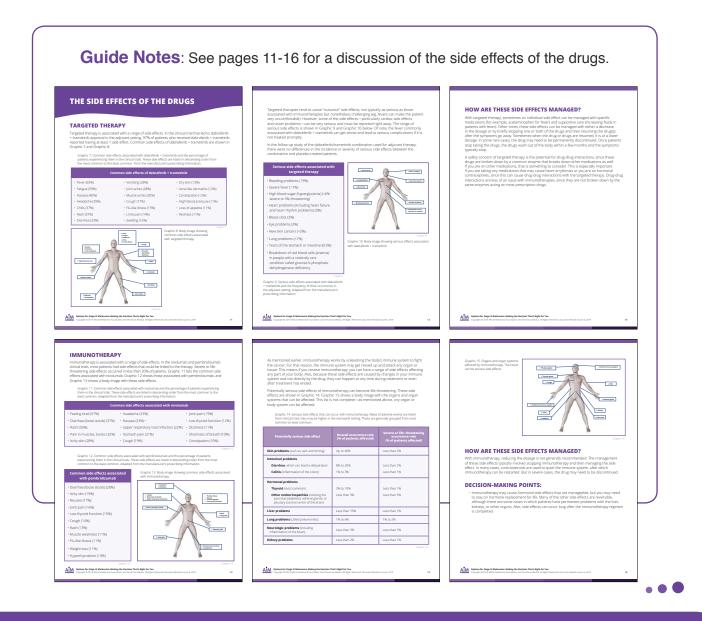


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What are the side effects of these drugs?

With the BRAF/MEK inhibitors, about 97% of patients will have some kind of side effect. So although it's easy to take this combination at home, you may experience side effects of some kind. The most common are fevers—and they can be pretty high, in the 103°F range; fatigue; and nausea. An itchy rash can develop. Other side effects as described in the guide. Your oncologist can adjust the medicine and reduce the dose if some of these side effects tend to be more severe.

With immunotherapy, the most common side effect is fatigue. The drugs work by revving up the immune system, so you can develop autoimmune problems, like an inflammation of the colon, a rash, liver inflammation, endocrine problems, pulmonary issues, etc. These can happen any time during the course of your therapy or even after your therapy, and they can progress and become serious. But they can generally be treated quite effectively. So it's important to inform your care team about any changes in how you feel because some of the immune-related side effects can start off very subtly. It's best to treat them early.



Will these drugs affect my ability to have children?

These drugs may cause fetal harm. Therefore, the general recommendation is for couples to avoid pregnancy while one of them is taking any of these medicines—whether it's a man or a woman. So while you're on therapy, make sure that you're using two birth control methods. These can be condoms, female contraceptive, whatever that is for you. However, if you are a woman taking targeted therapy, you need to be careful with oral contraceptives because they may interact with your medicine. While experts don't believe these drugs have a direct long-term effect on fertility, the immunotherapies may affect the hormone system long term because of a

potential hormonal effect, so some patients have described difficulty getting pregnant for the year or so after they stopped treatment.

Most clinics will tell you not to conceive until at least six months after immunotherapy is stopped. Now, targeted therapy clears from your system a little bit faster, and the manufacture recommends that you don't get pregnant for at least four months after therapy.

Before considering any next steps in family planning, consult your health care team.

Guide Notes: See page 19 for a discussion of fertility/family planning with these therapies.

FERTILITY/FAMILY PLANNING

Pregnancy Prevention

Whether you are a woman of childbearing age or a man who is sexually active, it is important that you use effective birth control while on treatment and for the specified time thereafter. These medications can cause fetal harm. People taking dabrafenib + trametinib should use an effective nonhormonal birth control method such as a condom, diaphragm, or spermicide during treatment and for 4 months after the last dose. Hormonal birth control (pills) is not recommended because of the potential for interaction with this drug combination. For nivolumab or pembrolizumab, you should use an effective method of birth control during treatment and for 6 months after the last dose of therapy.

Fertility/Family Planning

Fertility and family planning can be important issues to consider. Little is specifically known about the impact of these drugs on fertility. What is known is that once targeted therapy is discontinued, there are generally no long-term side effects, and the drugs are out of your system relatively quickly. If you use effective birth control and don't conceive for 4 months after you stop treatment, it is unlikely the medication would have a long-term effect on fertility.

With immunotherapy, fertility questions are more complex because of the potential of long-term impact on the immune system from these drugs in both men and women. Side effects could occur (including hormonal changes such as pituitary or thyroid problems) that could impact fertility, but this has not been well studied. Again, at the very least, you should avoid trying to conceive for at least 6 months after you stop treatment.

It's important to have a frank conversation with your oncology team about your family planning issues prior to starting treatment. You might also want to consider seeing a fertility specialist who is familiar with these issues in cancer patients. You may wish to discuss whether you can freeze some of your eggs/sperm before treatment if you are considering trying to conceive later. Your oncology team might have some names of specialists who can help.



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Is one approach better than the other?

Not necessarily. Your oncologist will work with you on deciding your specific treatment plan. A lot of factors will be considered:

- · Your substage and risk for recurrence
- Your BRAF status
- Any existing autoimmune conditions
- · Your overall health
- The safety of the drugs
- Convenience/quality of life
- Fertility/Family planning

Guide Notes: See pages 20-22 for the worksheets to help you weigh your options. You can complete these worksheets with your healthcare team to evaluate the options and select the approach that is best for you.

The following worksheets are in whether targeted therapy, imm your melanoma that is at high potential pros and cons of eac	unotherapy, or active surveil risk of recurrence. These wor	lance is th	ie best	approa	ach for	
Worksheet 1: Targeted Thera Factor to Consider	Dy My Thoughts	We	ighing	of Fac	tor to 1	/ou
My tumor status (BRAF)		1	2	з	4	5
Effectiveness of the drug		1	2	з	4	5
Side effects		1	2	3	4	5
Convenience of receiving the treatment		1	2	з	4	5
Quality of life		1	2	3	4	5
Financial considerations		1	2	3	4	5
Fertility/family planning		1	2	з	4	5
Other factors		1	2	з	4	5
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Factor to Consider	My Thoughts	Weighing of Factor to You				
My tumor status (BRAF)		1	2	3	4	5
Effectiveness of the drug		1	2	з	4	5
Side effects		1	2	3	4	5
Convenience of receiving the treatment		1	2	з	4	5
Quality of life		1	2	з	4	5
Financial considerations		1	2	з	4	5
Fertility/family planning		1	2	з	4	5
Other factors		1	2	з	4	5
	HOLE IN SHOP	Importan	ranoran Fairby	very very	Important	/

Factor to Consider	My Thoughts	We	Weighing of Factor to You				
My tumor status (BRAF)		1	2	3	4	5	
No treatment side effects		1	2	3	4	5	
Anxiety/concern about not having treatment		1	2	3	4	5	
Likelihood that the cancer might come back		1	2	з	4	5	
Quality of life		1	2	з	4	5	
Financial considerations		1	2	з	4	5	
Fertility/family planning		1	2	з	4	5	
Other factors		1	2	3	4	5	
;	Nor ^{Pehlimpord}	Importan	mportant	3 mportant Very	mportan	7	

Final Thoughts

We hope you found this guide to be helpful in evaluating your options for your Stage III melanoma. Our goal has been to empower you to work with your nonclogy team to make the best decision for you. We have included in the list below other resources that you may wante to crasult as you evaluate your options. Being informed puts you in the best position to have an active role in this important decision.

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