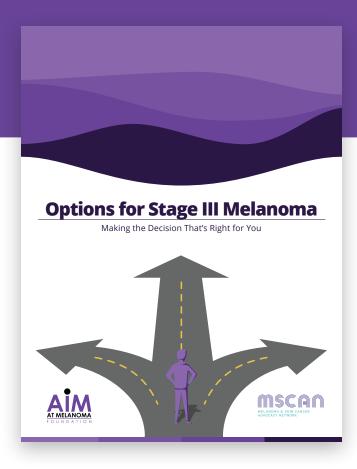
# Options for Stage III Melanoma



Making the Decision That's Right for You

# Companion Piece For Australian Patients



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/australia/).

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. The content was created through a collaboration of AIM at Melanoma Foundation and Melanoma and Skin Cancer Advocacy Network (MSCAN, mscan.org.au).







# **Questions and Answers**

# What is stage III melanoma?

Stage III melanoma is melanoma that has spread (metastasised) 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.

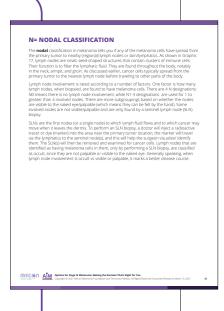
You may be familiar with the lymph nodes in your neck, armpit, and groin, as highlighted in the diagram below. As an example, let's say you had a primary melanoma on your upper arm. The lymph nodes that the melanoma would typically travel to first would be under the armpit. If those tested positive for 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.

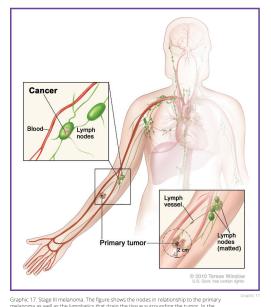
So you may hear different terms—nodal disease, satellite, microsatellite, or in-transit disease—to describe melanoma that has spread in the region (Stage III disease).

Finally, the N classification includes evaluation of satellites, 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 as intralyniphatic regional inetastases and are considered regional disease. They are represent small metastases that are close to but separate from the primary tumor. They have not reached the regional (nearby) lymph node. 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

### **Guide Notes:**

The last part of the guide contains an in-depth discussion of melanoma staging. Pages 26-27 explain regional (Stage III melanoma) in text and pictures under the heading N (nodal classification). The diagram on page 27 shows a primary melanoma and regional metastases to the lymph nodes.







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# Why should I know what specific subgroup 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 doctor 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 subgroup 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 subgroup of Stage III disease you have, whether it is Stage IIIA, IIIB, IIIC, or IIID. The prognosis differs with each subgroup.

**Guide Notes:** In addition to pages 26 and 27 of the guide, which explain all of the different elements of the nodal classification system, page 29 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 doctor 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.

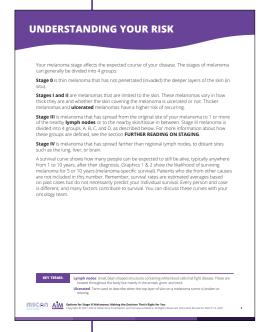
Primary Tumor, T Category with Thickness,	Nodal Category	Stage	Melanoma-Specific Survival	
Ulceration	Notal Category	Stage	5-Year	10-Year
T1a or T2a: Less than 2.0 mm, not ulcerated OR T1b: Less than 0.8 mm, ulcerated OR 0.8 – 1.00 mm, regardless of ulceration	N1a: 1 node found, not visible or palpable (detected by SLN biopsy) OR  N2a: 2-3 nodes found, not visible or palpable (detected by SLN biopsy)	Stage IIIA	93%	88%
T3a: 2.1 - 4.0 mm, not ulcerated OR T2b: 1.1-2.0 mm, ulcerated OR T1a: T3a: Less than 4.0 mm, not ulcerated OR T1b: T2b: Less than 2.0 mm, ulcerated OR	N1a: 1 node found. not visible or palpable (detected by SLN biopsy) OR NA2: 2-3 nodes found, not visible or palpable (detected by SLN biopsy) N1b: 1 node visible/palpable OR Ntc: In-transit, satellite, or microsatellite metastases but	Stane IIIR	Stage IIIB 83%	77%
T0: Primary melanoma not found	no disease in the regional lymph node OR  N2b: 2-3 nodes, at least 1 visible/palpable  N1b: 1 node visible/palpable OR	-		
To a many modulom to count	N1c: In-transit, satellite, or microsatellite metastases but no disease in the regional lymph node			
T1a-T3a: Less than 4.00 mm, not ulcerated OR T1b-T2b: Less than 2.00 mm and ulcerated  T3b: 2.1 - 4.0 mm, ulcerated OR T4a: More than 4.0 mm, not ulcerated  T4b: More than 4.00 mm, ulcerated  T6b: More than 4.00 mm, ulcerated	NZc: 1 node not visible or palpable (detectable by SLN biopsy) or 1 node visible-palpable with in-transit, satellite, or microsatelline metastases. OR N3a: 4 or more nodes, not visible or palpable (detected by SLN biopsy) OR N3b: 4 or more nodes, at least 1 visible or palpable, or any clumped nodes. OR N3c: 2 or more nodes, either visible/palpable or not visible/palpable and/or any clumped nodes plus in-transit, satellite, or microsatellite metastases.  Any N1, N2, or N3 (any nodal involvement or in-transit, satellite, or microsatellite metastases)  M1a-N2c: Up to 3 involved nodes, repardises of whether sible/palpable or in ramati, satellite, or microsatellite metastases without regional nodal involvement or only 1 regional node detected.  N2b: 2-3 nodes, at least 1 visible/palpable. OR N2c: 1 node not visible or palpable (detected by SLN biopsy) or 1 node visible or palpable with in-transit, satellite, or microsatellite metastases. OR N3b: 4 or more nodes, at least 1 visible or palpable, or any clumped nodes. OR	Stage IIIC	69%	60%
T4b: More than 4.00 mm, <i>ulcerated</i>	clumped nodes plus in-transit, satellite, or microsatellite metastases  N3a: 4 or more nodes, not visible or palpable (detected by SLN biopsy) OR  N3b: 4 or more nodes, at least 1 visible or palpable, or any clumped nodes OR  N3c: 2 or more nodes, either visible/palpable or not visible or palpable (detected by SLN biopsy) and/or any clumped nodes plus in-transit, satellite, or microsatellite metastases	Stage IIID	32%	24%

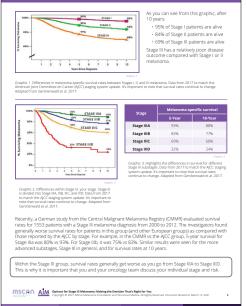


# Why is surgery sometimes not enough?

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.









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

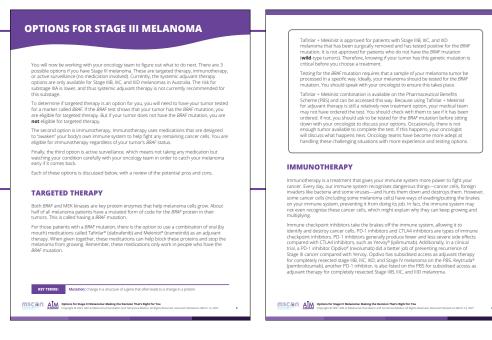
There are a few pieces of information that your oncology team will need in order to evaluate the options to treat your high-risk melanoma.

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 nodes (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 metastasised further, 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 doctor has not ordered the test, you will want to talk with a member of your healthcare team about ordering it.

**Guide Notes**: The guide provides a discussion of *BRAF* testing and treatment for *BRAF*-positive melanoma (pages 5-6).



## 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?

The duration of therapy or treatment is one year. Treatment may be stopped if any side effects become intolerable or if they can't be managed with other medication(s). It is critical to discuss any side effects with your treating team as early as possible so they can be best managed.

If the melanoma returns while on treatment, it will be important to discuss other treatment options with your treating team.

**Guide Notes**: See page 17 for a discussion of the how the drugs are given.

# 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.

### OTHER CONSIDERATIONS

### **MEDICATION ADMINISTRATION**

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.

Opdivo is given as an intravenous (IV) infusion into your arm, typically at your treating hospital. The medication is usually 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 infusion lasts for 30 minutes.

Keytruda is given as an IV infusion into your arm, typically at your treating hospital. The medication is usually given every 3 or 6 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 in choosing your treatment option:

### Targeted Therapy

- · · How do you feel about having to take "pills" every day?
- · ·Will you remember to take your medication twice a day, every day?
- The Mekinist 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 have an infusion every 2, 3, 4, or 6 weeks?
- Do you have the transportation and the means to get to your treating hospital?
- Can you arrange your schedule to be at the hospital every 2, 3, 4, or 6 weeks?

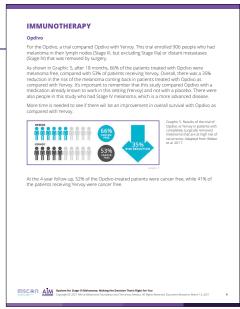
Many patients expect that pills will have fewer side effects than IV medications, but that's not always the case. You can get rashes or feel achy with oral medications just as you do after an IV infusion, and you may be less mentally prepared for side effects from an oral medication than from an infusion.

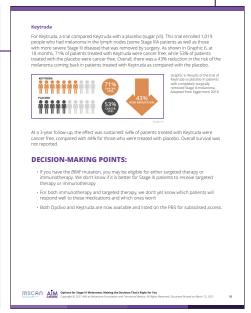
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Guide Notes: See pages 8-10 for a discussion of the data on each of the adjuvant therapies.











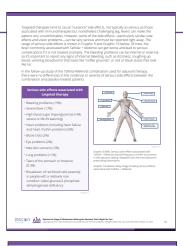
# What are the side effects of these drugs?

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 40°C 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. Once you are off therapy, these side effects subside altogether.

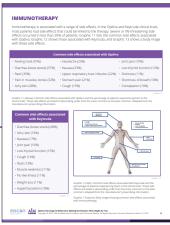
With immunotherapy, the most common side effect is fatigue. The drugs work by revving up the immune system, so you can develop autoimmune problems, like an inflammation of the colon, a rash, liver inflammation, endocrine problems, pulmonary issues, etc. These can happen any time during the course of your therapy or even after your therapy, and they can progress and become serious. Some side effects, such as hormonal effects, can occur long term. 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.

## Guide Notes: See pages 11-16 for a discussion of the side effects of the drugs.

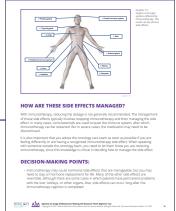








	Overall occurrence rate (% of patients affected)	Severe or life-threatening occurrence rate (% of patients affected)
Skin problems (such as rash and itching	Up to 40%	Less than 2%
Intestinal problems		
Diarrhea, which can lead to dehydration	8% to 20%	Less than 2%
Colitis (inflammation of the colon)	1% to 3%	Less than 1%
Hormonal problems		
Thyroid (most common)	3% to 10%	Less than 1%
Other endocrinopathies involving the pancreas (diabetes), adrenal glands, or pituitary (control center of the brain)	Less than 3%	Less than 3%
Liver problems	Less than 10%	Less than 1%
Lung problems (called pneumonits)	1% to 6%	1% to 2%
Neurologic problems (including inflammation of the brain)	Less than 3%	Less than 1%
Kidney problems	Less than 2%	Less than 1%
uphic 14. Serious side effects that can occur with imm y may be higher in the real-world setting. These are y	generally grouped from most common	



# 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

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 therea These medications can cause fetal harm. People taking Tafinlar + Mekinist 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 medication combination. For Opdivo or Keytruda, 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 medications on fertility. What is known is that once targeted therapy is discontinued, there are generally no long-term side effects, and the medications are out of our 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 medications 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 c 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 side-effect profile 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.



