

Inmunoterapia en melanoma 2024: Adyuvancia y neoadyuvancia

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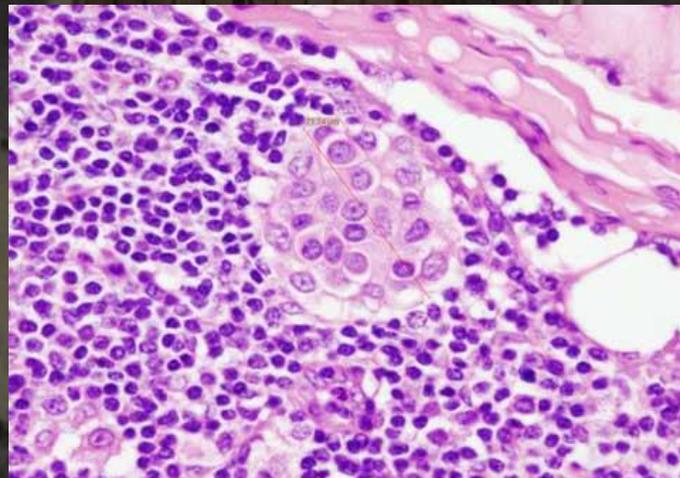




The New Pupil. Thomas Brooks 1854



Estadio IIB-IIC



Estadio IIIA-IIIBa

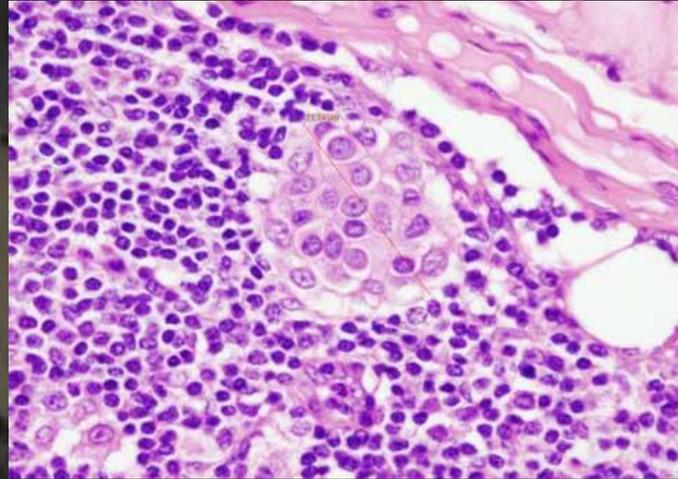


Estadio IIIBb-C





Estadio IIB-IIC



Estadio IIIA-IIIBa



Estadio IIIBb-C

**Inmunoterapia
adyuvante**

**Inmunoterapia
neoadyuvante**

Adyuvancia en el
paciente con tumor
primario de alto riesgo
no metastásico
Melanoma $\geq T3b$
estadio **IIIB-IIIC**



	5 años	10 años
IA	99%	98%
IB	97%	94%
IIA	95%	88%
IIIA	93%	88%
IIB	87%	82%
IIIB	83%	77%
IIC	82%	75%
IIIC	69%	60%
IIID	32%	24%



Estadio IIB-IIC

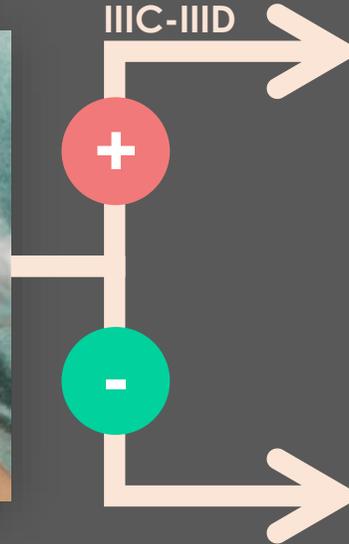
Supervivencia
Específica por
Melanoma



Estadio IIB-IIC
T3b-T4bN0M0



**Biopsia Selectiva del
Ganglio Centinela**



**Inmunoterapia
adyuvante**

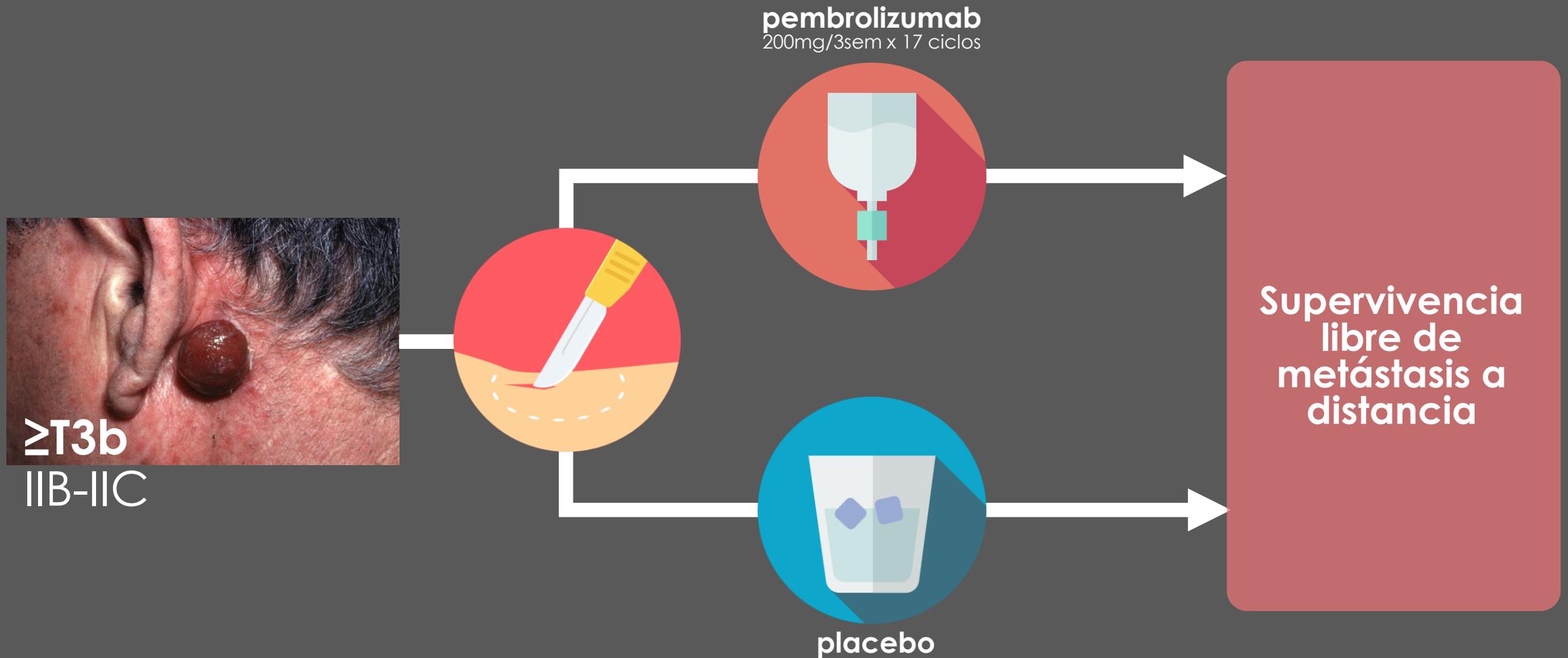


**Seguimiento
ecográfico**

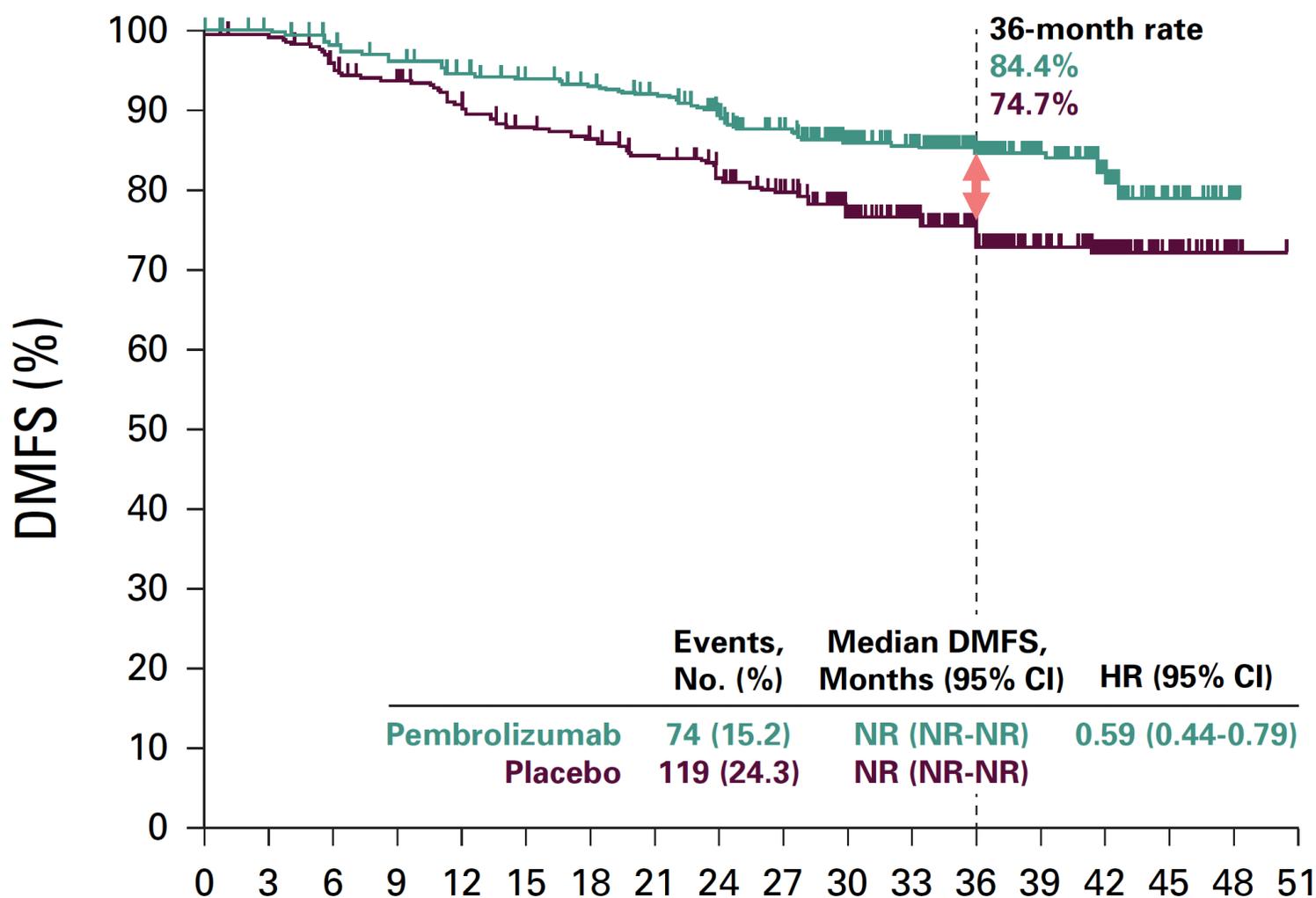
	5 años	10 años
IA	99%	98%
IB	97%	94%
IIA	95%	88%
IIIA	93%	88%
IIB	87%	82%
IIIB	83%	77%
IIC	82%	75%
IIIC	69%	60%
IIID	32%	24%



Supervivencia
Específica por
Melanoma



Pembrolizumab versus placebo as adjuvant therapy in resected stage IIB or IIC melanoma: final analysis of distant metastasis-free survival in the phase III **KEYNOTE-716**. JJ Luke et al. J Clin Oncol 2024



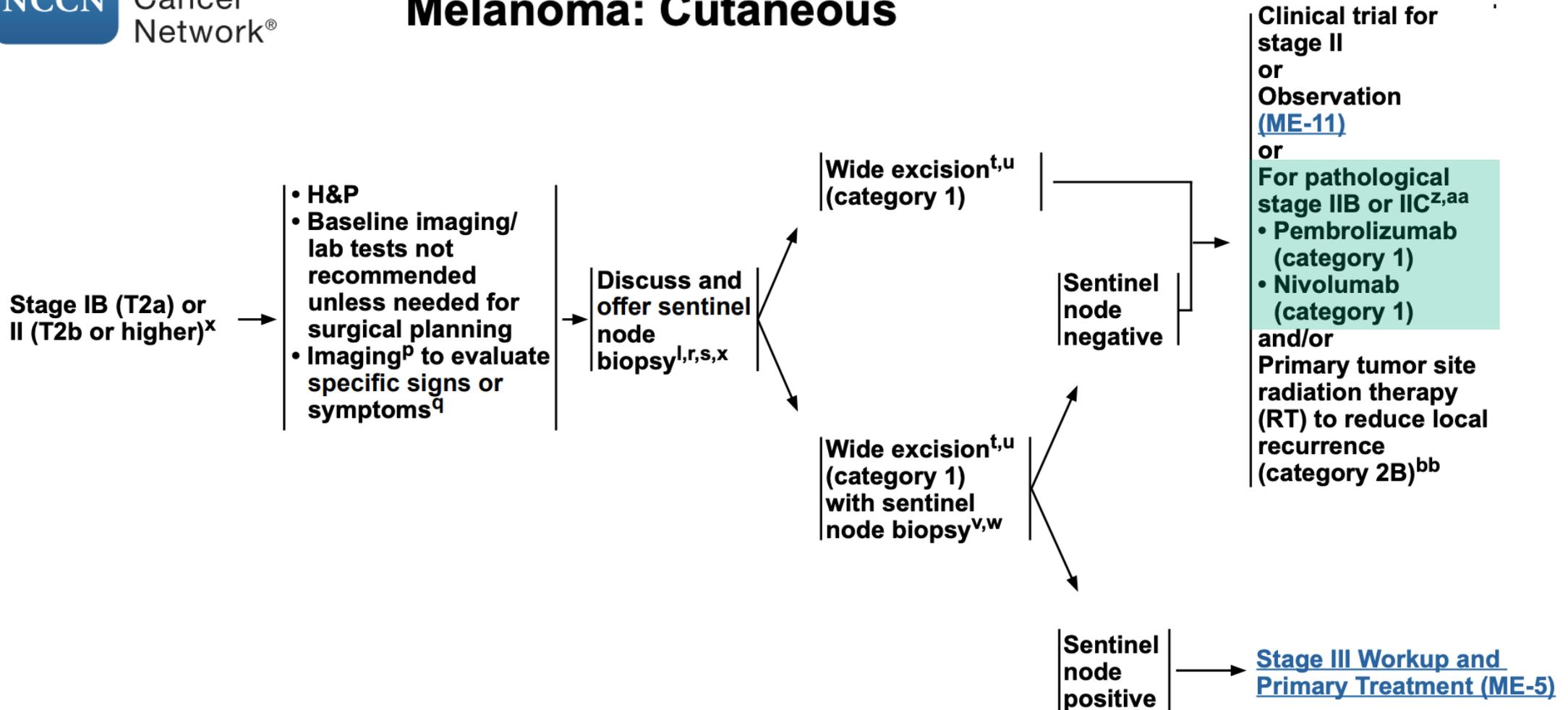
Adyuvancia con **pembrolizumab** en paciente con melanoma estadio IIB-IIC:

RAR=9,7%

Pembrolizumab versus placebo as adjuvant therapy in resected stage IIB or IIC melanoma: final análisis of distant metastasis-free survival in the phase III **KEYNOTE-716**. JJ Luke et al. J Clin Oncol 2024



NCCN Guidelines Version 2.2024 Melanoma: Cutaneous



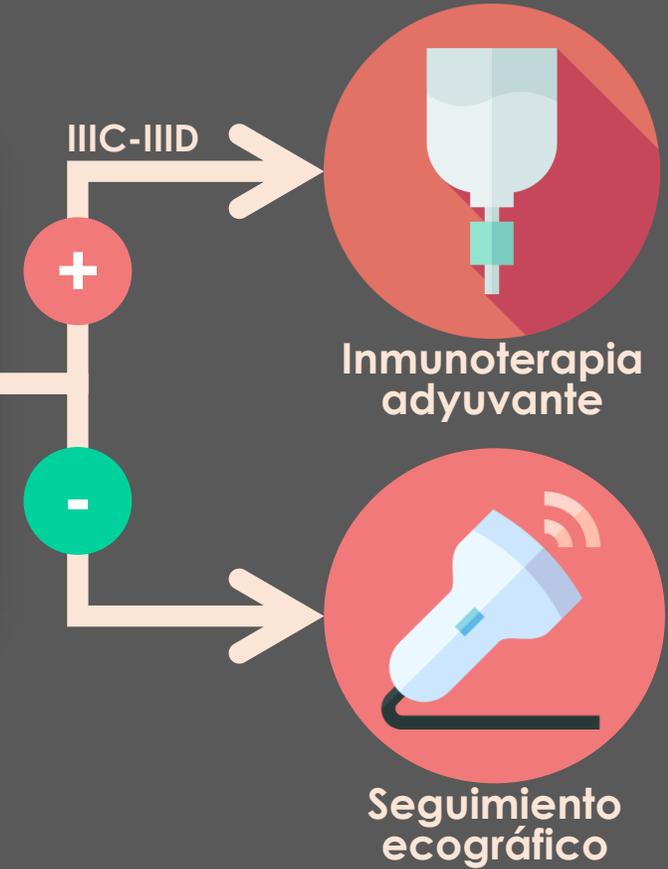
Pembrolizumab y nivolumab en monoterapia está indicado para el **tratamiento adyuvante** en adultos y adolescentes a partir de 12 años de edad con **melanoma en estadio IIB, IIC** o III y que hayan sido sometidos a resección completa



Estadio IIB-IIC



Biopsia Selectiva del Ganglio Centinela

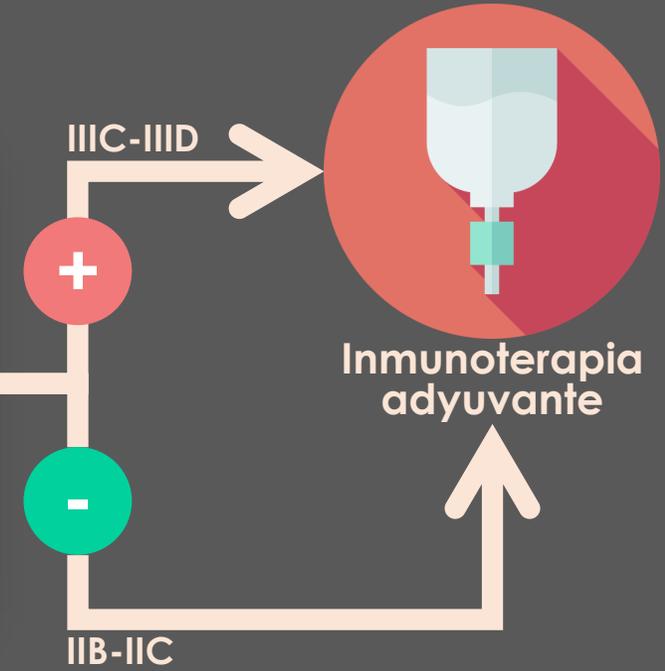




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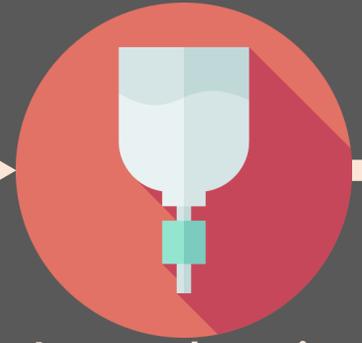


Biopsia Selectiva del Ganglio Centinela





Estadio IIB-IIC

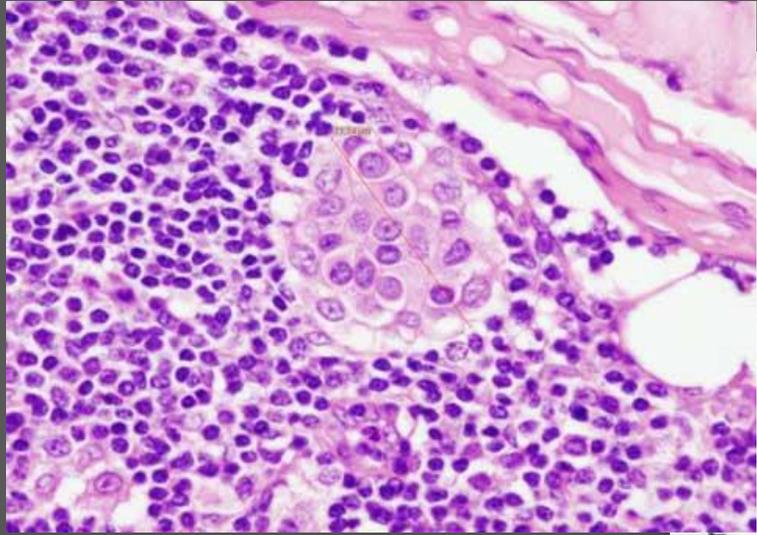


**Inmunoterapia
adyuvante**

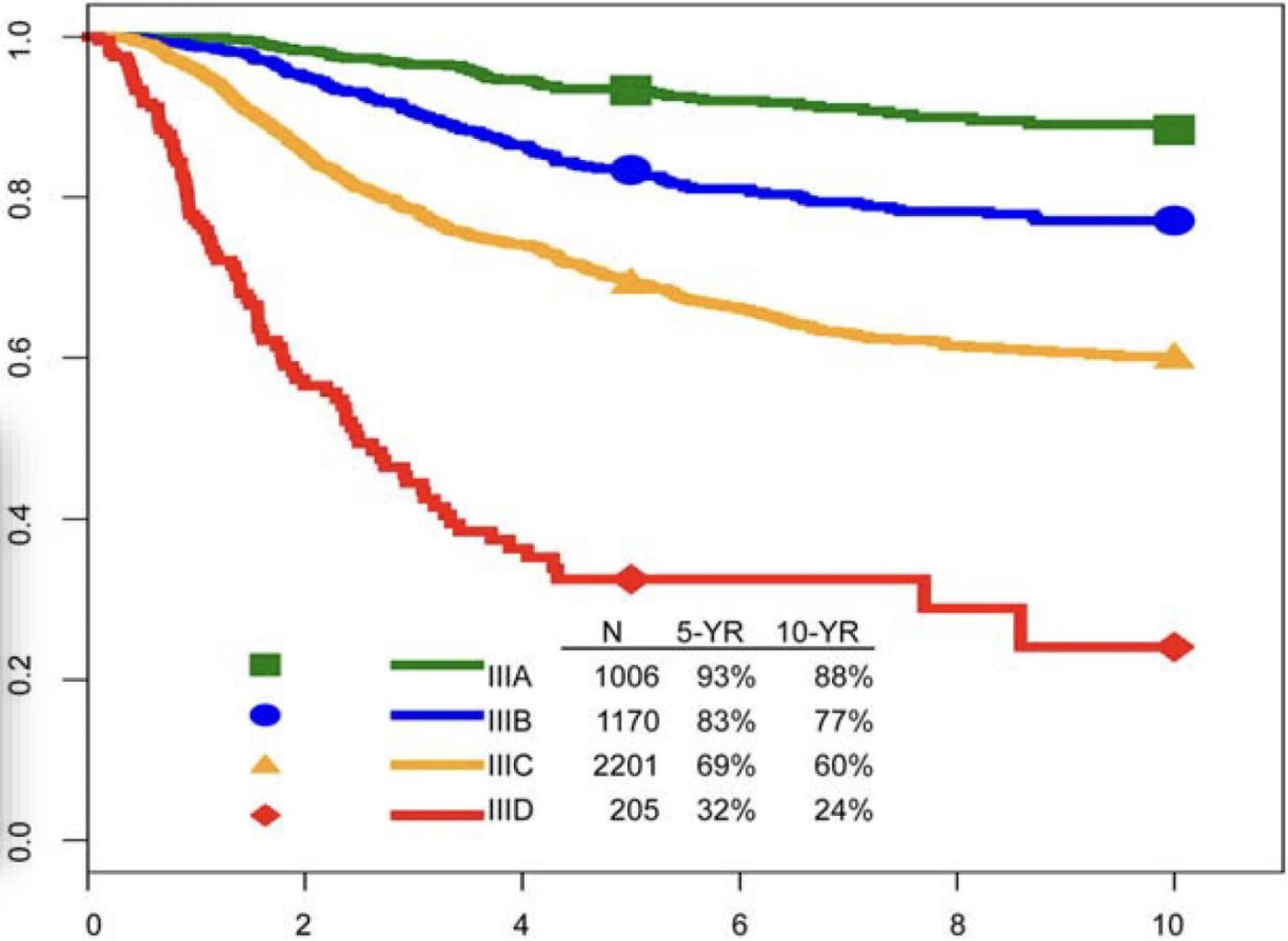


**Seguimiento
ecográfico**

Adyuvancia en el
paciente con metástasis
ganglionares resecaadas
estadio **IIIA-IIIC**



Estadio III



Indicaciones actuales de tratamiento adyuvante Estadio III

EADO Melanoma Guidelines
Eur J Cancer 2024 (in press)

Adjuvant therapy in stage
III/IV

Evidence-based recommendation

Level of recommendation A

Adjuvant therapy (anti-PD-1 or targeted therapy) shall be offered to all patients in stages IIIA – IIID and fully resected stage IV.

Adjuvant anti-PD-1 therapy can be offered to patients in stages IIIA – IIID and fully resected stage IV irrespective of the mutational status. Adjuvant BRAF/MEK inhibitor therapy can be offered to patients with BRAFV600 E/K mutation in stages IIIA – IIID.

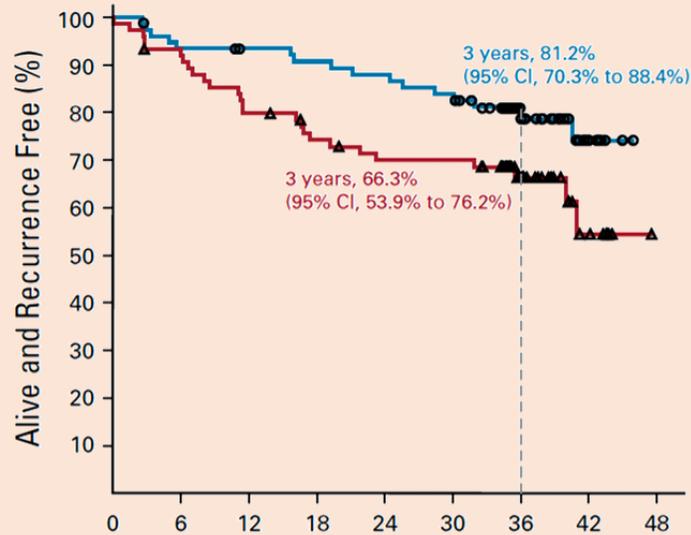
For stage IIIA with nodal metastasis of less than 1 mm in diameter, the risk/benefit ratio should be carefully discussed with the patient.

Level of evidence: 1b

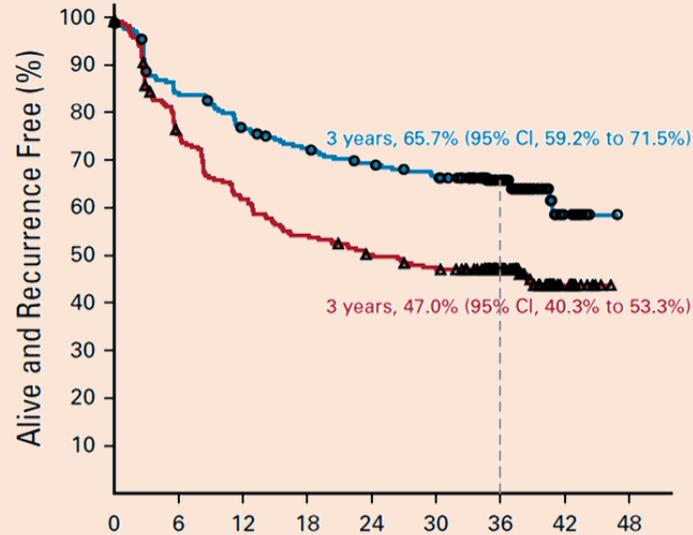
De novo literature research [69–71]
Consensus rate: 100%

Adyuvancia estadio III

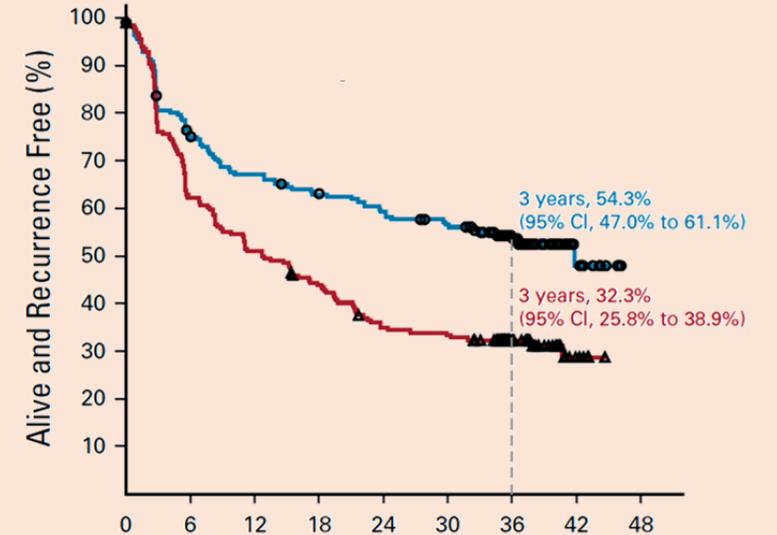
Pembrolizumab vs placebo



Estadio IIIA



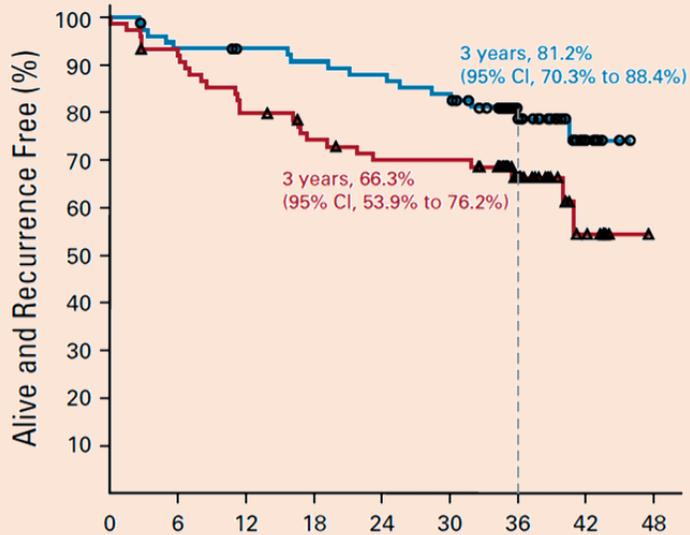
Estadio IIIB



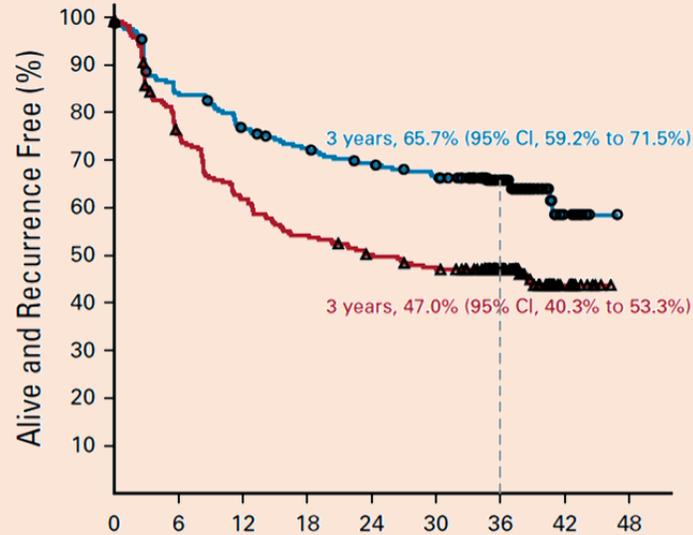
Estadio IIIC

Adyuvancia estadio III

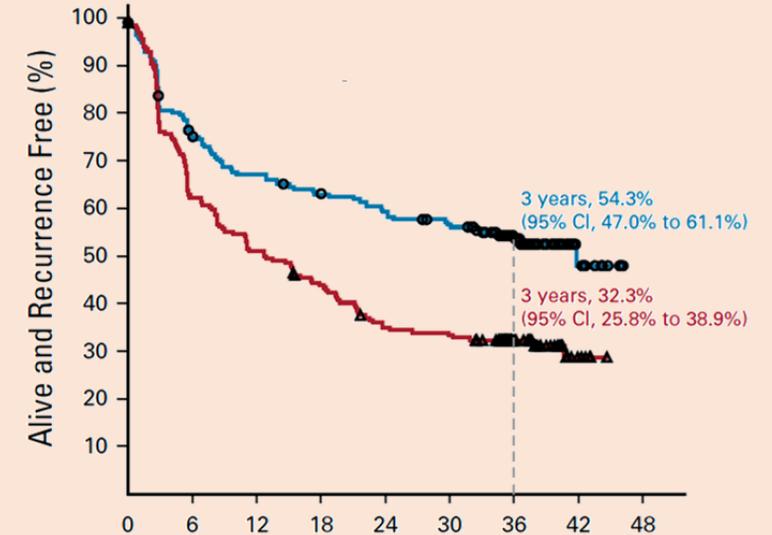
Pembrolizumab vs placebo



Estadio IIIA
RAR=14,9%
NNT=6,7



Estadio IIIB
RAR=18,7%
NNT=5,3

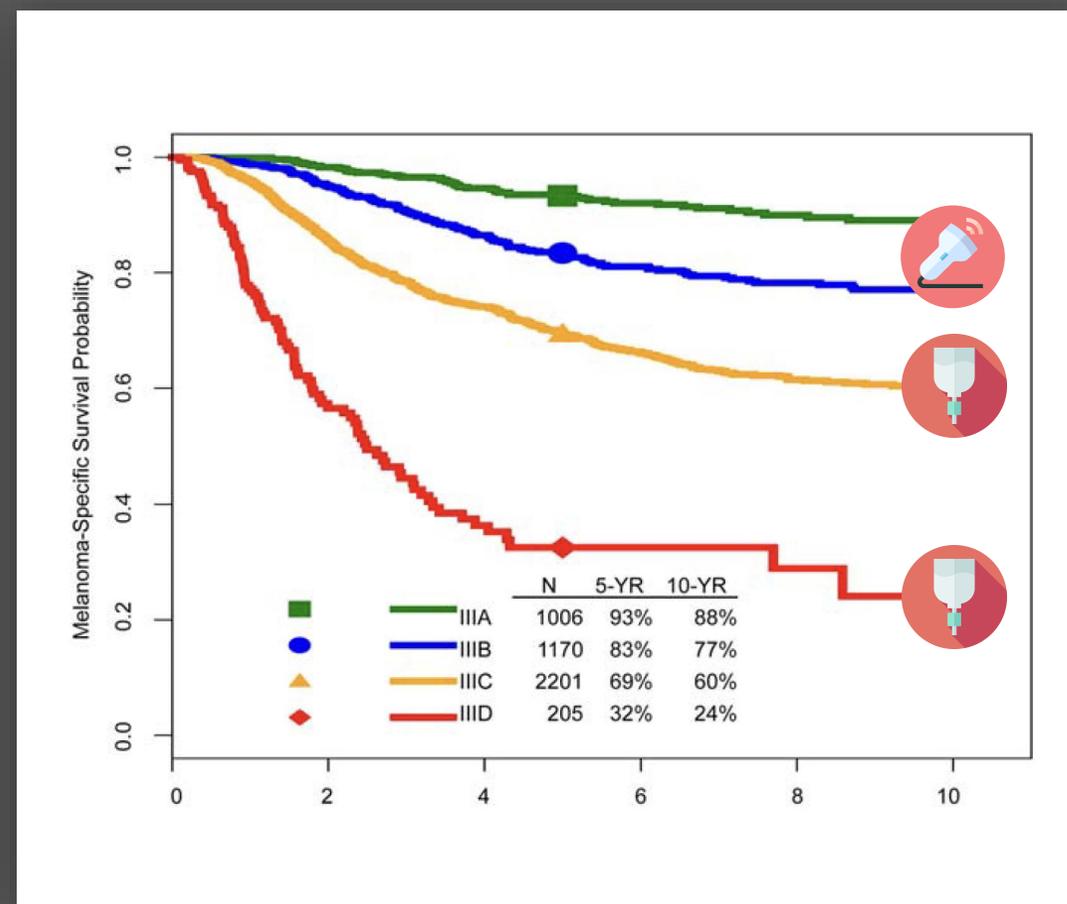


Estadio IIIC
RAR=22,0%
NNT=4,5

Informe de Posicionamiento Terapéutico

Pembrolizumab, nivolumab

La Dirección General de Cartera Común de Servicios del SNS y Farmacia ha emitido resolución de **financiación para** la indicación de **nivolumab y pembrolizumab** en monoterapia para el tratamiento **adyuvante** en adultos con melanoma con **estadios IIIC y IIID** o enfermedad metastásica que hayan sido sometidos a resección completa.



Pacientes:

- Melanoma estadio **IIIC-IIID**
- Libres de enfermedad
- ECOG-PS 0-1
- Sin enfermedad autoinmune
- 52 semanas de seguimiento

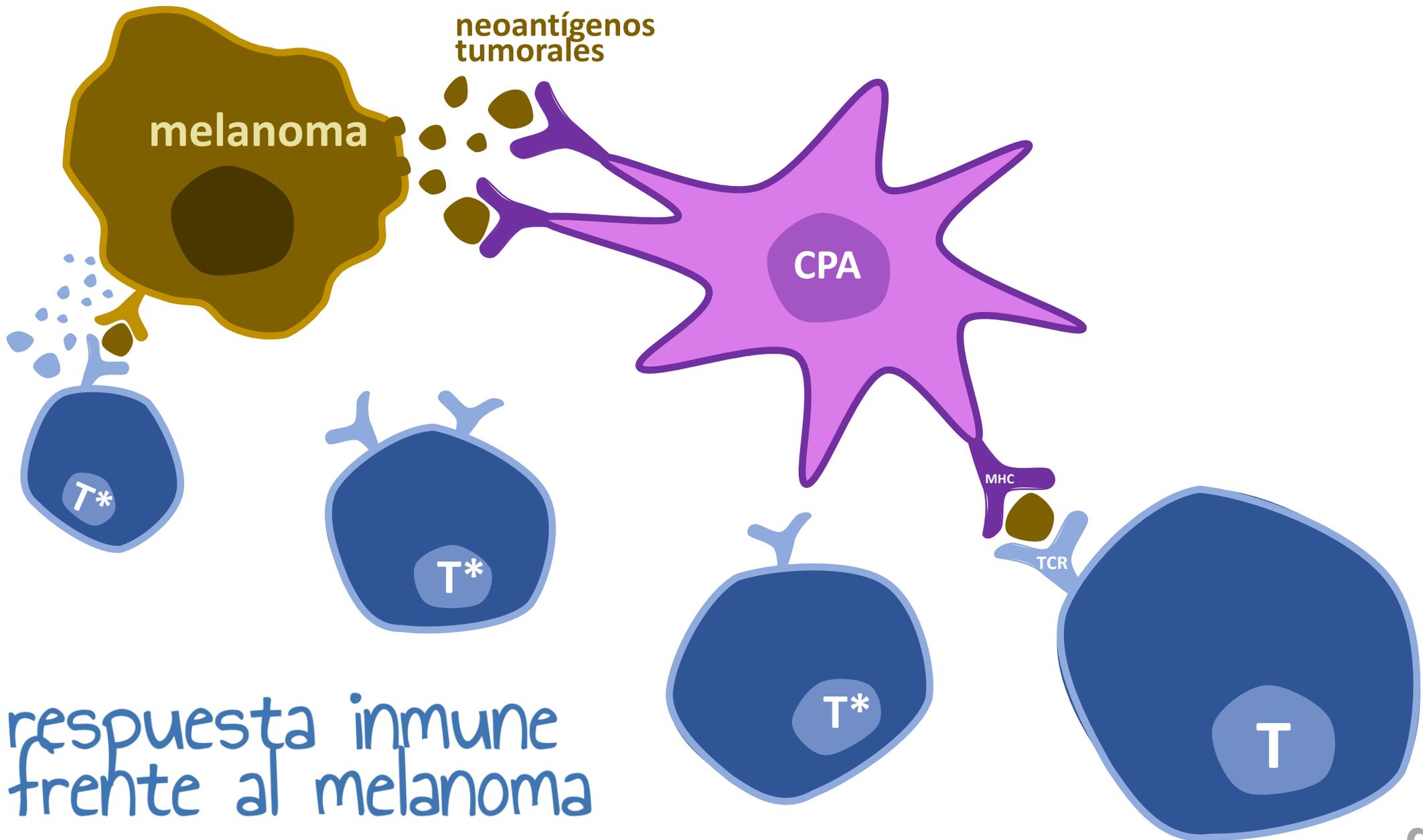
Pembrolizumab iv
200mg cada 3 semanas o
400 mg cada 6 semanas

Nivolumab iv
240 mg cada 2 semanas o
480 mg cada 4 semanas

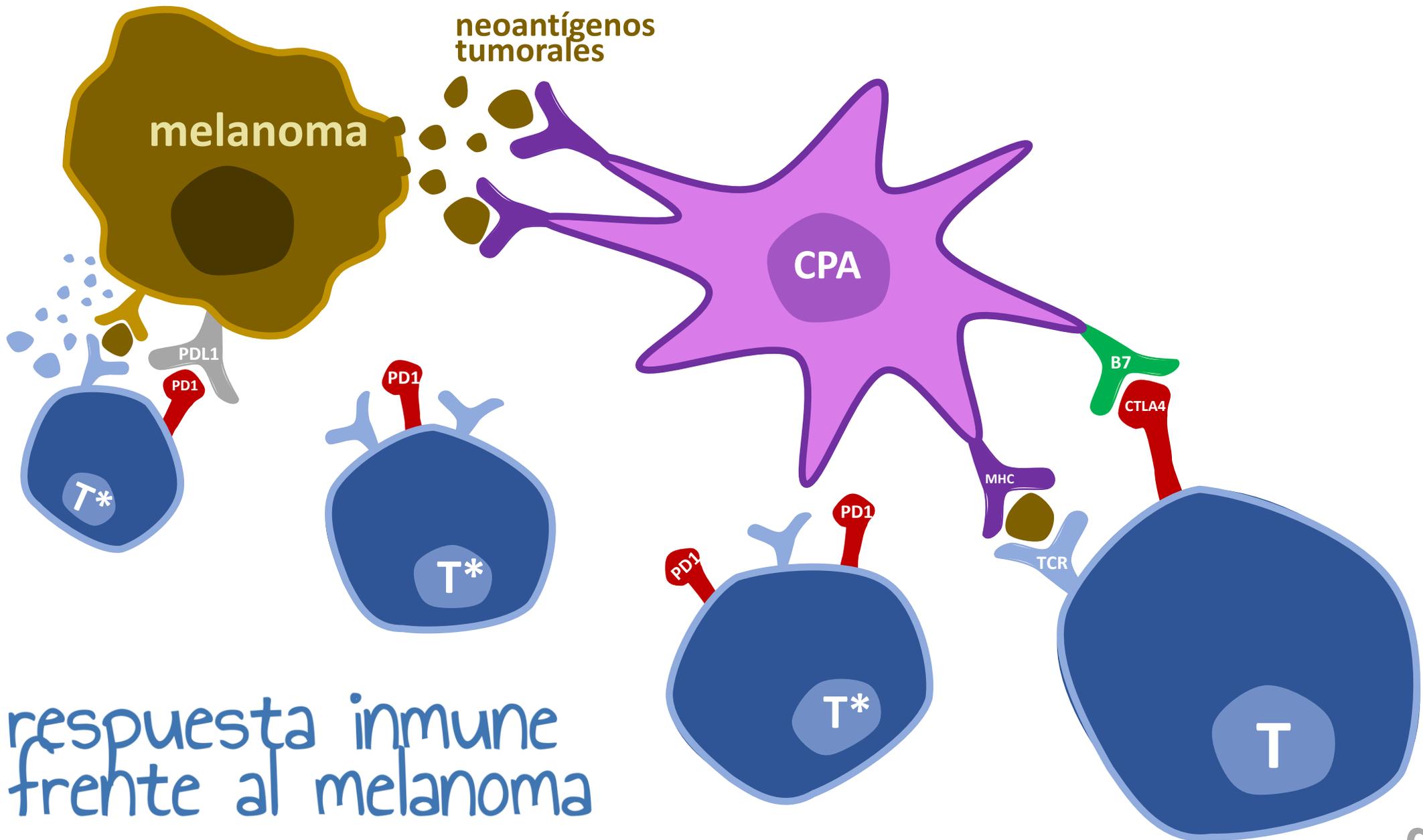
¿Cómo
podemos
mejorar los
resultados de la
inmunoterapia
adyuvante?



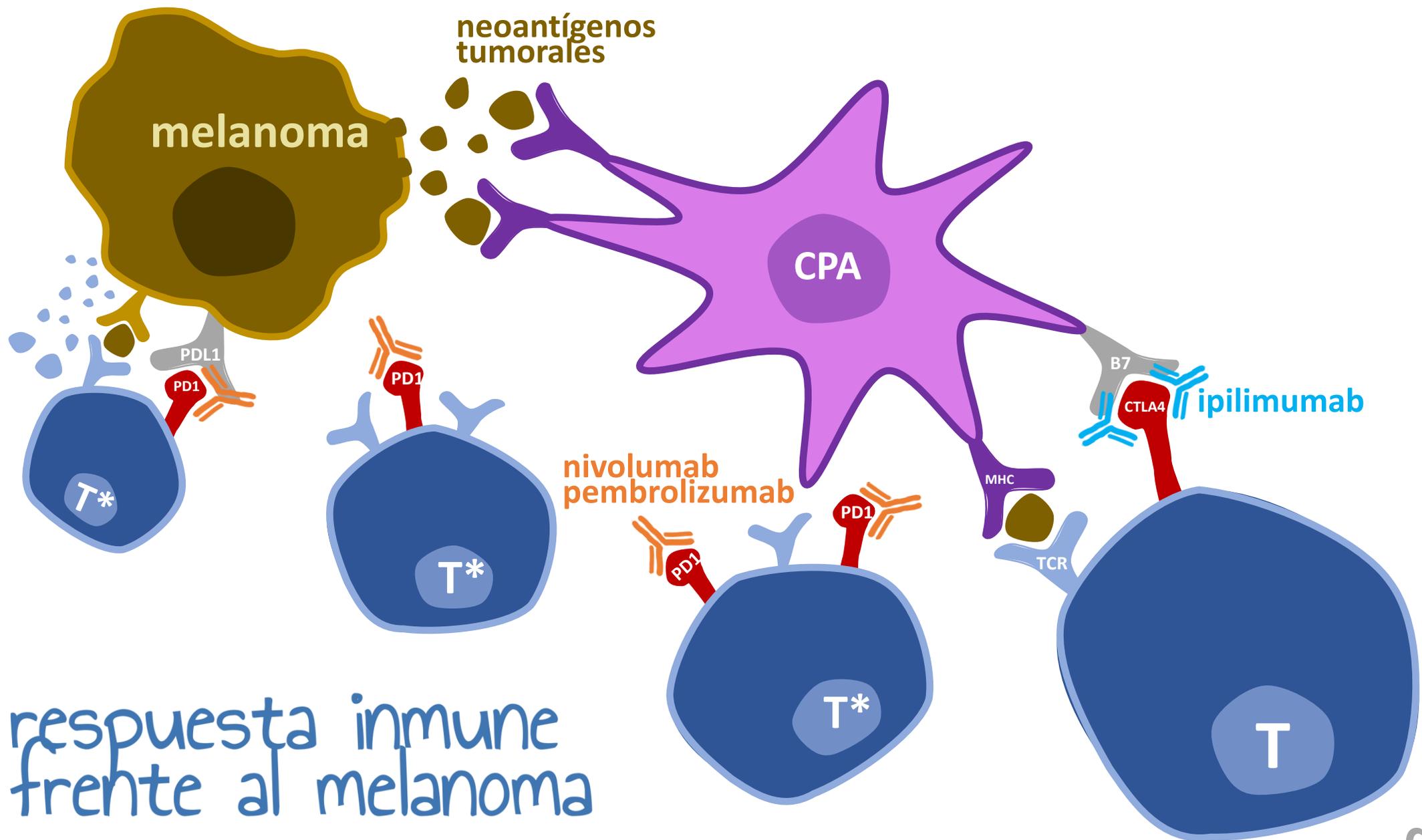
The New Pupil. Thomas Brooks 1854



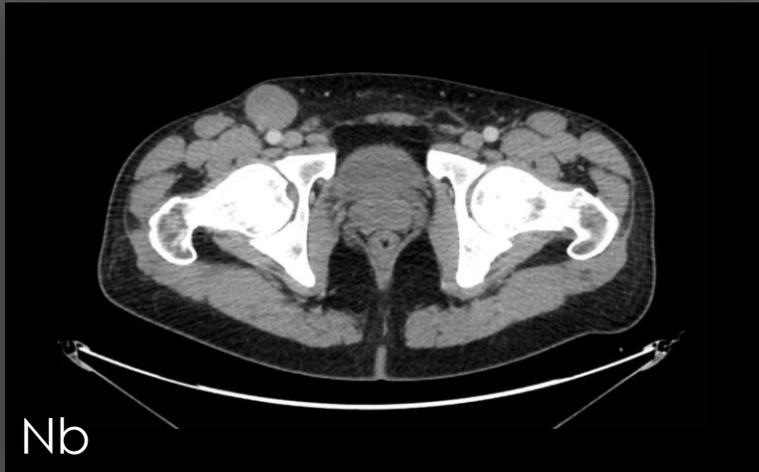
respuesta inmune
frente al melanoma



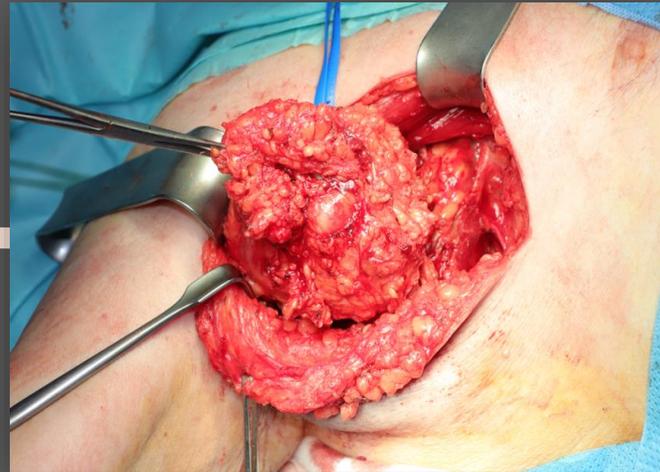
respuesta inmune
frente al melanoma



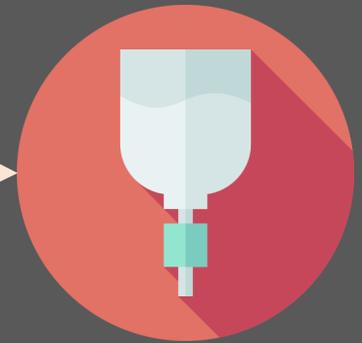
respuesta inmune frente al melanoma



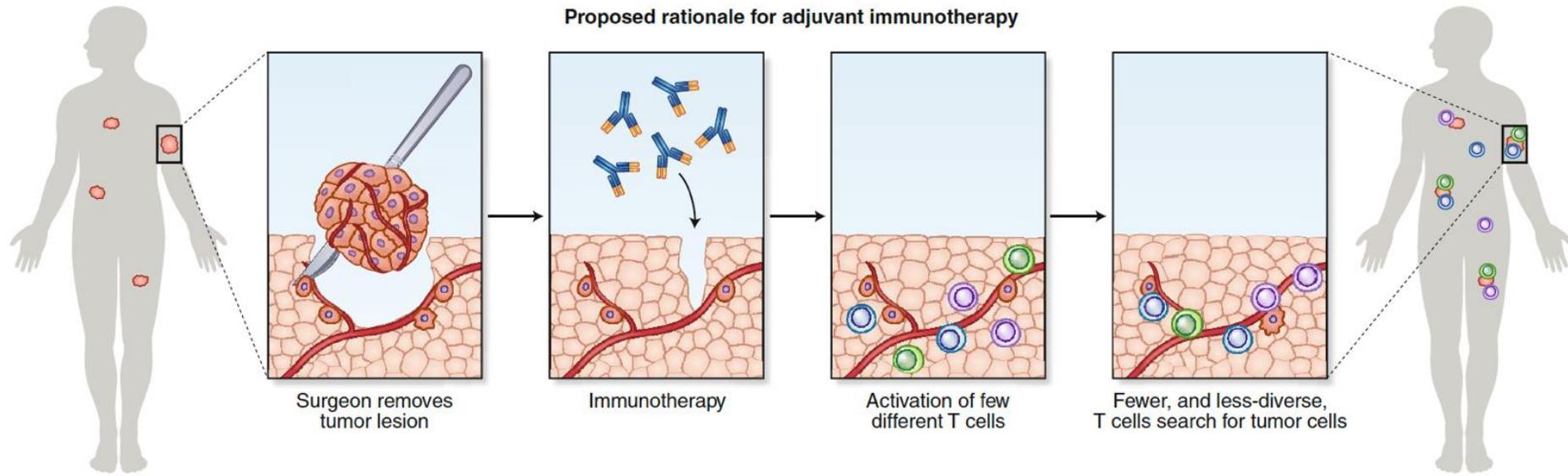
Estadio IIIB-IIIC

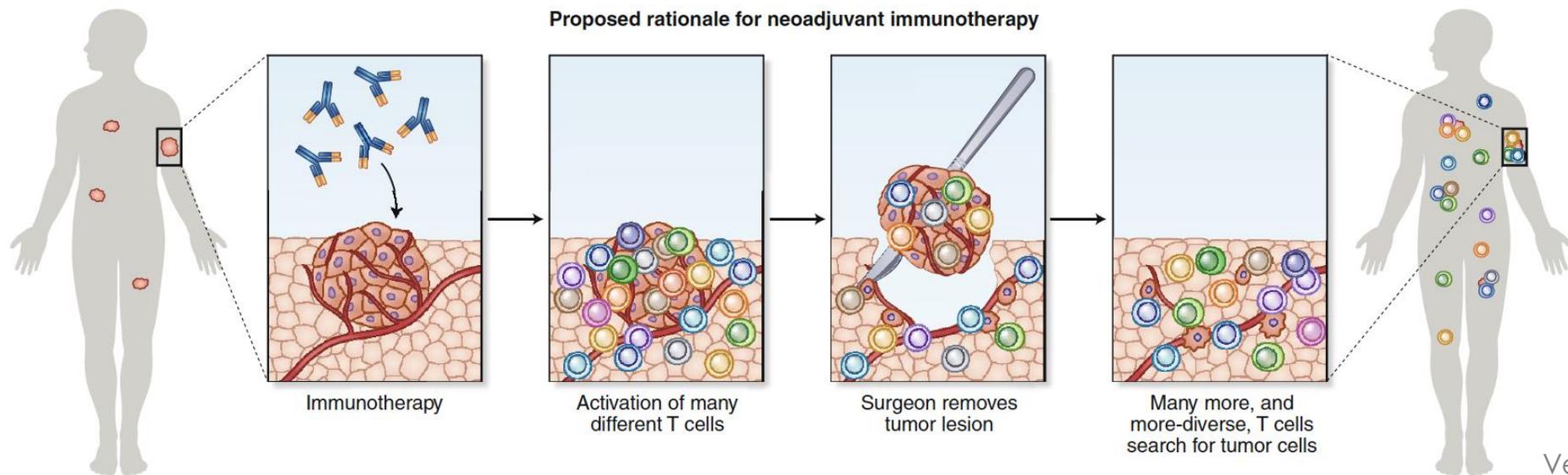
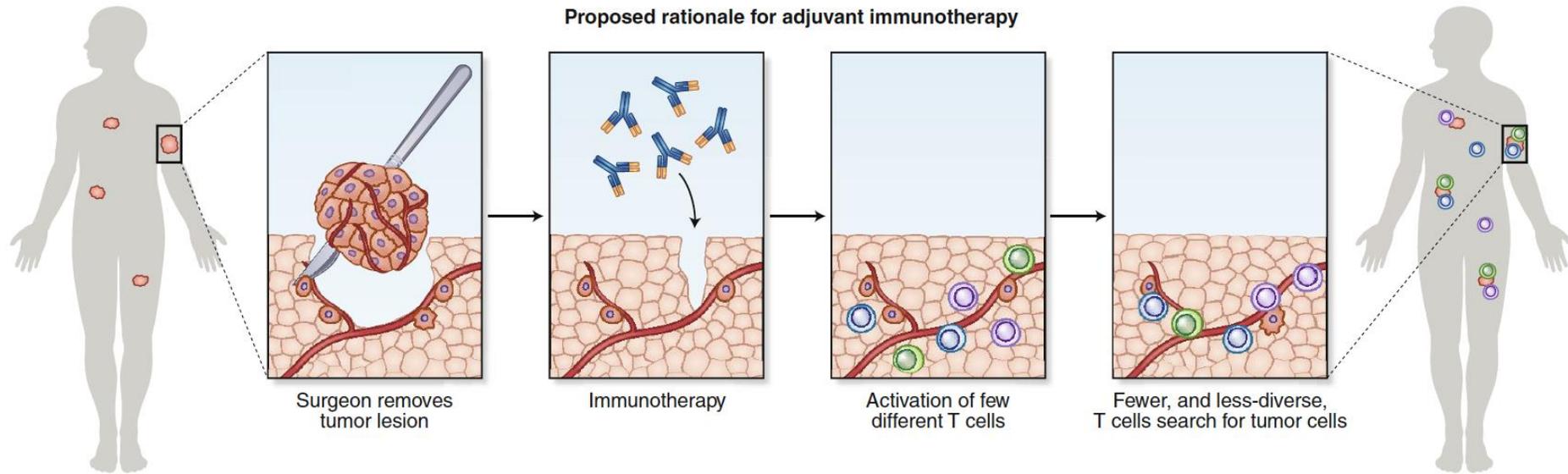


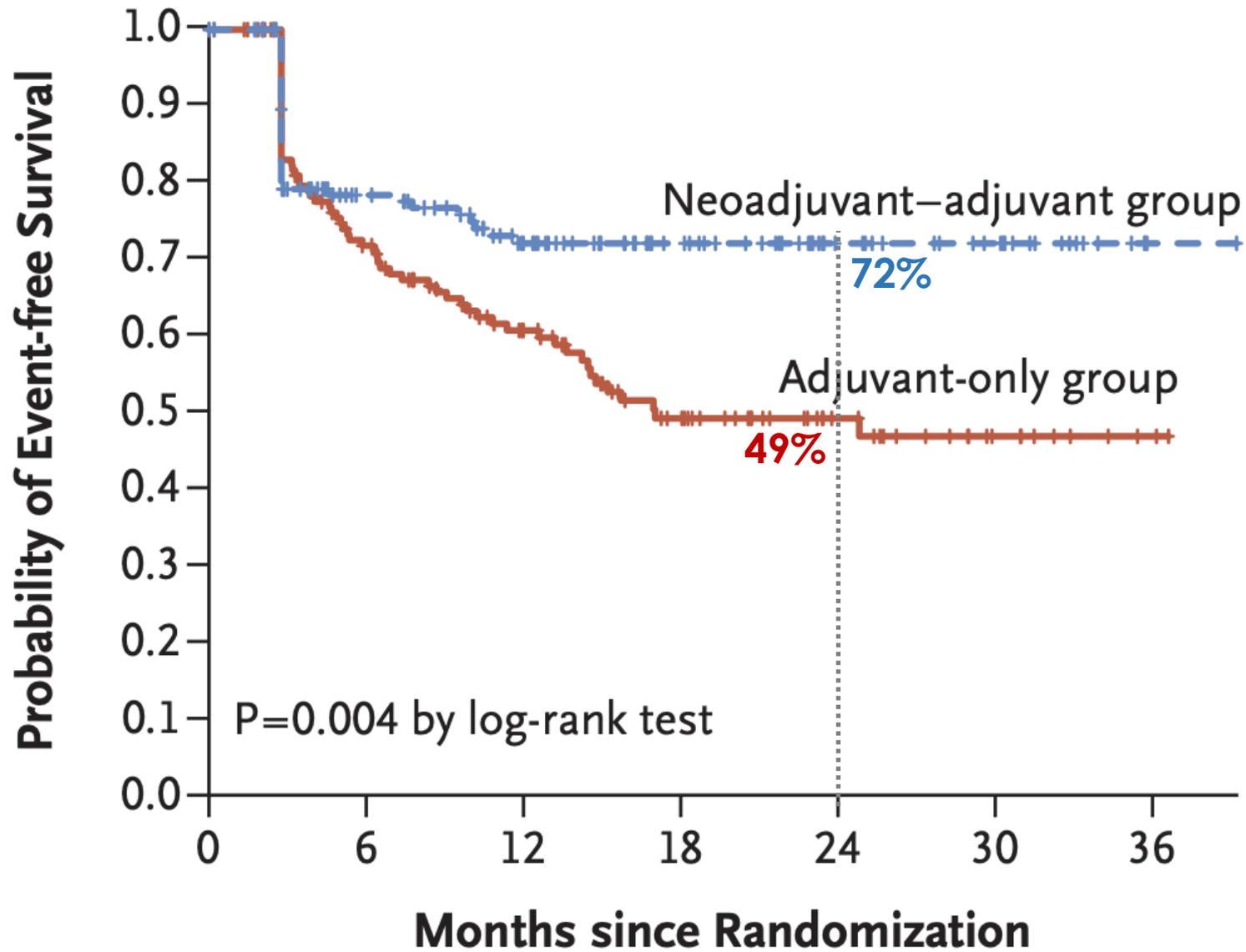
Disección Ganglionar Completa



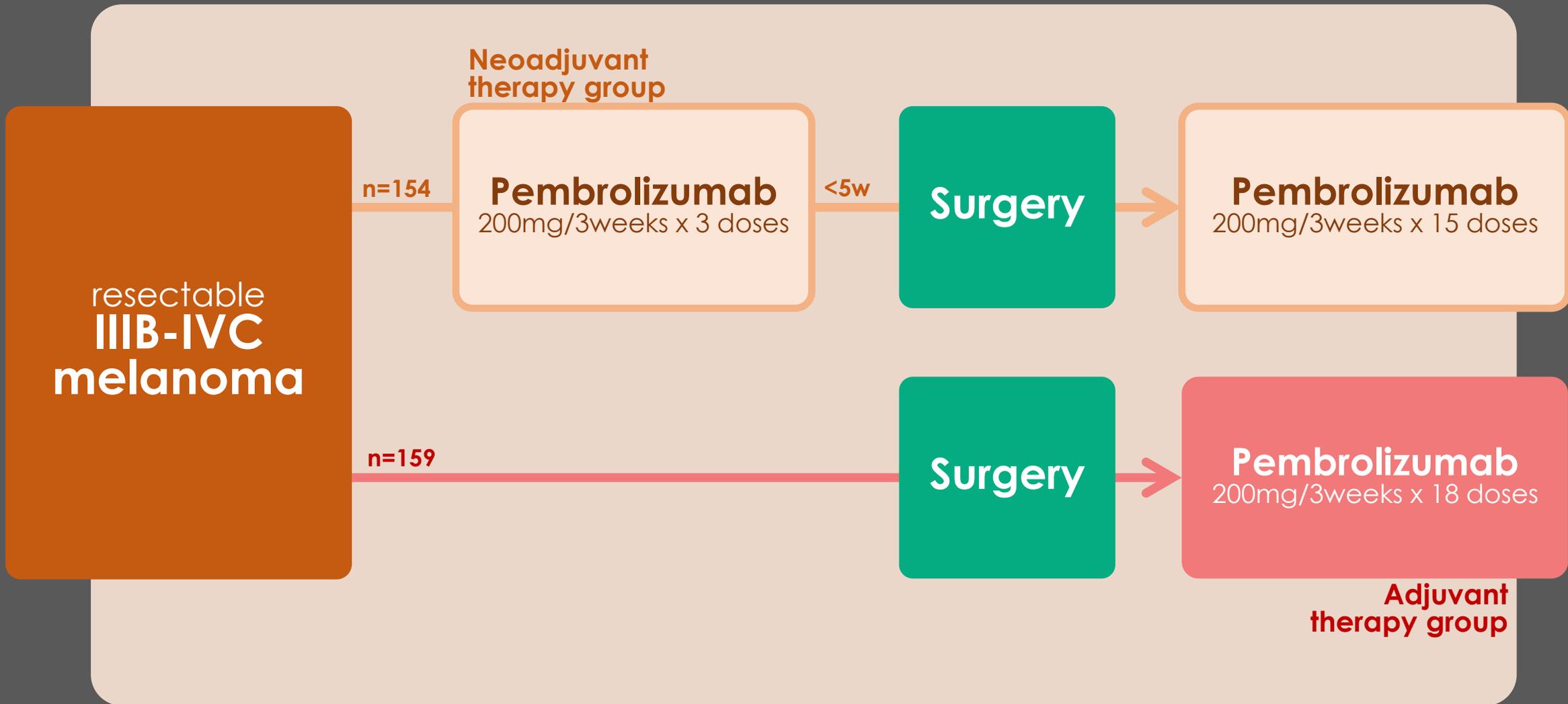
Inmunoterapia adyuvante







Neoadjuvant-Adjuvant
or Adjuvant-Only
Pembrolizumab in
Advanced Melanoma
Patel. NEJM 2023

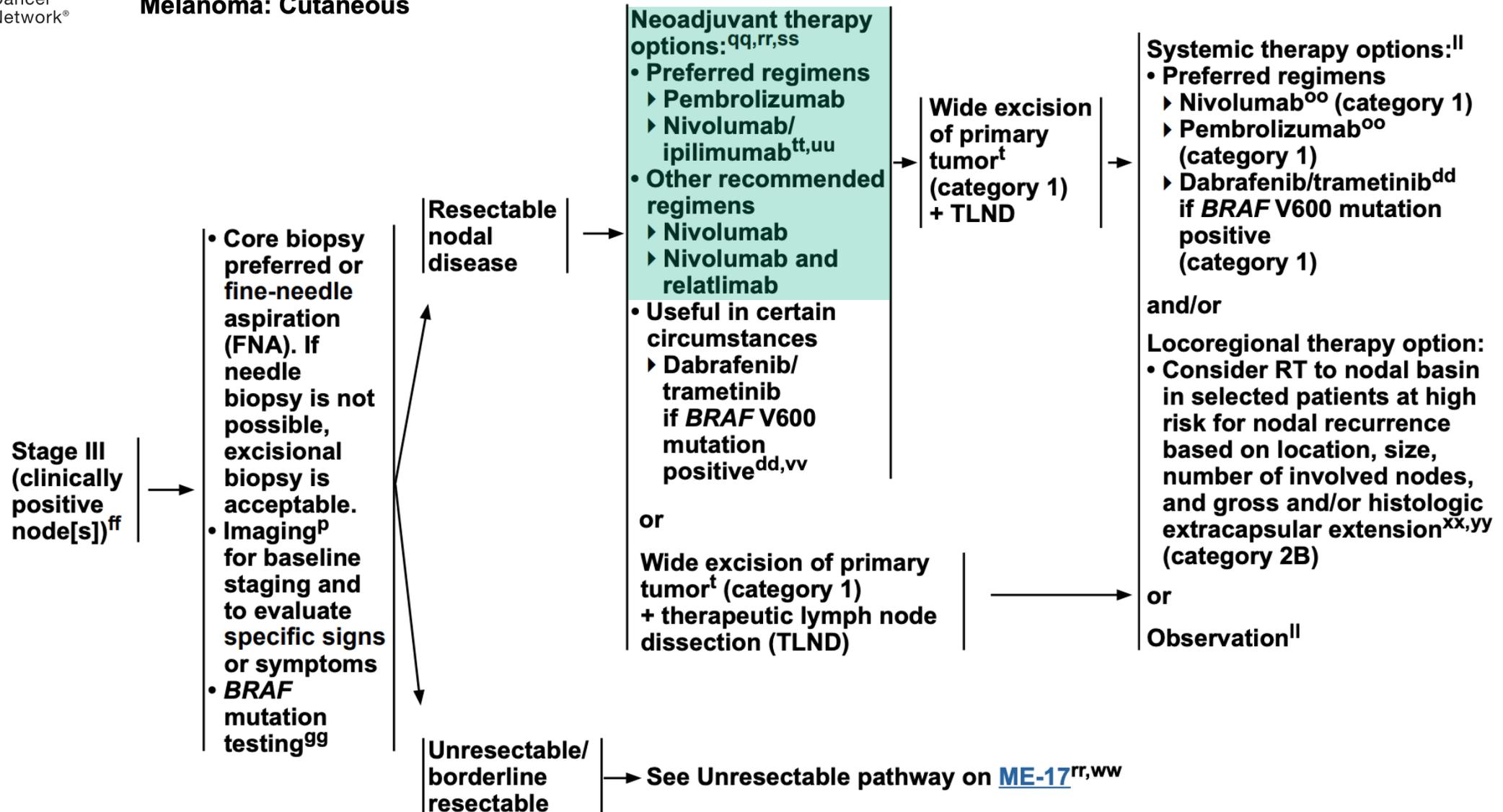


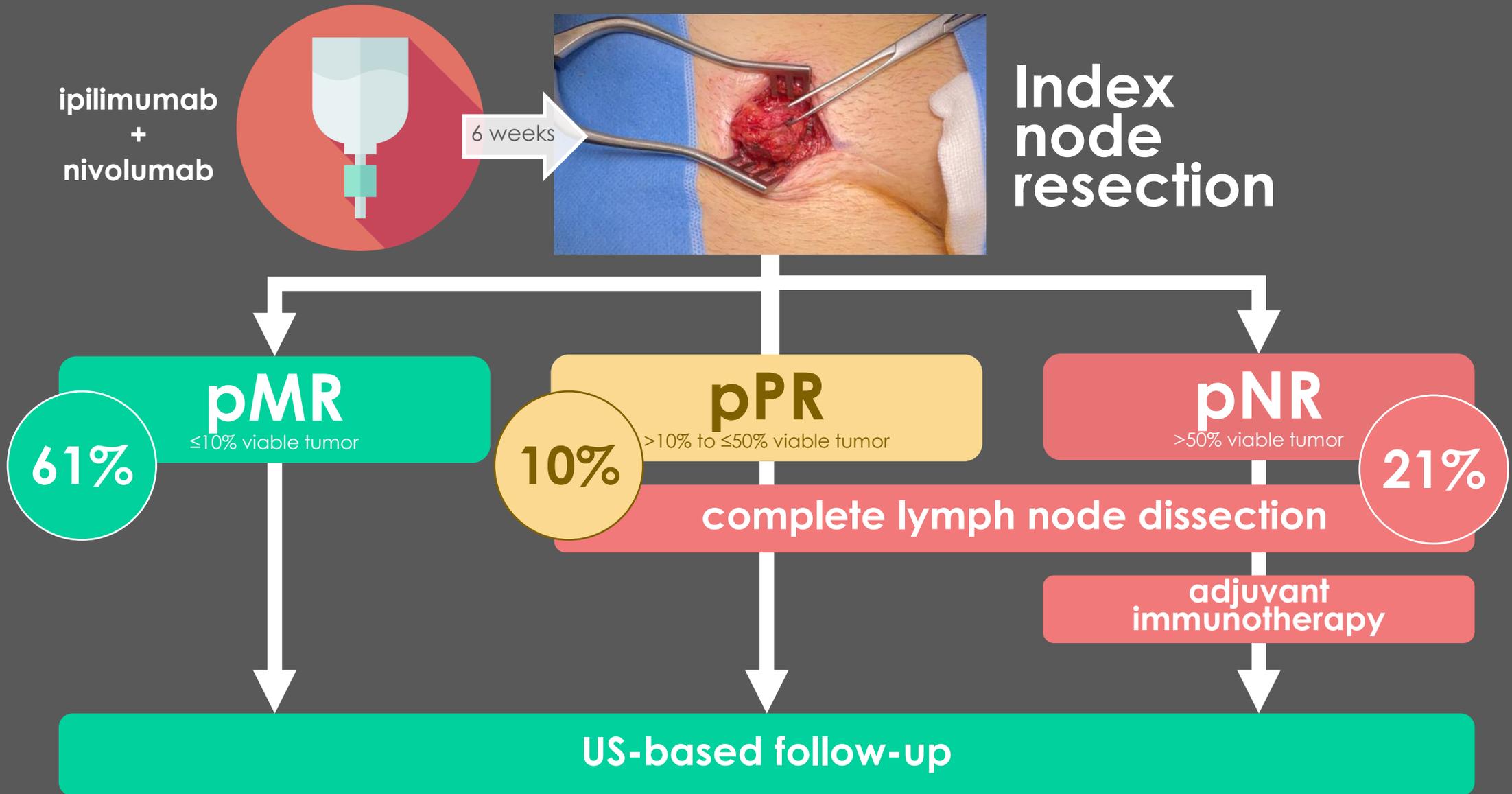
Neoadjuvant–Adjuvant or Adjuvant-Only Pembrolizumab in Advanced Melanoma. Patel. NEJM March 2023

**NCCN Guidelines Version 2.2024
Melanoma: Cutaneous**

PRIMARY TREATMENT

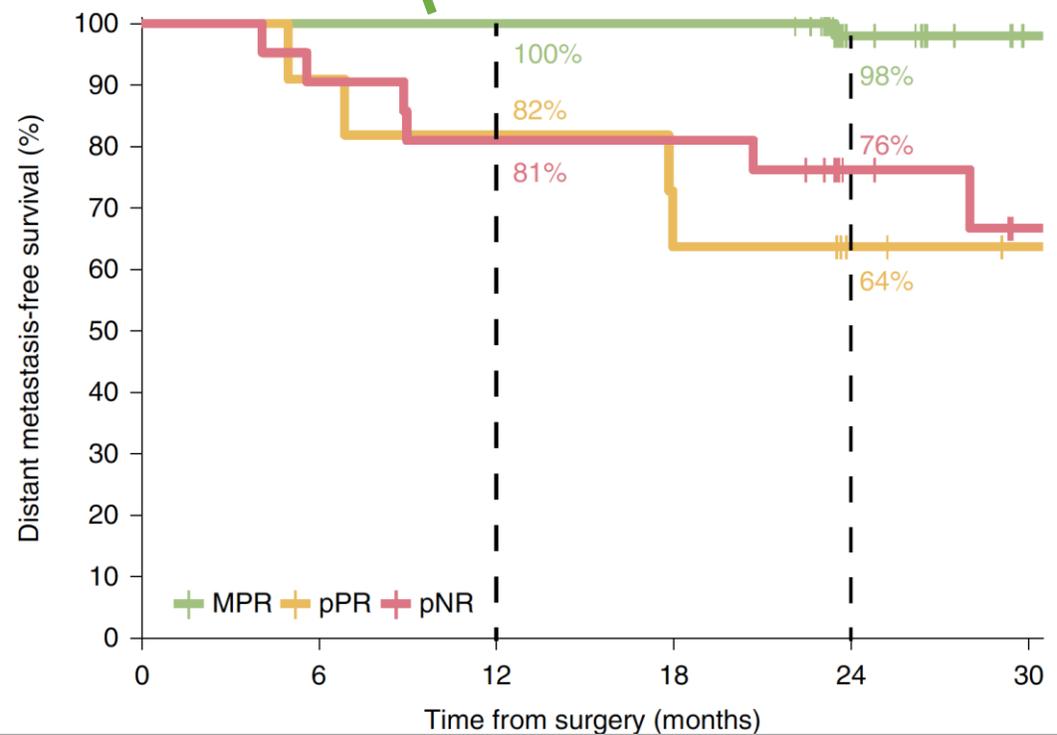
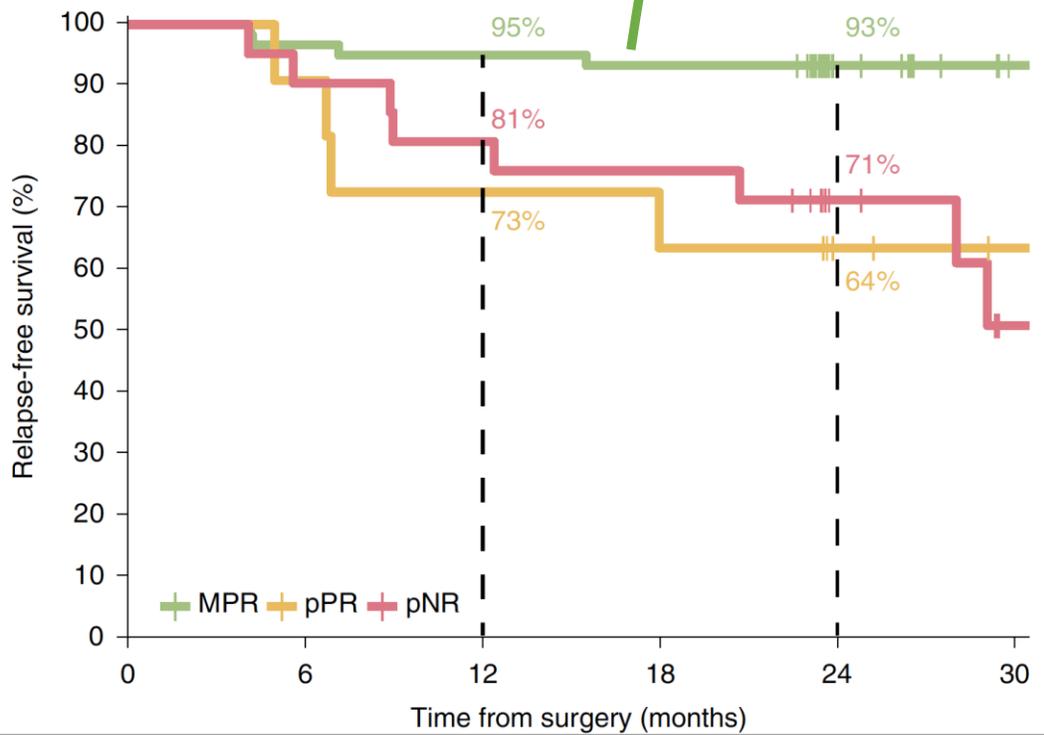
ADJUVANT TREATMENT





Reijers et al. Personalized response- directed surgery and adjuvant therapy after neoadjuvant ipilimumab and nivolumab in high-risk stage III melanoma: the PRADO trial. Nature Medicine 2022

In patients achieving MPR, CLND might be safely replaced by ILND



Reijers et al. Personalized response- directed surgery and adjuvant therapy after neoadjuvant ipilimumab and nivolumab in high-risk stage III melanoma: the PRADO trial. Nature Medicine 2022

La inmunoterapia neoadyuvante debe incorporarse como estándar de tratamiento del paciente con melanoma metastásico

From the:
EADO, EORTC, INMC, MWS
Garbe et al. Nature Med may 2023

Comment

<https://doi.org/10.1038/s41591-023-02336-1>

Neoadjuvant immunotherapy for melanoma is now ready for clinical practice

Claus Garbe, Reinhard Dummer, Teresa Amaral, Rodabe N. Amaria, Paolo A. Ascierto, Elizabeth M. Burton, Brigitte Dreno, Alexander M. M. Eggermont, Axel Hauschild, Christoph Hoeller, Roland Kaufmann, Celeste Lebbe, Mario Mandala, Alexander M. Menzies, David Moreno, Olivier Michielin, Paul Nathan, Sapna P. Patel, Caroline Robert, Dirk Schadendorf, Paul C. Lorigan, Richard A. Scolyer, Hussein A. Tawbi, Bart A. van de Wiel, Christian Blank & Georgina V. Long

 Check for updates

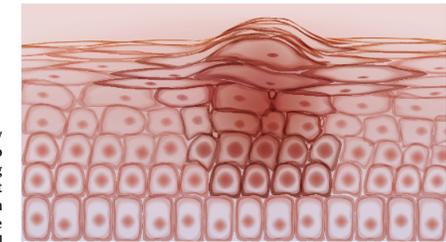
Individuals with cutaneous melanoma who are treated with neoadjuvant immunotherapy show a substantial improvement; this should be incorporated into standard care.

Neoadjuvant therapy – the use of chemotherapy and/or radiotherapy before a primary course of treatment – was originally developed to improve the operability of tumors, for example in breast cancer, lung cancer and sarcomas. With the advent of systemic immune-checkpoint inhibitors, however, the role of neoadjuvant therapy has undergone a seismic shift. The ability of checkpoint inhibitors to elicit an immune response to cancer cells has implications for long-term tumor control and survival that are optimized when these drugs are administered prior to resection, and go far beyond improved operability^{1–3}.

In a landmark paper, tumor-resident T cell clones were shown to increase in diversity and amplitude in peripheral blood to a much greater extent following neoadjuvant treatment with ipilimumab plus nivolumab, as compared with the same drug regimen given as adjuvant therapy (post-surgery)⁴. Similarly, in the randomized SWOG S1801 trial, patients with resectable stage III or IV melanoma received either the approved standard Keynote-054 adjuvant regimen of 18 doses of pembrolizumab after lymph-node dissection⁵, or the first 3 doses before surgery and the remaining 15 doses after surgery; the latter resulted in a 42% reduction in the risk of relapse⁶.

This is a remarkable outcome. Compared with placebo, the currently approved adjuvant pembrolizumab regimen also elicits a 42% reduction in the risk of relapse compared with no therapy⁷. Therefore, taken together, the combined neoadjuvant plus adjuvant SWOG S1801 regimen offers an approximate 65% reduction in the relative risk of relapse compared with surgery alone (the combined hazard ratio (HR) from both trials was 0.35).

Results from several early studies of neoadjuvant therapy for resectable metastatic melanoma have also shown greater event-free and recurrence-free landmark survival rates compared with adjuvant therapy^{8–10}. The past decade has seen numerous drug developments and approvals in advanced and resectable melanoma, emerging largely from trials sponsored by the pharmaceutical industry. The neoadjuvant case is different. To date, the results have mostly been generated by investigator-initiated academic trials, and it is unlikely that pharmaceutical companies will conduct the large studies that are traditionally required to obtain regulatory approval for neoadjuvant therapy. The result is a lack of appropriate drug-approval pathways to a highly



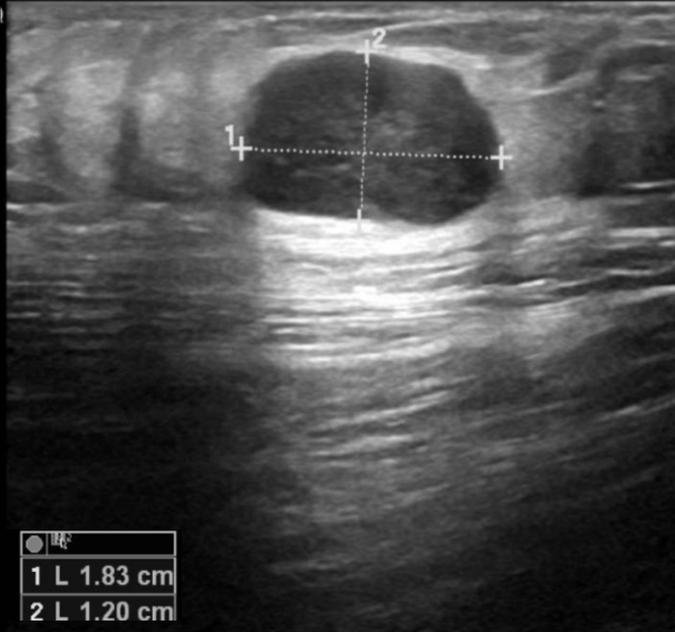
effective treatment approach, which leads to an important question: can neoadjuvant therapy be used in practice without the approval of healthcare regulators?

Survival benefits

Results from two prospective phase 2 randomized trials of neoadjuvant therapy in melanoma have been reported so far, focusing on individuals with macroscopic lymph-node metastases or in-transit metastases^{6,11}. The aim of these trials was to determine whether neoadjuvant therapy improves disease-free survival and/or overall survival; however, only one compared neoadjuvant therapy with adjuvant therapy – the aforementioned SWOG S1801 trial (ClinicalTrials.gov identifier NCT03698019)⁶. In addition, a phase 3 trial of two cycles of neoadjuvant nivolumab (3 mg kg⁻¹) combined with ipilimumab (1 mg kg⁻¹) versus standard adjuvant nivolumab in biopsy-proven resectable clinical stage III melanoma is underway (the NADINA trial; NCT04949113).

In the SWOG S1801 trial, 18 cycles of 200 mg pembrolizumab (a flat dose) were administered every three weeks to 313 patients with resectable stage IIIB–IV melanoma. In one group, three cycles of pembrolizumab were administered as neoadjuvant therapy, followed by an additional 15 cycles post-operatively. In the other group, surgical therapy was carried out upfront, followed by all 18 cycles of pembrolizumab post-operatively. With a median follow-up of 14 months, there was a remarkable difference in event-free survival: the two-year estimated event-free survival was 72% in the neoadjuvant group and 49% in the adjuvant group (HR = 0.58, *P* = 0.004). With only 36 deaths reported, the overall survival benefit is not yet clear (HR = 0.63, *P* = 0.18)⁶.

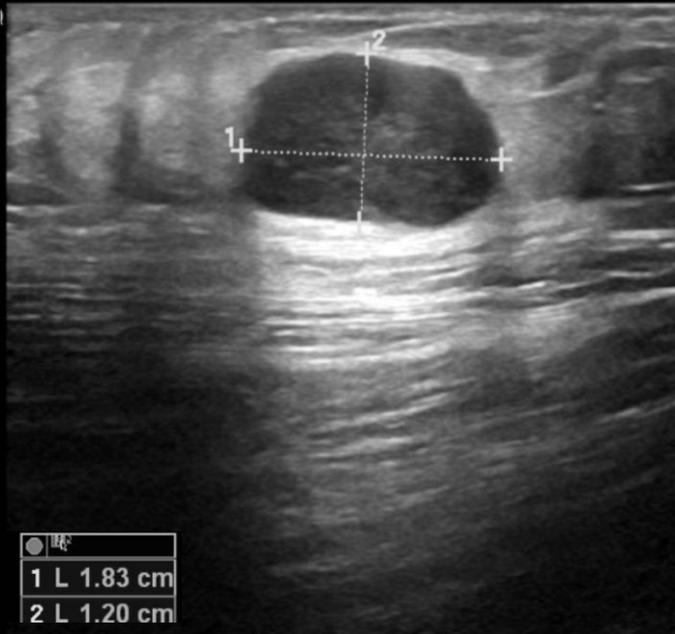
Mujer, 49 años
Melanoma IIIB
T2aN2bM0



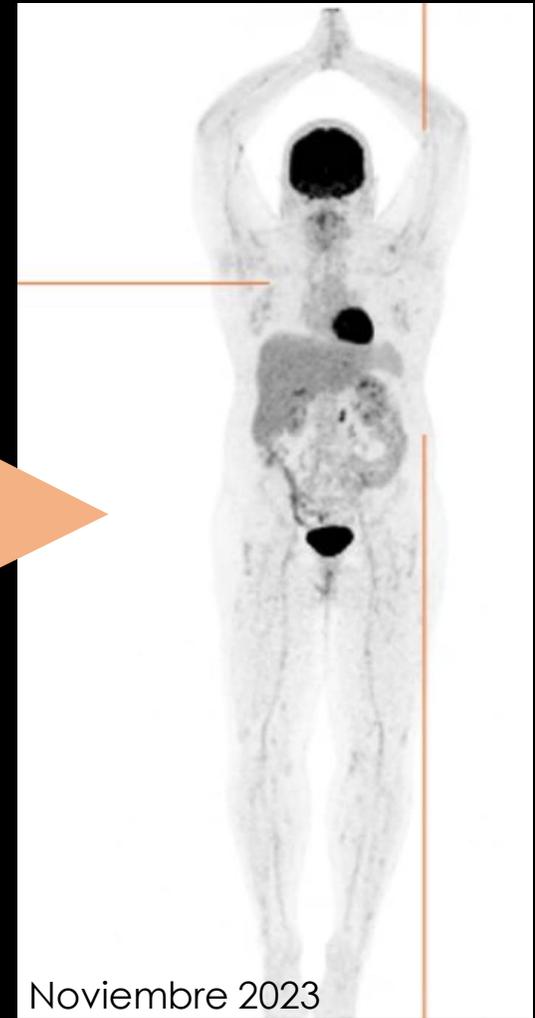
Mujer, 49 años

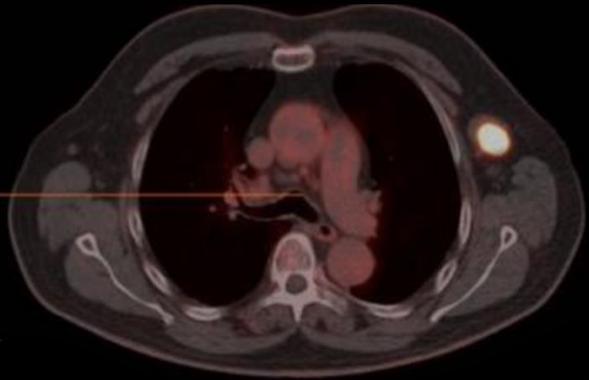
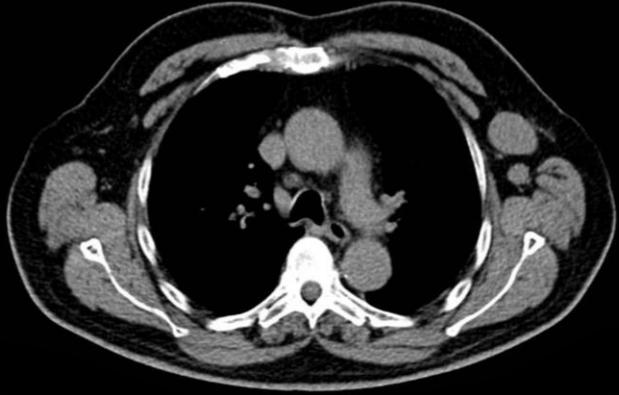
Melanoma IIIB

T2aN2bM0

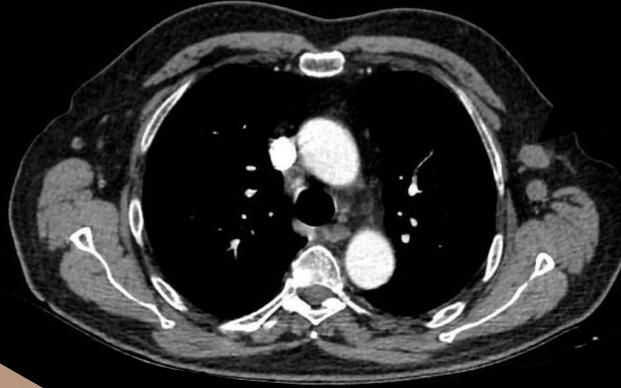
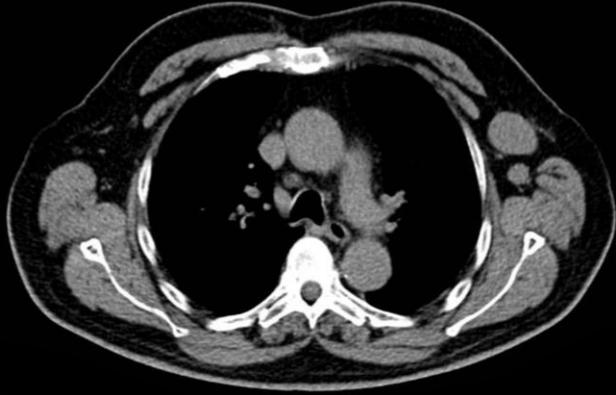


Pembrolizumab
200mg/3 semanas x 3 dosis

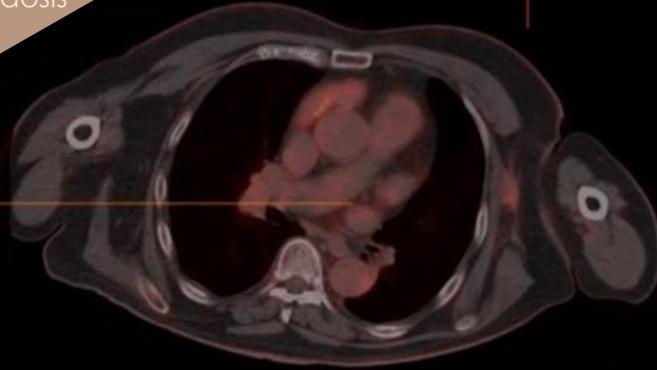
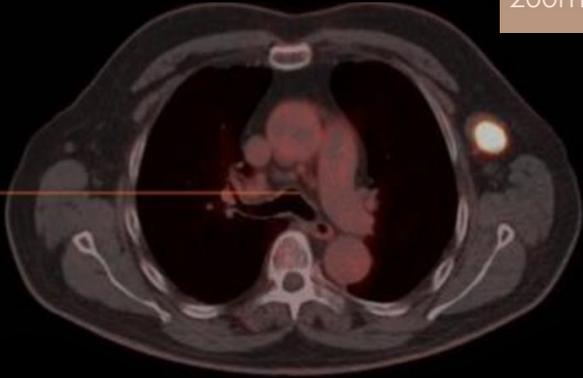




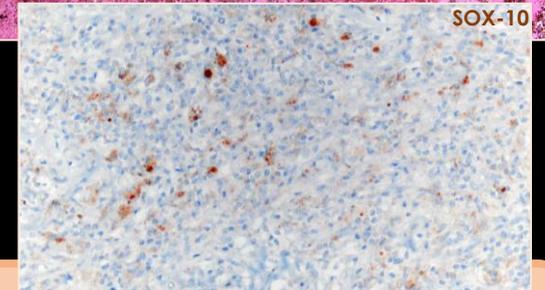
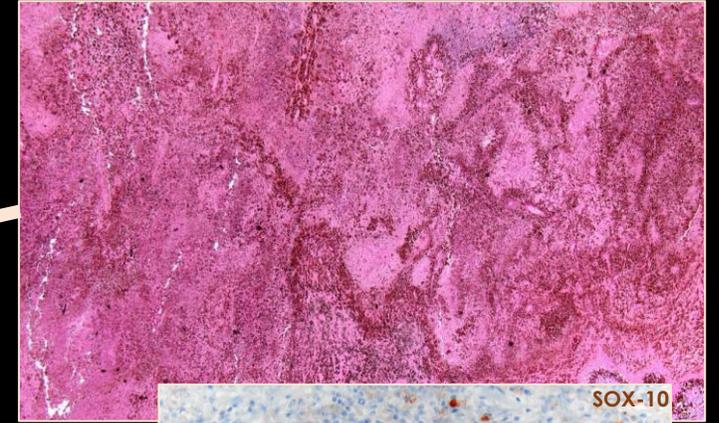
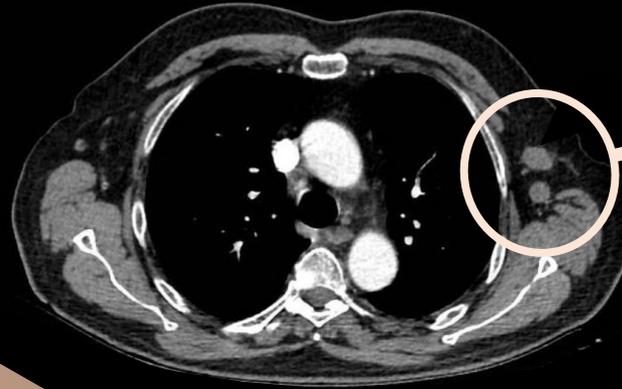
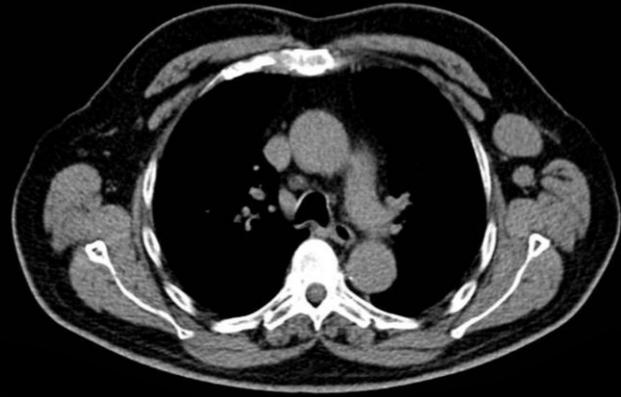
Hombre, 78 años
IIIC T4aN2bM0



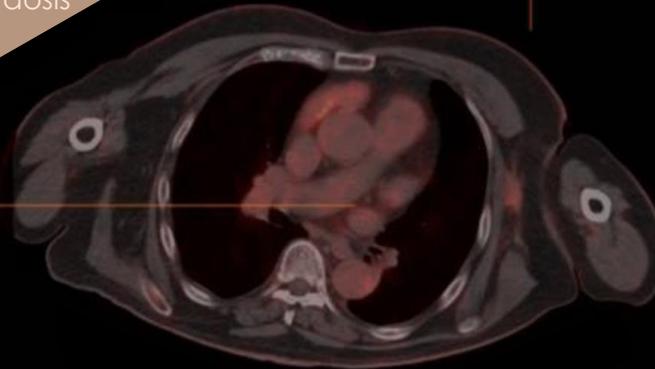
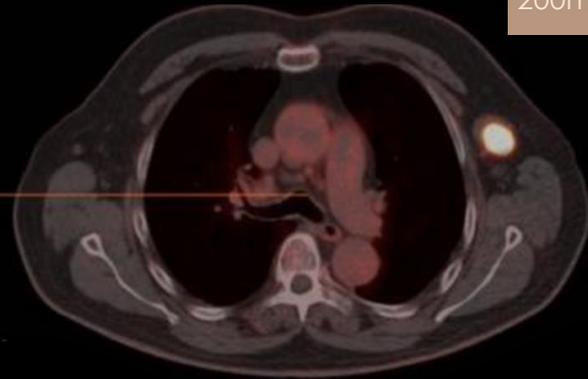
Pembrolizumab
200mg/3 sem x 3 dosis



Hombre, 78 años
IIIC T4aN2bM0



Pembrolizumab
200mg/3 sem x 3 dosis



Respuesta Completa

Hombre, 78 años
IIIC T4aN2bM0



IIB-IIC
T3b-T4bN0M0

Pembrolizumab
200mg/3 sem x 18 dosis

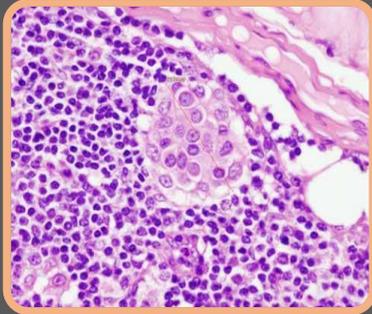


Inmunoterapia perioperatoria melanoma 2024



IIB-IIC
T3b-T4bN0M0

Pembrolizumab
200mg/3 sem x 18 dosis



IIIA
Na carga ≤1mm

IIIA
Na carga >1mm

Pembrolizumab
200mg/3 sem x 18 dosis

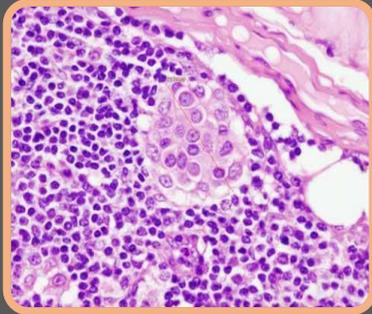


Inmunoterapia perioperatoria melanoma 2024



IIB-IIC
T3b-T4bN0M0

Pembrolizumab
200mg/3 sem x 18 dosis



IIIA
Na carga ≤1mm

IIIA
Na carga >1mm

Pembrolizumab
200mg/3 sem x 18 dosis



IIIB
T0-T3a N1b

IIIC-D
T3b-T4b N1b2b3b

Pembrolizumab
200mg/3 sem x 3 dosis

RxC

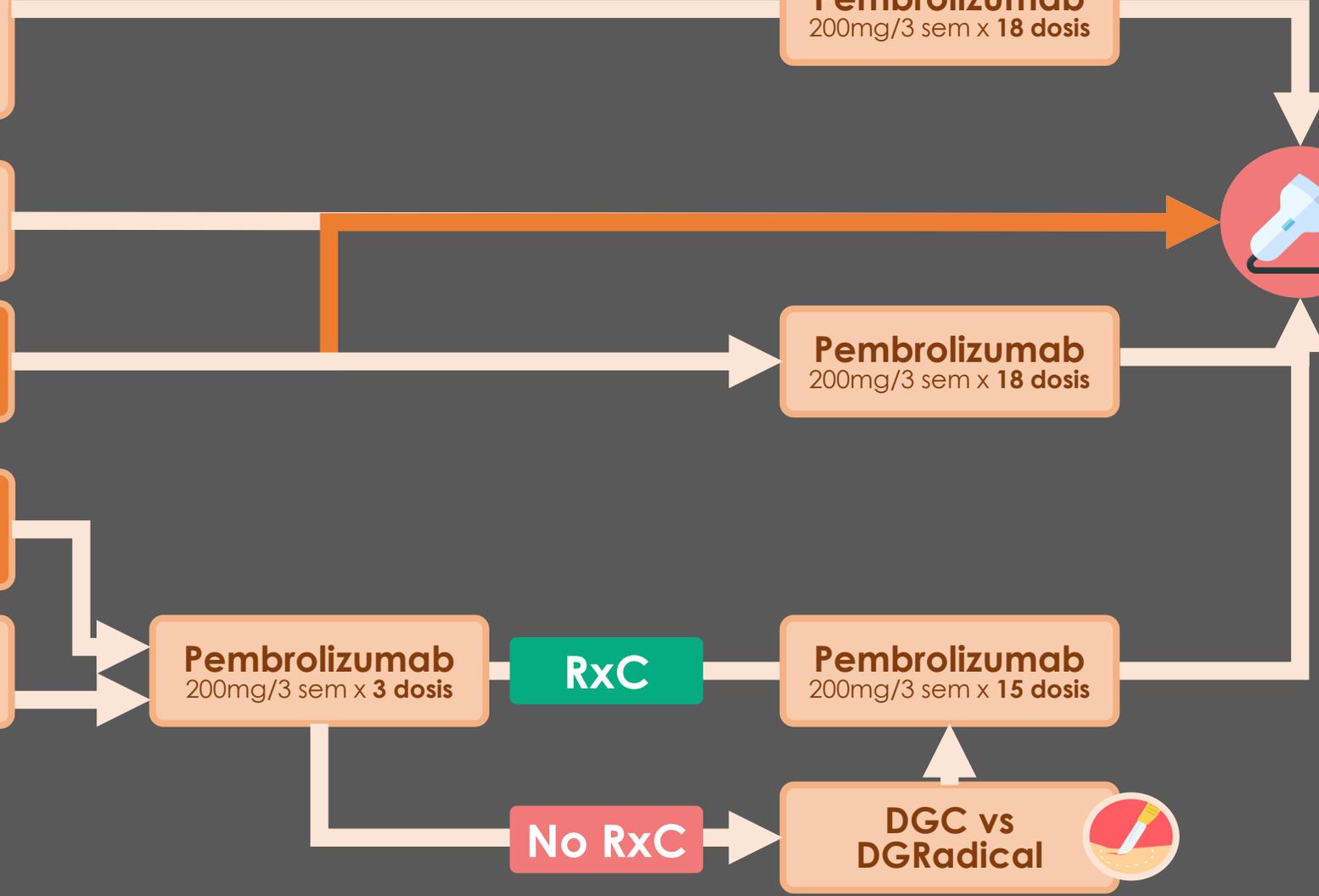
Pembrolizumab
200mg/3 sem x 15 dosis

No RxC

DGC vs DGRadical



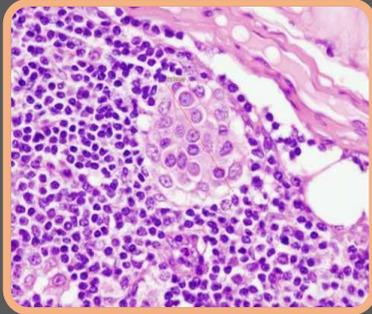
Inmunoterapia perioperatoria melanoma 2024





IIB-IIC
T3b-T4bN0M0

Pembrolizumab
200mg/3 sem x 17 dosis



IIIA
Na carga ≤1mm

IIIA
Na carga >1mm

Pembrolizumab
200mg/3 sem x 17 dosis



IIIB
T0-T3a N1b

IIIC-D
T3b-T4b N1b2b3b

DGC vs DGRadical

Pembrolizumab
200mg/3 sem x 3 dosis

RxC

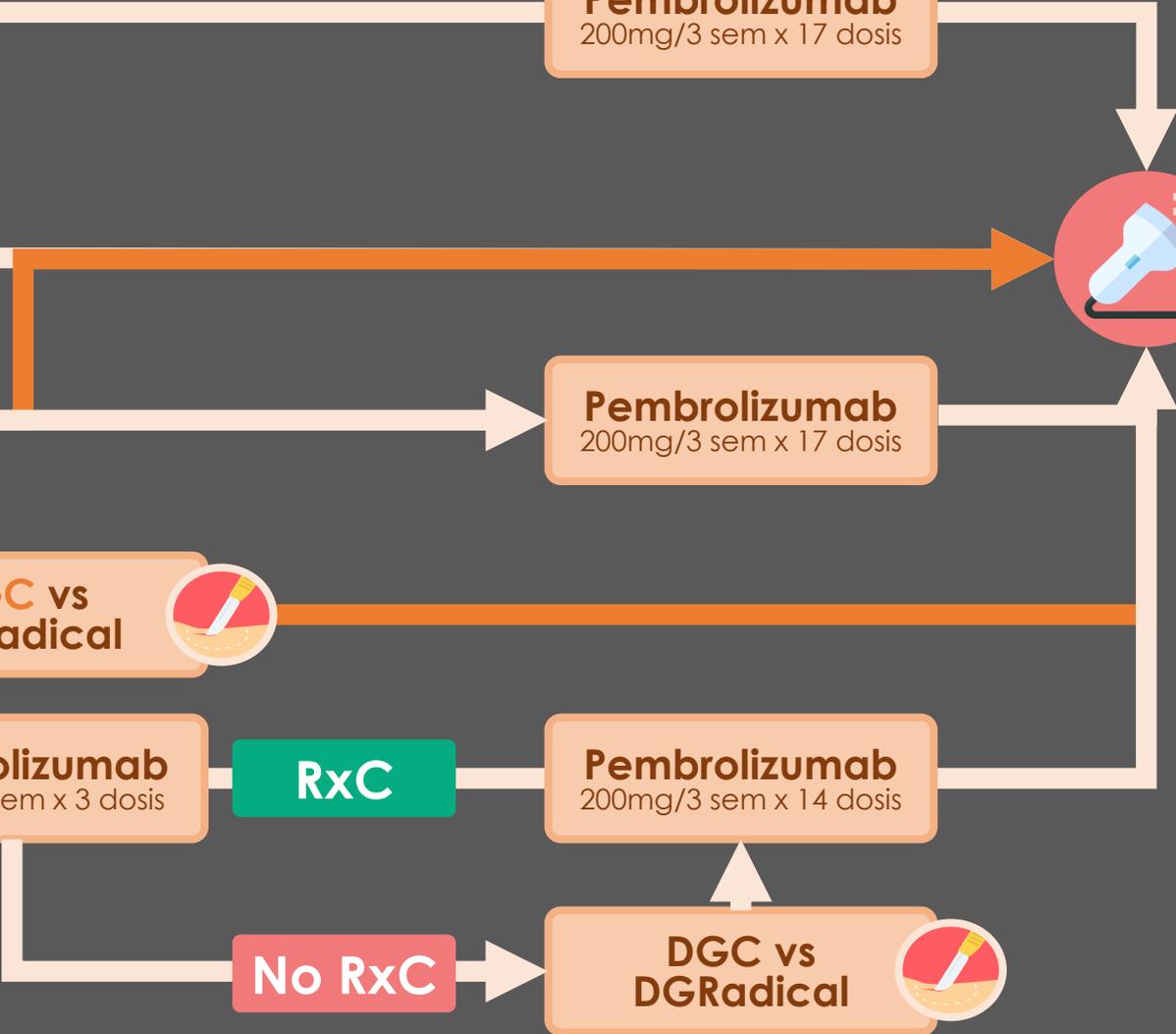
Pembrolizumab
200mg/3 sem x 14 dosis

No RxC

DGC vs DGRadical



Inmunoterapia perioperatoria melanoma 2024







“Los ganglios linfáticos
son las escuelas
donde aprenden los
linfocitos T”

A. Eggermont
EADO París 2024