

## Tratamente in afara clinicii

( RigVir viroterapie Latvia)

<https://www.rigvir.com/products/rigvir.php>

## Tratamente in clinica

### Thymopentin important

**2 grame IV ,de 3 ori pe săptămână**

<https://tratamenteanticancer.wordpress.com/2023/10/24/tymopentin-in-tratamentul-melanomului-cutanat/>

<https://pubmed.ncbi.nlm.nih.gov/2695455/> bun pt prevenirea recaderilor , regulator imunitar

<https://tratamenteanticancer.wordpress.com/2023/10/24/evaluarea-eficacitatii-clinice-si-a-tolerabilitatii-timopentinei-in-doze-mari-intravenoase-la-pacientii-cu-melanom-avansat/> <https://pubmed.ncbi.nlm.nih.gov/9508382/> doze mari,de 3 ori pe săptămână

**Activitatea biologică și eficacitatea clinică a timopentinei intravenoase în doze mari la pacienții cu melanom metastatic.** Clemente C, Belli F, Mascheroni L, Bufalino R, Rao S, Baldini MT, Mihm MC Jr, Cascinelli N. Melanom Res. 1996 Feb;6(1):63-9. doi: 10.1097/00008390-199602000-00009. PMID: 8640072 Studiu clinic.

**Iniectarea perinodulară de timopentină (TP5) în metastazele cutanate și subcutanate ale melanomului.** Cascinelli N, Clemente C, Bufalino R, Baldini M, Mascheroni L, Zurrida S, Mihm MC Jr. Melanom Res. 1993 Dec;3(6):471-6. doi: 10.1097/00008390-199311000-00011. PMID: 8161886 Studiu clinic.

**Timopentina în tratamentul melanomului cutanat.** Trevisan G, Agolzer A. G Ital Dermatol Venereol. 1989 mai;124(5):245-9. PMID: 2695455 Italiană.

<https://tratamenteanticancer.wordpress.com/2023/10/24/timopentin-in-doza-mare-intravenoasa-la-pacientii-cu-melanom-metastatic-evaluarea-toxicitatii-si-eficacitatii-clinice/> <https://www.sciencedirect.com/science/article/abs/pii/S0959804995954780> [https://journals.lww.com/melanomaresearch/abstract/1996/02000/biological\\_activity\\_and\\_clinical\\_efficacy\\_of\\_9.aspx](https://journals.lww.com/melanomaresearch/abstract/1996/02000/biological_activity_and_clinical_efficacy_of_9.aspx)

### Thymosin alpha 1 important

<https://tratamenteanticancer.wordpress.com/2023/07/14/o-reevaluare-a-timozinei-alpha1-in-terapia-cancerului-2/>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6742685/>

**Merge combinat cu il2 și Ciclofosfamida\* și anti PD-L1 și alfa-beta interferon SAU cu decarbazina și IL 2 sau decarbazina și interferon alfa sau decarbazina -- Vezi tabel 1**

<https://www.cochranelibrary.com/web/cochrane/content?type=full&urlTitle=/central/doi/10.1002/central/CN-00734181&doi=10.1002/central/CN-00734181&type=central&contentLanguage=>

### imunoterapie combinata cu timosina alfa 1

[https://www.researchgate.net/publication/326725415\\_Long-term\\_follow\\_up\\_of\\_metastatic\\_melanoma\\_patients\\_treated\\_with\\_Thymosin\\_alpha-1\\_investigating\\_immune\\_checkpoints\\_synergy](https://www.researchgate.net/publication/326725415_Long-term_follow_up_of_metastatic_melanoma_patients_treated_with_Thymosin_alpha-1_investigating_immune_checkpoints_synergy)

[term follow up of metastatic melanoma patients treated with Thymosin alpha-1 investigating immune checkpoints synergy](https://www.researchgate.net/publication/326725415_Long-term_follow_up_of_metastatic_melanoma_patients_treated_with_Thymosin_alpha-1_investigating_immune_checkpoints_synergy)

sinergie bună și rezultate pe termen lung

<https://www.life-science-alliance.org/content/3/10/e202000662>

<https://tratamenteanticancer.wordpress.com/2023/10/24/urmarirea-pe-termen-lung-a-pacientilor-cu-melanom-metastatic-tratati-cu-thymosin-alfa-1-investigarea-sinerגיעi-punctelor-de-control-imun-2/> <https://www.tandfonline.com/doi/full/10.1080/14712598.2018.1494717>

### 3BP cu paracetamol

<https://tratamenteanticancer.wordpress.com/2023/10/24/siguranta-si-rezultatul-tratamentului-melanomului-metastatic-folosind-3-bromopiruvat-o-revizuire-concisa-a-literaturii-si-un-studiu-de-caz/> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4110469/>

### ARTESUNATE

<https://tratamenteanticancer.wordpress.com/2023/10/24/artesunatul-in-tratamentul-melanomului-uveal-metastatic-primele-experiente/> <https://pubmed.ncbi.nlm.nih.gov/16273263/>

## VASC important

<https://tratamenteanticancer.wordpress.com/2018/05/03/tratamentul-cu-succes-al-melanomului-malign-metastatic-cu-extract-de-album-viscum-iscador-m-2/> <https://pubmed.ncbi.nlm.nih.gov/17532738/>

<https://tratamenteanticancer.wordpress.com/2018/05/13/remisiunea-completa-si-supravietuirea-pe-termen-lung-a-unui-pacient-cu-metastaze-melanomice-tratate-cu-extras-din-albumul-viscum/> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5704862/>

[https://link.springer.com/chapter/10.1007/978-3-642-60771-4\\_154](https://link.springer.com/chapter/10.1007/978-3-642-60771-4_154) <https://tratamenteanticancer.wordpress.com/2023/10/24/tratamentul-vascului-pentru-metastazele-cerebrale-ale-melanomului-un-singur-caz/>

Ar putea fi combinat cu imunoterapie ici (imune checkpoint inhibitors).Nu adauga efecte secundare dar nu se știe dacă îmbunătățește

<https://www.google.com/search?q=viscum+melanoma>

## InterLeukina-2 -important

### Doza mare IL 2 pt melanom metastatic

<https://tratamenteanticancer.wordpress.com/2023/10/24/doza-mare-de-interleukina-2-hd-il-2-pentru-melanom-avansat-o-experienta-cu-un-singur-centru-de-la-institutul-de-cancer-al-universitatii-din-pittsburgh/> <https://jitc.biomedcentral.com/articles/10.1186/s40425-017-0279-5>

<https://tratamenteanticancer.wordpress.com/2023/10/24/terapie-cu-interleukina-2-recombinata-in-doza-mare-pentru-pacientii-cu-melanom-metastatic-analiza-a-270-de-pacienti-tratati-intre-1985-si-1993/> <https://ascopubs.org/doi/10.1200/jco.1999.17.7.2105>

### Melanom cu metastaze cerebrale

<https://www.targetedonc.com/view/efficacy-and-safety-of-high-dose-interleukin-2-treatment-in-melanoma-patients-with-a-history-of-brain-metastases> <https://tratamenteanticancer.wordpress.com/2023/10/24/eficacitatea-si-siguranta-tratamentului-cu-interleukina-2-in-doza-mare-la-pacientii-cu-melanom-cu-antecedente-de-metastaze-cerebrale/>

### dacă nu mai răspunde la imunoterapie ipilimumab

<https://jitc.bmj.com/content/4/1/52> <https://tratamenteanticancer.wordpress.com/2023/10/24/o-analiza-retrospectiva-a-interleukinei-2-in-doza-mare-hd-il-2-dupa-ipilimumab-in-melanomul-metastatic/>

### POST PD-1 PD-L1 (nivolumab)

<https://tratamenteanticancer.wordpress.com/2023/10/24/terapie-cu-interleukina-2-in-doza-mare-hd-il-2-in-melanomul-metastatic-si-carcinomul-cu-celule-renale-dupa-inhibarea-pd1-sau-pdl1/>

<https://jitc.biomedcentral.com/articles/10.1186/s40425-019-0522-3>

### combinata cu ipilimumab CTLA-4 post esec PD-L1

<https://tratamenteanticancer.wordpress.com/2023/10/24/ipilimumab-in-doza-mare-si-interleukina-2-in-doza-mare-pentru-pacientii-cu-melanom-avansat/> <https://www.frontiersin.org/journals/oncology/articles/10.3389/fonc.2019.01483>

Doza mare de interleukina 2 (IL-2) a fost prima abordare de imunoterapie care a produs remisii durabile la pacientii cu boala avansata. Cu toate acestea, aceste beneficii au fost limitate la o mică parte a pacienților, iar tratamentul a fost asociat cu o toxicitate substanțială.

Utilizarea de IL-2 în doze mari în melanom a fost în mare măsură înlocuită cu inhibitori ai punctelor de control imune direcționate împotriva proteinei morții programate 1 (PD-1) singure sau în combinație cu anticorpi care vizează antigenul 4 al limfocitelor T citotoxice (CTLA-4). În plus, terapia direcționată împotriva căii kinazei proteinei activate de mitogen (MAP) a oferit o opțiune suplimentară importantă de tratament pentru spacenții cu boală avansată și o mutație V600 a BRAF .

Rezultatele cu doze mari de IL-2 și rolul potențial al altor abordări experimentale de imunoterapie sunt analizate aici.

<https://www.uptodate.com/contents/interleukin-2-and-experimental-immunotherapy-approaches-for-advanced-melanoma>

### combinata cu vaccinuri

<https://tratamenteanticancer.wordpress.com/2023/10/24/tratamentul-melanomului-metastatic-folosind-interleukina-2-singur-sau-in-asociere-cu-vaccinuri/> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2656367/>

## Ozonoterapie si HBOT

### Ulei masline ozonat TOPIC (aplicare pe piele)

<https://tratamenteanticancer.wordpress.com/2023/10/24/ulei-de-masline-ozonat-livrare-cutanata-imbunatatita-prin-nanovesicule-niosomale-pentru-tratamentul-melanomului/> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9312098/>

### Ozon post RT /CT pt durere

<https://medcraveonline.com/MOJCR/successful-pain-management-with-radiotherapy-and-ozone-therapy-in-a-case-of-metastatic-chemotherapy-resistant-sino-nasal-mucosal-malignant-melanoma.htm>

<https://tratamenteanticancer.wordpress.com/2023/10/24/gestionarea-cu-succes-a-durerii-cu-radioterapie-si-ozonoterapia-intr-un-caz-de-melanom-malign-al-mucoasei-sino-nazale-metastatice-rezistente-la-chimioterapie/>

### HBOT + cobalt

<https://pubmed.ncbi.nlm.nih.gov/4416549/>

### HBOT post operatie si RT

<https://www.clarkregional.org/news/may-is-skin-cancer-awareness-month-hyperbaric-oxygen-therapy-can-benefit-patients-after-major-skin-cancer-surgery-radiation>

### HBOT cu imunoterapie

<https://www.frontiersin.org/journals/oncology/articles/10.3389/fonc.2023.1200619>

## Hypertermie

<https://tratamenteanticancer.wordpress.com/2023/10/24/studiu-randomizat-al-hipertermiei-ca-adjuvant-la-radioterapie-pentru-melanomul-malign-recurent-sau-metastatic-societatea-europeana-pentru-oncologie-hipertermica/> <https://pubmed.ncbi.nlm.nih.gov/7776772/>

- [Hipertermia ca adjuvant al radioterapiei melanomului malign recurent sau metastatic. Un studiu multicentric randomizat de către Societatea Europeană pentru Oncologie Hipertermică.](#) Overgaard J, Gonzalez Gonzalez D, Hulshof MC, Arcangeli G, Dahl O, Mella O, Bentzen SM. Int J Hypertermie. 1996 ian-feb;12(1):3-20. doi: 10.3109/02656739609023685. PMID: 8676005 Studiu clinic.
- [Hipertermia ca adjuvant al radioterapiei în tratamentul melanomului malign.](#) Overgaard J, Overgaard M. Int J Hypertermie. 1987 noiembrie-dec;3(6):483-501. doi: 10.3109/02656738709140422. PMID: 3693983
- [Răspunsul melanomului la căldură și radioterapie - o trecere în revistă a literaturii și a experienței de la Spitalul Prince of Wales, Sydney.](#) Mameghan H, Knittel T. Med J Aust. 1988 noiembrie 7;149(9):474-6, 478-81. PMID: 3054448 Revizuire.
- [Rolul radioterapiei și hipertermiei în managementul melanomului malign.](#) Schmidt-Ullrich RK, Johnson CR. Semin Surg Oncol. 1996 noiembrie-dec;12(6):407-15. doi: 10.1002/(SICI)1098-2388(199611/12)12:6<407::AID-SSU6>3.0.CO;2-E. PMID: 8914205 Revizuire.
- [Studiu randomizat al hipertermiei ca adjuvant la radioterapie pentru melanomul malign recurent sau metastatic](#) 1995, The Lancet Afișați rezumatul

<https://tratamenteanticancer.wordpress.com/2023/10/24/hipertermie-si-radiatii-in-melanomul-malign-avansat/>  
<https://www.sciencedirect.com/science/article/pii/S036030169390149P>

<https://tratamenteanticancer.wordpress.com/2023/10/24/tratament-combinat-cu-radiatii-si-hipertermie-in-melanomul-malign-metastatic/>  
<https://www.sciencedirect.com/science/article/abs/pii/S0167814086800160>

<https://tratamenteanticancer.wordpress.com/2023/10/24/hipertermie-si-radiatii-in-melanomul-malign-avansat-2/>

[https://www.redjournal.org/article/0360-3016\(93\)90149-P/fulltext](https://www.redjournal.org/article/0360-3016(93)90149-P/fulltext) S-a ajuns la concluzia că hipertermia poate crește rata de răspuns complet a leziunilor superficiale ale melanomului malign la aproximativ 50% de la aproximativ 9% în tumorile cu așezare mai profundă > 3 cm adâncime care probabil nu sunt complet încălzibile cu un dispozitiv superficial.

### Combinatie cu imunoterapia

<https://www.tandfonline.com/doi/full/10.1080/02656736.2019.1653499>

<https://onlinelibrary.wiley.com/doi/full/10.1002/cam4.5085>

<https://www.oapublish.com/articles/jcmt.2272.YXJ0aWNsZWlk> - Celule dendritice + hipertermie

## vitamina c IV

exista doar un studiu pe oameni în melanom neconcludent asupra eficienței, exista pe celule și pe șoareci. are potențial încă nedemonstrat clinic. E BUNA COMBINATA CU IMUNOTERAPIA

<https://www.sciencedirect.com/science/article/pii/S0753332221013408>

trebuie doze mari vitamina C IntraVenos sunt doze mari ; sub 0.5 g/70 kg sunt efecte procancer

<https://onlinelibrary.wiley.com/doi/10.1002/mc.22654>

Rolul chimioterapiei este chestionabil in uveal metastatic

<https://tratamenteanticancer.wordpress.com/2023/10/24/melanomul-uveal-metastatic-exista-un-rol-pentru-chimioterapia-conventionala-un-studiu-cu-un-singur-centru-bazat-pe-58-de-pacienti/>

## Suplimente

### Omega 3

<https://tratamenteanticancer.wordpress.com/2023/10/24/consumul-de-acizi-grasi-omega-3-si-riscul-de-cancer-de-piele-o-revizuire-sistematica-si-meta-analiza/><https://pubmed.ncbi.nlm.nih.gov/24265065/> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8620049>

### Seleniu

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8392027/>

### Probiotice + fibre + imunoterapie

<https://tratamenteanticancer.wordpress.com/2023/10/24/fibrele-alimentare-si-probioticele-influenteaza-raspunsul-la-imunoterapie-in-microbiomul-intestinal-si-melanom/> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8970537/>  
<https://www.science.org/doi/10.1126/science.aaz7015>

<https://jamanetwork.com/journals/jama/fullarticle/2790307>

<https://www.medicalnewstoday.com/articles/melanoma-probiotic-bacterium-may-influence-immunotherapy-response> probioticele lactice (lactobacilii și alimente lactofermentate kefir iaurt sana borș crud varza murata etc ) ajuta **imunoterapia**

<https://www.upmc.com/media/news/040623-melanoma-immunotherapy-bacteria>

<https://www.cancer.gov/news-events/press-releases/2021/high-fiber-diet-melanoma-immunotherapy>

<https://www.insideprecisionmedicine.com/news-and-features/study-shows-mechanisms-of-how-probiotics-make-melanoma-immunotherapy-more-effective/> <https://voice.ons.org/news-and-views/what-the-evidence-says-about-probiotics-and-cancer-immunotherapy>

### Curcumin ,Quercetin

...doar preclinic, nu avem pe oameni ca mai sus dar are potențial cel iv și nano

<https://www.google.com/search?q=melanoma+curcumin+trial>

<https://www.google.com/search?q=melanoma+quercetin+trial>

### Melatonina

**Cu InterLeukina 2** <https://tratamenteanticancer.wordpress.com/2023/10/25/un-studiu-de-faza-ii-al-chemoneuroimunoterapiei-cu-platina-interleukina-2-subcutanata-in-doza-mica-si-neurohormonul-pineal-melatonina-pim-ca-terapie-de-linia-a-doua-la-pacientii-cu-melanom-metastat/> <https://pubmed.ncbi.nlm.nih.gov/12073777/>

<https://tratamenteanticancer.wordpress.com/2023/10/25/motivul-pentru-tratarea-melanomului-uveal-cu-melatonina-adjuvanta-o-revizuire-a-literaturii/> <https://bmccancer.biomedcentral.com/articles/10.1186/s12885-022-09464-w>

<https://trialsjournal.biomedcentral.com/articles/10.1186/s13063-023-07245-9>

[https://link.springer.com/chapter/10.1007/978-1-4615-1911-9\\_20](https://link.springer.com/chapter/10.1007/978-1-4615-1911-9_20) doza mare melatonina 200 mg

**MLT 100 mg + ICI (PD-1, PD-L1)** <https://maplespub.com/article/Modulation-of-Immune-and-Anti-Tumor-Effects-of-Cancer-Immunotherapy-with-Anti-Pd-1-Monoclonal-Antibodies-by-the-Pineal-Hormone-Melatonin-Preliminary-Clinical-Results>

## Metformin

<https://pubmed.ncbi.nlm.nih.gov/36689497/> <https://tratamenteanticancer.wordpress.com/2023/10/25/asocierea-utilizarii-metforminei-si-supravietuirea-la-pacientii-cu-melanom-cutanat-si-diabet/> **Dependent de doza, adică doza mai mare (2 grame pe zi de exemplu) e mai bine**  
<https://academic.oup.com/bjd/article/188/1/32/6763701>

## Itraconazol

**30 zile 200 mg x 2 / zi**

<https://bmccancer.biomedcentral.com/articles/10.1186/s12885-018-4520-5>  
<https://tratamenteanticancer.wordpress.com/2023/10/25/tratamentul-cu-itraconazol-al-melanomului-malign-primar-al-vaginului-evaluat-folosind-tomografie-cu-emisie-de-pozitroni-si-microarray-cadn-tisular-raport-de-caz/>  
<https://med.stanford.edu/news/all-news/2014/02/oral-anti-fungal-drug-can-treat-skin-cancer-in-patients-study-shows.html> merge și pe alte tipuri cancer piele  
<https://jamanetwork.com/journals/jamadermatology/fullarticle/2738307>  
<https://tratamenteanticancer.wordpress.com/2023/10/25/itraconazol-topic-pentru-tratamentul-carcinomului-bazocelular-la-pacientii-cu-sindrom-de-nev-bazocelular-sau-carcinom-bazocelular-de-inalta-frecventa-un-studiu-de-faza-2-deschis-controlat-cu-placebo/> gel, aplicare locala

## Vitamina D3

**vitamina d3 sa aibă suficienta(80 ng/ml 25 oh d)**

<https://ar.iiarjournals.org/content/40/1/473>  
<https://tratamenteanticancer.wordpress.com/2023/10/25/relevanta-vitaminei-d-in-dezvoltarea-progresia-si-terapia-melanomului/>  
<https://www.ctvnews.ca/health/vitamin-d-supplement-found-to-lower-risk-of-melanoma-new-study-finds-1.6223643>  
<https://www.sciencedaily.com/releases/2023/01/230109112555.htm>  
Emilia Kanasuo, Hanna Siiskonen, Salla Haimakainen, Jenni Komulainen, Ilkka T. Harvima. **Regular use of vitamin D supplement is associated with fewer melanoma cases compared to non-use: a cross-sectional study in 498 adult subjects at risk of skin cancers.** *Melanoma Research*, 2022; Publish Ahead of Print DOI: [10.1097/CMR.0000000000000870](https://doi.org/10.1097/CMR.0000000000000870)  
<https://tratamenteanticancer.wordpress.com/2023/10/25/utilizarea-regulata-a-suplimentului-de-vitamina-d-este-asociata-cu-mai-putine-cazuri-de-melanom-in-comparatie-cu-neutilizarea-un-studiu-transversal-pe-498-de-subiecti-adulti-cu-risc-de-cancer-de-piel/>

## Cafea(COFEIINA)

<https://tratamenteanticancer.wordpress.com/2023/10/25/aportul-de-cofeina-consumul-de-cafea-si-riscul-de-melanom-malign-cutanat/>  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4600068/> pt expunere continua la soare  
<https://tratamenteanticancer.wordpress.com/2023/10/25/consumul-de-cafea-si-riscul-de-melanom-malign-in-studiul-norvegian-femeile-si-cancerul-nowac/> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4966737/> Dependenta de doza(mai multa e mai bine)  
Probabil merge și ceai verde EGCG dar nu sunt studii pe oameni inca