***Тепловидение в онкологии (кроме кожной и щитовидной и молочных желез)***

1. Ефимова Г.С. Опыт использования термографии в клинической онкологии // Scientific Journal «ScienseRise». 2015;3/4(8):91-96. DOI: 10.15587/2313-8416.2015.39341
2. Ефимова Г.С., Винник Ю.А., Глущук Н.И. и др. Термографический контроль состояния пациентов при химиотерапии // Новейшие методы диагностики и лечения онкологических болезней. Харьков, 2013.
3. [Забудський В.В.](https://elibrary.ru/author_items.asp?refid=668957230&fam=Забудський&init=В+В), [Маслов В.П.](https://elibrary.ru/author_items.asp?refid=668957230&fam=Маслов&init=В+П), [Кравченко С.Л.](https://elibrary.ru/author_items.asp?refid=668957230&fam=Кравченко&init=С+Л) та iн. Дослiдження отримання та обробка тепловiзiйних зображень злоякiсних новоутворень // Труды 4-й международной научно-практической конференции "СИЭТ 2003". Одесса, 2003. С. 360.
4. Клюкин Л.М. Скрининг и мониторинг опухолевых новообразовании с помощью метода диагностической контактной термографии // Медицинская техника. 2010; 3:7-12.
5. Колесов С.Н., Прилучный М.А., Абызова Н.Е. Информативность глюкозной пробы в уточнении злокачественности новообразований длинных трубчатых костей // Матер. VII Междунар. конф. «Прикладная оптика-2006». Санкт-Петербург, 2006. С. 126-130.
6. Кондратьев В.Б., Гершанович М.Л., Кочнев А.А. и др. Значение термографического метода в комплексной диагностике новообразований мягких тканей // Тепловидение в медицине. Л. 1982. Ч.2. 223с.
7. Кондратьев В.Б., Парфенова О.М., Черняев Ю.С. и др. Тепловидение в онкологии. Атлас термограмм. Л., 1976. 76 с. [Тепловизионный метод исследования в онкологической практике (Термосемиотика злокачественных и доброкачественных опухолей)]
8. Ленская О.П., Габуния Р.И., Богдасаров Ю.Б. Использование термографии в диагностике некоторых видов опухолей // Тепловидение в медицине. 1981. Ч. II. С. 23.
9. Напалков Н.П. Основные направления и перспективы применения термографии в клинической онкологии // Тепловидение в медицине. Л. 1980. Ч.I. 189 с.
10. Напалков Н.П., Кондратьев В.Б. Термографический метод при оценке прогноза злокачественных новообразований // Труды Всесоюзной конференции «ТеМП-82». 1984. Ч. 2. 1984. С.31-36.
11. Пантелеев И.А., Плехов О.Г., Наймарк О.Б. Механобиологическое исследование структурного гомеостаза в опухолях по данным инфракрасной термографии // Физическая мезомеханика. 2012. 15 (3): 105-113.
12. Розенфельд Л.Г., Колотилов Н.Н. Дистанционная инфракрасная термография в онкологии // [Онкология](https://elibrary.ru/contents.asp?titleid=26136). 2001. Т. 3. № 2-3. С. 103-106.
13. Сельский А.Г., Фишер А.М. и др. Возможности применения динамического термокартирования в радио- и инфракрасном диапазонах в онкологической клинике // Биомедицинская радиоэлектроника. 1995. №2. С. 29-42.
14. Стрижова Н.В., Ованесян Д.Р. Состояние молочных желез у больных миомой матки по данным тепловизионного метода исследования // Акушерство и гинекология. 1984. № 12. С. 20.
15. Фазилов А.А., Абидова Д.И., Алява Ф.Л. Комплексное тепловизионное и ультразвуковое исследования в онкологической практике // Тепловидение в медицине. 1981. Ч. II. С. 20-22.
16. Чаплюк М.И., Семенов О.Г. Опыт применения отечественных тепловизоров для диагностики рака // Тепловидение в медицине. 1981. Ч. II. С. 10-14.
17. Чешенко В.П. Роль цветной жидкокристаллической термографии в диагностике рака желудка // Клин. хирургия. 1998. № 6. С. 20-21.
18. Шустакова Г.В., Вінник Ю.О., Єфимова Г.С. и др. Тепловізійний контроль рівня токсичних реакцій при хіміорадіотерапії // Біологічна і медична інформатика та кібернетика (БМІК-2013. / Матер. щор. наук.-тех. школи-семінару. Жукин, 2013. С. 3-6. [in Ukrainian]
19. Шустакова Г., Фоменко Ю.В., Гордиенко Е. и др. Использование термографического метода для контроля и прогнозирования уровня мукозита при лучевой терапии опухолей головы/шеи [Application of Infrared Thermal Imaging for Monitoring and prediction of Mucositis Grade in the Course of Radiotherapy of Head/Neck Tumors] // Украинский радиологический журнал [Ukrainian Journal of Radiology], 2015; 23(3):30-37. http://nbuv.gov.ua/UJRN/URLZh\_2015\_23\_3\_6
20. Bilynskii B.T., Novak O.P., Ivantsiv R.V. et al. [The importance of thermography in the diagnosis of oncologic diseases]. Vrach Delo. 1990;95. [in Russian]
21. Bogdasarov Iu.B., Lenskaia O.P., Poliakov B.I., Belkina B.M. Radionuklidnaia i termograficheskaia diagnostika novoobrazovaniĭ golovy i shei [Radionuclide and thermographic diagnosis of head and neck neoplasms] // Med Radiol. (Mosk). 1983 Oct;28(10):38-40. [in Russian]. PMID: 6195504
22. Gabuniia R.I., Dzhumaev M.G., Lenskaia O.P., Bagdasarov Iu.V. Osobennosti radionuklidno-termograficheskoĭ diagnostiki paragangliom shei [Radionuclide-thermographic diagnosis of neck paragangliomas] // Med Radiol. (Mosk). 1985 Mar;30(3):54-57. [in Russian]. PMID: 2984512
23. Gabuniia R.I., Lenskaia O.P., Bogdasarov Iu.B. et al. Znachenie termografii v kompleksnom obsledovanii onkologicheskikh bol'nykh [Importance of thermography in the overall examination of oncological patients] // Med Tekh. 1980 Jul-Aug;(4):19-21. [in Russian]. PMID: 7402032
24. Hozhenko A.I., Peresun'ko O.P., Orenchuk V.S., Vysochyna K.V. Aktyvna dystantsiĭna radiatsiĭna teplometriia v kompleksniĭ diahnostytsi pukhlyn iaiechnykiv [Active radiation telethermometry in the complex diagnosis of ovarian tumors] // Lik Sprava. 1999 Jul;(5):119-124. [in Ukrainian]. PMID: 10822698
25. Khanagova R.G. Termografiia i stsintigrafiia opukholeĭ miagkikh tkaneĭ u deteĭ [Thermography and scintigraphy of soft tissue tumors in children] // Med Radiol (Mosk). 1990 May;35(5):24-27. [ib Russian]
26. [Kondrat'ev V.B](https://www.ncbi.nlm.nih.gov/pubmed/?term=Kondrat'ev VB%5BAuthor%5D&cauthor=true&cauthor_uid=4552942). Thermography in oncology // [Vopr Onkol.](https://www.ncbi.nlm.nih.gov/pubmed/4552942) 1972;18(3):101-111. [in Russian] PMID: 4552942
27. Matiakin E.G., Bogdasarov Iu.B., Lenskaia O.P. Radionuklidnaia i termograficheskaia diagnostika regionarnykh metastazov raka iazyka i gortani [Radionuclide and thermographic diagnosis of regional metastases of cancer of the tongue and larynx] // Med Radiol. (Mosk). 1989 Oct;34(10):10-14. [in Russian]. PMID: 2811621
28. Miroshnichenko L., Vasiliev L., Shustakova G. et al. Infrared thermalimaging control of radiation dermatitis dynamics // Exp Oncol. 2023; 45(4): 493-503. https:// doi.org/10.15407/exp-oncology.2023.04.493
29. Orel V.E., Nikolov N.A., Romanov A.V. et al. The effect of increasing the inhomogeneity of the electromagnetic field on the enhancement of the antitumor activity of doxorubicin. Electronics and communications // Biomedical devices and systems, 2008. 2(3-4), 173-177 [in Ukrainian].
30. [Pozmogov A.I](https://www.ncbi.nlm.nih.gov/pubmed/?term=Pozmogov AI%5BAuthor%5D&cauthor=true&cauthor_uid=4722306)., [Chuvikin A.V](https://www.ncbi.nlm.nih.gov/pubmed/?term=Chuvikin AV%5BAuthor%5D&cauthor=true&cauthor_uid=4722306). Thermography in the complex examination of oncological patients // [Vrach Delo.](https://www.ncbi.nlm.nih.gov/pubmed/4722306) 1973 Feb;2:106-9. PMID: 4722306 [in Russian]

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1. Acciari L. Thermography of parotid tumours // Acta Thermographica. 1976;1:155.
2. Aggarval A.K. Thermal imaging for cancer detection // Imaging and Radiation Research. November 2023;6(1):1-13. DOI: [10.24294/irr.v6i1.2638](http://dx.doi.org/10.24294/irr.v6i1.2638)
3. Agnelli J.P., Barrea A.A., Turner C.V. Tumour location and parameter estimation by thermograph // Mathematical and Computer Modelling, 2010 (2011?), 53 no. 7-8, 1527-1534. doi:10.1016/j.mcm.2010.04.003.
4. [Amalric R](https://www.ncbi.nlm.nih.gov/pubmed/?term=Amalric R%5BAuthor%5D&cauthor=true&cauthor_uid=4706654)., [Spitalier J.M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Spitalier JM%5BAuthor%5D&cauthor=true&cauthor_uid=4706654). Dynamic telethermography in clinical oncology // [Nouv Presse Med.](https://www.ncbi.nlm.nih.gov/pubmed/4706654) 1973 Apr;2(16):1049-1052. [in French] PMID: 4706654
5. [Amalric R](https://www.ncbi.nlm.nih.gov/pubmed/?term=Amalric R%5BAuthor%5D&cauthor=true&cauthor_uid=1214241)., [Spitalier J.M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Spitalier JM%5BAuthor%5D&cauthor=true&cauthor_uid=1214241). Dynamic telethermography and strategy in cancerology (author's transl.) // [J Radiol Electrol Med Nucl.](https://www.ncbi.nlm.nih.gov/pubmed/1214241) 1975 Dec;56(12):895-900. [in French] PMID: 1214241
6. Amalric R., Spitalier J.M., Levraud J., Altschuler C. Les images thermovisuelles des cancers du sein et leur classification // Corse Mediterranne Medicale. 1972;216:13-22. [in French]
7. [Amalric R](https://www.ncbi.nlm.nih.gov/pubmed/?term=Amalric R%5BAuthor%5D&cauthor=true&cauthor_uid=4719332)., [Sptialier J.M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Sptialier JM%5BAuthor%5D&cauthor=true&cauthor_uid=4719332)., [Pollet J.F](https://www.ncbi.nlm.nih.gov/pubmed/?term=Pollet JF%5BAuthor%5D&cauthor=true&cauthor_uid=4719332)., [Levraud J](https://www.ncbi.nlm.nih.gov/pubmed/?term=Levraud J%5BAuthor%5D&cauthor=true&cauthor_uid=4719332). Current place of thermovision in carcinology // [J Radiol Electrol Med Nucl.](https://www.ncbi.nlm.nih.gov/pubmed/4719332) 1973 Feb;54(2):173-175. PMID: 4719332 [in French]
8. Araújo L.T.S., Brioschi M.L. Acompanhamento do tratamento quimioterápico do Osteossarcoma por imagem infravermelha // Pan American Journal of Medical Thermology. November 2021;7:002. DOI: [10.18073/pajmt.2020.7.002](http://dx.doi.org/10.18073/pajmt.2020.7.002) [in Portuguese]
9. Araújo L.T.S., Brioschi M.L., Teixeira M.J. Termografia Médica na Avaliação de Resposta Terapêutica na Leucemia Linfocítica Crônica // Pan American Journal of Medical Thermology. October 2021; 7:001. 5 pp. DOI: [10.18073/pajmt.2020.7.001](http://dx.doi.org/10.18073/pajmt.2020.7.001) [in Portuguese]
10. [Ayme Y](https://www.ncbi.nlm.nih.gov/pubmed/?term=Ayme Y%5BAuthor%5D&cauthor=true&cauthor_uid=1214242)., [Martin-Laval J](https://www.ncbi.nlm.nih.gov/pubmed/?term=Martin-Laval J%5BAuthor%5D&cauthor=true&cauthor_uid=1214242)., [Clerc S](https://www.ncbi.nlm.nih.gov/pubmed/?term=Clerc S%5BAuthor%5D&cauthor=true&cauthor_uid=1214242). et al. Novel contribution of dynamic telethermography in the diagnosis of dysplasia and cancer of the uterine cervix (author's transl.) // [J Radiol Electrol Med Nucl.](https://www.ncbi.nlm.nih.gov/pubmed/1214242) 1975 Dec;56(12):901-902. PMID: 1214242 [in French]
11. Benavent O., Benavente N., Priego Quesada J.I. et al. Application of infrared thermography in diagnosing peripherally inserted central venous catheter infections in children with cancer // Physiol. Meas., 2019; 40, 044002, <https://doi.org/10.1088/1361-6579/ab031a>
12. Ben-David M.A., Hoffer O., Kirshenabum D. Thermal Monitoring of Tumor and Tissue State during Radiation Therapy - A Complex Case of Radiation Recall // Critical Reviews in Biomedical Engineering, January 2020. 48(2):125-131. DOI: [10.1615/CritRevBiomedEng.2020034233](http://dx.doi.org/10.1615/CritRevBiomedEng.2020034233)
13. Bilyns’kyi B.T., Novak O.P. The importance of the thermographic study method in oncology // Lik Sprava. 1993;(5-6):114-116.
14. Bindig U., Meinke M., Gersonde I.H. et al. Detection of malignant tissues by using infrared microscopy and fiber optic spectroscopy // Proc. SPIE 4253, Optical Fibers and Sensors for Medical Applications, (4 June 2001). <https://doi.org/10.1117/12.427922>
15. Brasield R.D., Laughlin J.S., Sherman R.S. Thermography in the Management of Cancer // Ann N Y Acad Sci. 1964; 121: 235-247.
16. Button T.M., Li H., Fisher P. et al. Dynamic infrared imaging for the detection of malignancy // Physics in Medicine and Biology. 2004;49(14):3105-3116.
17. Büttner C. The Use of Infrared Thermography in the Arcadia Clinic for Integrative Medicine and Cancer Treatment (abstract) // Thermology International 2015, 25(1): 23.
18. Button T.M., Li H., Fisher P. et al. Dynamic infrared imaging for the detection of malignancy // Phys Med Biol. 2004; 49: 3105-3116.
19. Calvet J., Torossian F. Approche de la télé-thermographie dynamique en cancérologie O.R.L [Dynamic telethermography in E.N.T. cancerology] // Ann Otolaryngol Chir Cervicofac. 1976 Oct-Nov;93(10-11):649-660. [in French]. PMID: 1027350
20. Calvet J., Torossian F., Naja A. et al. Apport de la telethermographie dynamique en cancerologie cervico-faciale // Mediterranee Medic. 1973;2:38-40. [in Francaise]
21. Casanova O.B., Gómez N.B., Priego Quesada J.I. et al. Application of infrared thermography in diagnosing peripherally inserted central venous catheter infections in children with cancer // Phisiol Meas 2019; 40 (4), art. no. 044002. 8 pp. <https://doi.org//10.1088/1361-6579/ab031a>
22. Chakraborty M., Mukhopadhyay S., Dasgupta A. et al. A new paradigm of oral cancer detection using digital infrared thermal imaging // Progress in Biomedical Optics and Imaging – Proceedings of SPIE 2016; 9785, art no 97853I.
23. Chakraborty M., Mukhopadhyay S., Dasgupta A. et al. A new approach of oral cancer detection using bilateral texture features in digital infrared thermal images // Engineering in Medicine and Biology Society (EMBC) 2016 IEEE 38th Annual International Conference of the, pp. 1377-1380. [View Article](http://ieeexplore.ieee.org/document/7590964) [Full Text: PDF](http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7590964)
24. Chiesa A., Acciarri L. The role of thermography in ORL neck lesions // Congress of Radiology in ORL. Copenhagen, 1976.
25. Сhiricuta J., Bologa S., Bucur M., Munteanu S. Depistarea precoce in masa si apreclerea puseului evolutiv (PEV) in canceruf de sin prin termoviziune // Oncol. si Radiol. 1971. Т. 10. N 1. Р. 57-62. [in Romanian]
26. Cohen E.E., Ahmed O., Kocherginsky M. et al. Study of functional infrared imaging for early detection of mucositis in locally advanced head and neck cancer treated with chemoradiotherapy // Oral Oncol. (2013) 49(10):1025-1031. https://doi.org/10.1016/j. oraloncology.2013.07.009
27. Cohen Y., Dekel B.Z., Krouk E., Blaunstein N. Method of Infrared Thermography for Earlier Diagnostics of Gastric Colorectal and Cervical Cancer // EC Gastroenterology and Digestive System; 2019;10:916-933.
28. Corrado E.M., Passaretti U., Messore L., Lanza F. Thermographic diagnosis of glomus tumour // Hand. 1982; 14(1): 21-24. <https://doi.org/10.1016/s0072-968x(82)80033-8>
29. Dalmia A., Kakileti S.T., Manjunath G. Exploring Deep Learning Networks for Tumour Segmentation in Infrared Images // 14th Quantitanive InfraRed Thermography Conference (QIRT-2018). Berlin, Germany, June 24-29, 2018. We.4.B.4, 10 pp.
30. Das K., Singh R., Mishra S.C. Numerical analysis for determination of the presence of a tumor and estimation of its size and location in a tissue // J. Therm. Biol. 2013. 38 (1), 32-40.
31. Davison M., Feasey C.M. Effects of natural and forced cooling on the thermographic patterns of tumours // Phys. Med. Biol. 16 (2) (1971) 213-220.
32. Deng Z.S., Liu J., Temperature nonuniformity during applying dynamics infrared thermography for tumor detection: impact of large vessels // Proceedings of the ASME 2005 International Mechanical Engineering Congress and Exposition, 2005. 5-11 November, Orlando, Florida, pp. 99-104.
33. Dong F., Tao C., Wu J. et al. Detection of cervical lymph node metastasis from oral cavity cancer using a non-radiating, noninvasive digital infrared thermal imaging system // Scientific Reports (2018), 8:7219. 9 pp. DOI:10.1038/s41598-018-24195-4
34. Doughty A., Hasanjee A., Pettitt A. et al. Temperature distribution in target tumor tissue and photothermal tissue destruction during laser immunotherapy // Proc. SPIE 9709, Biophotonics and Immune Responses XI, 97090N (9 March 2016). <https://doi.org/10.1117/12.2209692>
35. Draper J.W., Boag J.W. Skin temperature distributions over veins and tumours // Phys Med Biol. 1971; 16:645-654. PubMed: 5170439
36. Farrell C., Mansfield C., Wallace J. Thermography as an aid in the diagnosis of tumors and detection of metastatic bone disease // Br. J. Radiol., 1971, 44, 897.
37. Farrell C., Wallace J.D., Edeiken J. Thermography and oste-osarcoma // Radiology. 1968; 90(4): 792-3.
38. Feasey C.M, Davison M., James W.B. Effects of natural and forced cooling on the thermographic patterns of tumours // Phys. Med. Biol. 1971.16, 213–220.
39. [Francis S.V](https://www.ncbi.nlm.nih.gov/pubmed/?term=Francis SV%5BAuthor%5D&cauthor=true&cauthor_uid=23194447)., Punitha N., [Sasikala M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Sasikala M%5BAuthor%5D&cauthor=true&cauthor_uid=23194447).Cancer detection in rotational thermography images using bispectral invariant features // Journal of Chemical and Pharmaceutical Sciences. October 2016;9(4):2189-2194.
40. Fu Z.-J., Xi Q., Ling L., Cao C.-Y. Numerical investigation on the effect of tumor on the thermal behavior inside the skin tissue // International Journal of Heat and Mass Transfer, 2017, vol. 108, pp. 1154-1163.
41. Gavriloaia G., Hurduc A., Ghemigian A-M., Fumarel R. Spatial-temperature high resolution map for early cancer diagnosis // Multimodal Biomedical Imaging 2009, Volume 7171. doi: 10.1117/12.809185
42. Gellermann J., Hildebrandt B., Issels R. et al. Noninvasive magnetic resonance thermography of soft tissue sarcomas during regional hyperthermia: correlation with response and direct thermometry // Cancer. 2006; 15;107(6):1373-1382.
43. Gottlob R., Tielsch W., Czembirek H et al. The basis of tumor verification using thermography // Z Exp Chir. 8:299-308, 1975.
44. Hassan M., Little R.F., Vogel A. Quantitative assessment of tumor vasculature and response to therapy in kaposi’s sarcoma using functional noninvasive imaging // Thechnol Cancer Res Treat. 2004. 3(5):451-457.
45. Hayase Y., Wakasa T., Uemura M. et al. Clinical Evaluation of Thermography in the Diagnosis of Malignant Tumors in the Oral and Maxillo-Facial Region // Oral Radiology 8(1):1-6, 1992. <https://doi.org/10.1007/BF02347273>
46. Head J.F., Lipari C.A., Wang F., Elliot R.L. Cancer risk assessment with a second generation infrared imaging system // Proc. SPIE, 1997. V. 3061. pp. 300-307.
47. Hoffer O., Ben-David M.A., Katz E. et al. Thermal imaging as a tool for evaluating tumor treatment efficacy // Journal of Biomedical Optics, May 2018. 23(05):1. DOI: [10.1117/1.JBO.23.5.058001](http://dx.doi.org/10.1117/1.JBO.23.5.058001)
48. Hoffer O., Rabin T., Nir R.-R. et al. Automated Thermal Imaging Monitors the Local Response to Cervical Cancer Brachytherapy // Journal of Biophotonics. September 2022. DOI: [10.1002/jbio.202200214](http://dx.doi.org/10.1002/jbio.202200214)
49. Hossain S., Abdelaal M., Mohammadi F.A. Thermogram Assessment for Tumor Parameter Estimation Considering Body Geometry // Canadian Journal of Electrical and Computer Engineering 2016. 39:3, P. 219-234. [Crossref](https://doi.org/10.1109/CJECE.2016.2541661)
50. Hussain N., Connah D., Ugail H. et al. The use of thermographic imaging to evaluate therapeutic response in human tumour xenograft models // Scientific Reports (2016). Volume 6, Article number: 31136.
51. Hossain S., Mohammadi F.A. Tumor parameter estimation considering the body geometry by thermography // Computers in Biology and Medicine 2016. 76, P. 80-93. [Crossref](https://doi.org/10.1016/j.compbiomed.2016.06.023) <https://doi.org/10.1016/j.compbiomed.2016.06.023>
52. Hossain S., Mohammadi F.A., Abdelaal M. Localization and parameter estimation of tumor by thermography // Can Conf Electr Comput Eng., 2014. https://doi.org/10.1109/CCECE.2014.6901120
53. [Irtó I](https://www.ncbi.nlm.nih.gov/pubmed/?term=Irtó I%5BAuthor%5D&cauthor=true&cauthor_uid=4774616). The role of chest thermography in the preoperative examination of intraductal epithelial proliferation (author's transl) // [Radiol Diagn (Berl).](https://www.ncbi.nlm.nih.gov/pubmed/4774616) 1973;14(5):575-582. PMID: 4774616 [in German]
54. Jain, R.K., Gullino, P.M.: Thermal Characteristics of Tumors: Applications in Detection and Treatment // Annals of the New York Academy of Science, V. 335, ANYAA 9 335 1-542, 1980.
55. Janicek M.J., Demetri G., Janicek M.R. et al. Dynamic infrared imaging of newly diagnosed malignant lymphoma compared with Gallium-67 and Fluorine-18 fluorodeoxyglucose (FDG) positron emission tomography // Technol Cancer Res Treat. 2003; 2 (6): 571-578.
56. Kakileti S.T., Dalmia A., Manjunath G. Exploring deep learning networks for tumor segmentation in infrared images // Quant. Infrared Thermogr. J., pp. 1-10, 2019, doi: 10.1080/17686733.2019.1619355
57. Kalicki B., Jung A., Ring F. et al. Infrared Thermography Assessment of Infantile Hemangioma Treatment by Propranolol // EAT2012 Book of Proceedings - Appendix 1 of Thermology international, July 2012;22(3):117-120.
58. Keyl W., Hör G. Angiographie, Szintigraphie und Thermographie bei Knochentumoren [Angiography, scintigraphy and thermography in tumors of bone (author's transl)] // MMW Munch Med Wochenschr. 1974 Feb 15;116(15):307-314. [in German]. PMID: 420961
59. Kim J., Choi H., Ryu S.Y. et al. Thermography for early detection of cancer // Proc. SPIE 8210, Optical Methods for Tumor Treatment and Detection: Mechanisms and Techniques in Photodynamic Therapy XXI, 82100W (9 March 2012). <https://doi.org/10.1117/12.908071>
60. Kok H.P., Cressman E.N.K., Ceelen W. et al. Heating technology for malignant tumors: a review // International Journal of Hyperthermia 2020, Vol. 37, No. 1, 711-741. <https://doi.org/10.1080/02656736.2020.1779357>
61. Konerding M.A., Steinberg F. Computerized infrared thermographic and ultrastructure studies of xenotransplanted human tumors on nude mice // Thermology 1988;3:7-14.
62. Lari S.M.S., Mojra A., Rokni M. Simultaneous localization of multiple tumors from thermogram of tissue phantom by using a novel optimization algorithm inspired by hunting dogs // Computers in Biology and Medicine. 2019;112:103377. doi:https://doi.org/10.1016/j.compbiomed.2019.103377
63. Lee C.-Y., Hsieh H.-Y., Lee S.-C. et al. Spatiotemporal sharpening of sub-pixel super-resolution by means of two infrared spectrum cameras for early cancer detection // Proc. SPIE 6979, Independent Component Analyses, Wavelets, Unsupervised Nano-Biomimetic Sensors, and Neural Networks VI, 69790R (3 April 2008). <https://doi.org/10.1117/12.793385>
64. Neural Networks VI, 69790R (3 April 2008). <https://doi.org/10.1117/12.793385>
65. [Levy A](https://www.ncbi.nlm.nih.gov/pubmed/?term=Levy A%5BAuthor%5D&cauthor=true&cauthor_uid=20620238)., [Dayan A](https://www.ncbi.nlm.nih.gov/pubmed/?term=Dayan A%5BAuthor%5D&cauthor=true&cauthor_uid=20620238)., [Ben-David M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Ben-David M%5BAuthor%5D&cauthor=true&cauthor_uid=20620238)., [Gannot I](https://www.ncbi.nlm.nih.gov/pubmed/?term=Gannot I%5BAuthor%5D&cauthor=true&cauthor_uid=20620238). A new thermography-based approach to early detection of cancer utilizing magnetic nanoparticles theory simulation and in vitro validation // [Nanomedicine.](https://www.ncbi.nlm.nih.gov/pubmed/20620238) 2010 Dec;6(6):786-96. doi: 10.1016/j.nano.2010.06.007 [in vitro tissue model]
66. Levy A., Gannot I. Infrared imaging for tumor detection using antibodies conjugated magnetic nanoparticles // Proc. SPIE 6991, Biophotonics: Photonic Solutions for Better Health Care, 699108 (2 May 2008). <https://doi.org/10.1117/12.781599>
67. Luna J.M., Romero-Mendez R., Hernandez-Guerrero A., Elizalde-Blancas F. Procedure to estimate thermophysical and geometrical parameters of embedded cancerous lesions using thermography // Journal of biomechanical engineering 134, no. 3 (2012): 031008.
68. Mack P., Cheng L. The thermal activity of normal and malignant tissues // HPB Surg. 11 (1998) 75-86.
69. Mansfield C.M., Dodd G.D., Wallace J.D. et al. Use of heat-sensing devices in cancer therapy: A preliminary study // Radiology. 1968;91(4):673-678.
70. Mansﬁeld C.M., Farrell C., Asbell S.O. The use of thermography in the detection of metastatic liver disease // Radiology 1970. 95, 696-698.
71. Manuel Luna J., Romero-Mendez R., Hernandez-Guerrero A., Elizalde-Blancas F. Procedure to estimate thermophysical and geometrical parameters of embedded cancerous lesions using thermography // J Biomech Eng. 2012; 134: 031008. doi: 10.1115/1.4006197
72. Miki Y. Thermographic evaluations of haemangiomas // Australas J Dermatol.1975;16(3): 114-117. ПЕРВЫЕ РАБОТЫ
73. Misiołek M., Namysłowski G., Czecior E. thermography in the investigation of head and neck tumors // Med Sci Monitor 1999; 6: 1187-1190.
74. Mital M., Scott E.P. Thermal detection of embedded tumors using infrared imaging // J Biomech Eng. Feb 2007; 129 (1): 33-39. [Crossref](https://doi.org/10.1115/1.2401181) <https://doi.org/10.1115/1.2401181>
75. Mohammadi F., Rastgar M. Analytical and experimental solution for heat source located under skin modeling chest tumor detection in male subjects by infrared thermography // J Med Biol Eng. 38, 316–324 (2018).
76. O'Mahony D., Gandjbakhche A.H., Hassan M. et al. Imaging techniques for Kaposi sarcoma (KS) // J HIV Ther. 2008; 13(3): 65-71.
77. Partridge P.W., Wrobel L.C. An inverse geometry problem for the localization of skin tumours by thermal analysis // Eng Anal Bound Elem. 2007, vol. 31, no. 10, pp. 803-811.
78. Poljak-Blazi M., Kolaric D., Jaganjac M. et al. Specific thermographic changes during Walker 256 carcinoma development: Differential infrared imaging of tumour, inflammation and haematoma // Cancer Detection and Prevention; 2009. 32(5-6):431-436. doi:10.1016/j.cdp.2009.01.002 (крысы)
79. Portela A., Vasconcelos M., Silva A. et al. The Highly Focalized Thermotherapy in the Treatment of Solid Tumors: Temperature Monitoring Using Thermography // EAT2012 Book of Proceedings - Appendix 1 of Thermology international, July 2012;22(3):95-98.
80. Rabin T., Hoffer O., Ben-David M.A., Gannot I. Monitoring brachytherapy radiation therapy by thermal image // Radiotherapy and Oncology. April 2018. 127:S822-S823 (EP-1518:). DOI: [10.1016/S0167-8140(18)31827-9](http://dx.doi.org/10.1016/S0167-8140(18)31827-9)
81. Rabin T., Moyal N., Zimmer Y. et al. 225 Thermal profiling of cervical carcinoma patients undergoing brachytherapy: a novel diagnostic approach // International Journal of Gynecologic Cancer. 2024;34:A83.
82. [Ramlau C](https://www.ncbi.nlm.nih.gov/pubmed/?term=Ramlau C%5BAuthor%5D&cauthor=true&cauthor_uid=1187413). Usefulness of thermography in oncological diagnosis // [Pol Przegl Radiol Med Nukl.](https://www.ncbi.nlm.nih.gov/pubmed/1187413) 1975 Jul-Aug;39(4):469-473. PMID: 1187413 [in Polish]
83. Rivolta B., Inzoli F., Mantero S., Severini A. Evaluation of temperature distribution during hyperthermic treatment in biliary tumors: a computational approach // J. Biomech. Eng. 1999. 121: 141-147. <https://doi.org/10.1115/1.2835095>
84. Romanini A. Thermography as a method of evaluating the efficacy of oncological therapy // International Meeting “Giornate Romane di Termografia”. Rome, Dec 2-3 1977 / Acta Thermographica, 1977, 2, 3, 178.
85. Romansky R., Naydenov E., Komitski S. A rare case of parietal skull fibrosarcoma: Reconstruction with free myocutaneous flap and infrared thermography monitoring // Journal of Neurological Surgery Part A: Central European Neurosurgery 2019; 80 (5): 387-390.
86. Sakamoto Y., Yokouchi M., Nagano S. et al. Metastasis of osteosarcoma to the trapezius muscle: A case report // World Journal of Surgical Oncology 2014; 12 (1), art. no. 176.
87. Salman Lari S.M., Mojra A., Rokni M. Simultaneous localization of multiple tumors from thermogram of tissue phantom by using a novel optimization algorithm inspired by hunting dogs // Computers in Biology and Medicine 2019; 112, art. no. 103377.
88. Sawada N.O., Toneti B.F., Okino L et al. Effects of Acupuncture on Cutaneous Microcirculation by Infrared Thermography in Cancer Patients // Journal of the National Comprehensive Cancer Network: JNCCN, March 2019, 17(3.5):CLO19-048. DOI: 10.6004/jnccn.2018.7159
89. Scarano A., Lorusso F., Di Cerbo A. et al. Eradication of hairy mouth after oncological resection of the tongue and floor mouth using a diode laser 808 nm. Postoperative pain assessment using thermal infrared imaging // Lasers in Surgery and Medicine 2019; 51 (6): 516-521.
90. [Schiesser](https://onlinelibrary.wiley.com/authored-by/) W.E. Thermographic Tumor Location. In book: Method of Lines PDE Analysis in Biomedical Science and Engineering. John Wiley & Sons, 2016. P. 91-112. DOI:10.1002/9781119130499
91. Schuster A., Thielecke M., Raharimanga V. et al. High-resolution infrared thermography: a new tool to assess tungiasis-associated inflammation of the skin // Tropical Medicine and Health (2017) 45:23. DOI 10.1186/s41182-017-0062-9
92. Selawry O.S., Holland J.F. Cholesteric thermography for direct visualization of temperatures over tumors // Proceedings of the American association for cancer research. New York, 1966. V 7. P. 63.
93. Sepper A., Piana A. Justification of thermogenic response to the growth of skin tumors // The Journal of the Professional Academy of Clinical Thermology (PACT), Summer Edition 2013. 3 pp. [http://www.medicalthermology.org/pdf/PACT%20Research%20Skin%20Cancer.pdf](http://www.medicalthermology.org/pdf/PACT Research Skin Cancer.pdf)
94. Shaikh S., Gite H., Manza R.R. et al. Segmentation of Thermal Images Using Thresholding-Based Methods for Detection of Malignant Tumours // Advances in Intelligent Systems and Computing Intelligent Systems Technologies and Applications 2016, pp. 131-146, 2016.
95. Shi G., Han F., Liang C. et al. A novel method of thermal tomography tumor diagnosis and its clinical practice // Applied Termal Engineering, 2014, vol. 73, no. 1, pp. 408-415.
96. Shimatani A., Hoshi M., Oebisu N. et al. An analysis of tumor-related skin temperature differences in malignant soft-tissue tumors // Int J Clin Oncol. 2022 Jan;27(1):234-243. doi: 10.1007/s10147-021-02044-1
97. Shimatani A., Hoshi M., Oebisu N. et al. Clinical significance of thermal detection of soft-tissue tumors // Int J Clin Oncol. 2020 Jul;25(7):1418-1424. doi: 10.1007/s10147-020-01658-1
98. Simpson T.L. Thermographic Tumor Detection Enhancemmel Using Microwave Heating // IEEE Trans. Microw. Theory Tech., vol. MTT-26, no. 8, p. 1978, 1978.
99. Stefanadis C., Chrysochoou C., Markou D. et al. Increased temperature of malignant urinary bladder tumors, in vivo; the application of a new method based on a catheter technique // J Clin Oncol 2001, 19:686-671.
100. Stefanadis C., Chrysohoou C., Panagiotakos D.B. et al. Temperature differences are associated with malignancy on lung lesions: a clinical study // BMC Cancer. 2003 Jan 6;3:1. doi: 10.1186/1471-2407-3-1
101. Stuttgen G. Thermographic evaluation of the benign diseases and reactive changes of the skin // Prog. Clin. Biol. Res. 107 (1982) 397-411.
102. Sudarsan N., Kottapurath A., Antony L. et al. A Computational Method for the Estimation of the Geometrical and Thermophysical Properties of Tumor Using Contact Thermometry // Journal of Medical Devices. June 2021;15(3). DOI: [10.1115/1.4051517](http://dx.doi.org/10.1115/1.4051517)
103. Sudharsan N.M., Ng E.Y.K. Parametric optimisation for tumour identiﬁcation: Bioheat equation using ANOVA and the Taguchi method // Proc Inst Mech Eng H J Eng Med, 2000, 214:505-512.
104. Szu H., Hoekstra P., Landa J., Vydelingum N. Neo-angiogenesis metabolic biomarker of tumor-genesis tracking by infrared joystick contact imaging in personalized homecare system // Proc. SPIE 9118, Independent Component Analyses, Compressive Sampling, Wavelets, Neural Net, Biosystems, and Nanoengineering XII, 91180T (24 June 2014). <https://doi.org/10.1117/12.2049598>
105. Tepper M., Gannot I. Parametric study of different contributors to tumor thermal profile // Progress in Biomedical Optics and Imaging – Proceedings of SPIE 2014, 8940, art. no. 89400P-89401-89400P-89412.
106. Tepper M., Gannot I. Monitoring tumor state from thermal images in animal and human models // Medical Physics 2015; 42 (3): 1297-1306. [PubMed: 25735285]
107. [Teske H.J](https://www.ncbi.nlm.nih.gov/pubmed/?term=Teske HJ%5BAuthor%5D&cauthor=true&cauthor_uid=4344523)., [Heissen E](https://www.ncbi.nlm.nih.gov/pubmed/?term=Heissen E%5BAuthor%5D&cauthor=true&cauthor_uid=4344523)., [Dumke K](https://www.ncbi.nlm.nih.gov/pubmed/?term=Dumke K%5BAuthor%5D&cauthor=true&cauthor_uid=4344523)., [Greb K.H](https://www.ncbi.nlm.nih.gov/pubmed/?term=Greb KH%5BAuthor%5D&cauthor=true&cauthor_uid=4344523). Thermography as a method for tumor diagnosis // [Fortschr Geb Rontgenstr Nuklearmed.](https://www.ncbi.nlm.nih.gov/pubmed/4344523) 1972:Suppl:130-1. PMID: 4344523 [in German]
108. Umadevi V., Raghavan S.V., Jaipurkar S. Framework for estimating tumour parameters using thermal imaging // Indian J. Med. Res. 2011. 134 (5), 725-731.
109. White R.L., El-Mahdi A.M., Ramirez H.L. et al. Thermographic changes following preoperative radiotherapy in head and neck cancer // Radiology, 1975, 117, 469-471.
110. Zlotta A.R., Edwards S.D., Schulman C.C. et al. Transurethral Needle Ablation (TUNA): Thermal Gradient Mapping and Comparison of Lesion Size in a Tissue Model and in Patients with Benign Prostatic Hyperplasia // European Urology, vol. 24, pp. 411-414, 1993.