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#	Search Statement	Results	Annotation
1	Hutchinson's Melanotic Freckle/	765	
2	Hutchinson* melanotic*.mp.	806	
3	lentigo maligna melanoma*.mp.	589	
4	atypical melanocytic hyperplasia.mp.	47	
5	melanocytic proliferation*.mp.	604	
6	Atypical intraepidermal melanocytic proliferation*.mp.	16	
7	atypical junctional melanocytic proliferation*.mp.	5	
8	pagetoid melanocytic proliferation*.mp.	2	
9	borderline melanocytic tumo?r*.mp.	21	
10	minimal deviation melanoma*.mp.	29	
11	intraepidermal melanocytic dysplasia.mp.	2	
12	melanoma in situ.mp.	1004	
13	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12	2636	
14	Microscopy, Confocal/	57263	
15	Confocal microscop*.mp.	46547	
16	reflectance confocal microscop*.mp.	1406	
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18	13 and 17	109	

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1. Lentigo maligna melanoma mapping using reflectance confocal microscopy correlates with staged excision: A prospective study.
   Navarrete-Dechent C, Cordova M, Aleissa S, Liopyris K, Dusza SW, Kose K, Busam KJ, Hollman T, Lezcano C, Pulitzer M, Chen CJ, Lee EH, Rossi AM, Nehal KS
   Journal of the American Academy of Dermatology. 2019 Dec 05.
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   UI: 31812621

   BACKGROUND: Lentigo maligna/lentigo maligna melanoma (LM/LMM) can present with subclinical extension that may be difficult to define preoperatively and lead to incomplete excision and potential recurrence. Preliminarily studies have used reflectance confocal microscopy (RCM) to assess LM/LMM margins.

OBJECTIVE: To evaluate the correlation of LM/LMM subclinical extension defined by RCM compared to the gold standard histopathology.

METHODS: Prospective study of LM/LMM patients referred for dermatologic surgery. RCM was performed at the clinically-defined initial surgical margin followed by margin-controlled staged excision with paraffin-embedded tissue and histopathology was correlated with RCM results.

RESULTS: Seventy-two patients were included. Mean age was 66.8 years (SD 11.1; 38 - 89 years); 69.4% were males. 70/72 (97.2%) lesions were located on the head neck with mean largest clinical diameter of 1.3cm (0.3 - 5 cm). Diagnostic accuracy for detection of residual melanoma in the tumor debulk (after biopsy) had a sensitivity of 96.7% and a specificity of 66.7% when compared to the histopathology. RCM margin assessment revealed an overall agreement with final histopathology of 85.9% (kappa 0.71; p<0.001).

LIMITATIONS: No RCM imaging beyond initial planned margins was performed.

CONCLUSION: RCM showed moderate to excellent overall agreement between RCM imaging of LM/LMM and histopathology of staged excision margins.

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2. Langerhans Cells as Morphologic Mimickers of Atypical Melanocytes on Reflectance Confocal Microscopy: A Case Report and Review of the Literature. [Review]
Chuchvara N, Berger L, Reilly C, Maghari A, Rao BK
Dermatology Practical & Conceptual. 11(3):e2021078, 2021 May.
[Journal Article. Review] [2021/06/14 09:47]
UI: 34123568

Pagetoid spread of melanocytes in the epidermis is a common indicator of melanocytic atypia, both histopathologically and with reflectance confocal microscopy (RCM). Specifically on RCM, large, bright, atypical dendritic and/or roundish cells are characteristic of melanoma. However, intraepidermal Langerhans cells (ILC) create the potential for diagnostic ambiguity on RCM. We describe one case of a pigmented facial lesion that was initially diagnosed as lentigo maligna (LM) due to numerous atypical perifollicular dendritic cells on RCM. Additionally, we present the findings of a literature review for similar reported cases conducted by searching the following terms on PubMed: reflectance confocal microscopy, RCM, lentigo maligna, melanoma, Langerhans cells, dendritic cells, and atypical cells. In our case, the lesion was determined to be a solar lentigo on histopathology. Immunohistochemistry (IHC) with CD1a identified the atypical-appearing cells as ILC, as it did in 54 reported cases of benign lesions (benign melanocytic nevus, Sutton/halo nevus, labial melanotic macule, and solar lentigo) misdiagnosed as malignant on RCM (melanoma, lip melanoma, lentigo maligna, and LM melanoma). According to our case and the literature, both ILC and atypical melanocytes can present with atypical-appearing dendritic and/or roundish cells under RCM. Currently, there is no method to distinguish the two without IHC. Therefore, the presence of pagetoid cells should continue to alert the confocalist of a potential neoplastic process, prompting biopsy, histopathologic diagnosis, and IHC differentiation.

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Cited References
Br J Dermatol. 1988 Oct;119(4):463-9 PMID: 3056492 [https://www.ncbi.nlm.nih.gov/pubmed/3056492]

Exp Dermatol. 2014 Jun;23(6):414-8 PMID: 24750486 [https://www.ncbi.nlm.nih.gov/pubmed/24750486]

JAAD Case Rep. 2018 Nov 03;4(10):1000-1003 PMID: 30417063 [https://www.ncbi.nlm.nih.gov/pubmed/30417063]

J Invest Dermatol. 2010 Aug;130(8):2080-91 PMID: 20393481 [https://www.ncbi.nlm.nih.gov/pubmed/20393481]

J Invest Dermatol. 1988 Aug;91(2):125-8 PMID: 3260930 [https://www.ncbi.nlm.nih.gov/pubmed/3260930]

Dermatology. 2010;220(1):15-24 PMID: 19907131 [https://www.ncbi.nlm.nih.gov/pubmed/19907131]

Acta Derm Venereol. 2020 May 11;100(10):adv00134 PMID: 32318743 [https://www.ncbi.nlm.nih.gov/pubmed/32318743]

J Invest Dermatol. 1993 Mar;100(3):269S-273S PMID: 7680054 [https://www.ncbi.nlm.nih.gov/pubmed/7680054]

J Invest Dermatol. 2012 Oct;132(10):2386-2394 PMID: 22718115 [https://www.ncbi.nlm.nih.gov/pubmed/22718115]

Actas Dermosifiliogr. 2016 Dec;107(10):830-835 PMID: 27614735 [https://www.ncbi.nlm.nih.gov/pubmed/27614735]

Australas J Dermatol. 2018 Aug;59(3):227-229 PMID: 28990158 [https://www.ncbi.nlm.nih.gov/pubmed/28990158]

Clin Exp Dermatol. 2017 Apr;42(3):266-275 PMID: 28218469 [https://www.ncbi.nlm.nih.gov/pubmed/28218469]

J Am Acad Dermatol. 2006 Jul;55(1):88-97 PMID: 16781299 [https://www.ncbi.nlm.nih.gov/pubmed/16781299]

J Am Acad Dermatol. 2019 Aug;81(2):520-526 PMID: 30954581 [https://www.ncbi.nlm.nih.gov/pubmed/30954581]

Br J Dermatol. 2007 Nov;157(5):907-13 PMID: 17725673 [https://www.ncbi.nlm.nih.gov/pubmed/17725673]

Arch Dermatol. 2007 Jul;143(7):883-6 PMID: 17638732 [https://www.ncbi.nlm.nih.gov/pubmed/17638732]

JAMA Dermatol. 2017 Sep 1;153(9):882-891 PMID: 28467525 [https://www.ncbi.nlm.nih.gov/pubmed/28467525]

J Am Acad Dermatol. 2006 Apr;54(4):638-43 PMID: 16546585 [https://www.ncbi.nlm.nih.gov/pubmed/16546585]

J Invest Dermatol. 2005 Sep;125(3):532-7 PMID: 16117795 [https://www.ncbi.nlm.nih.gov/pubmed/16117795]

J Am Acad Dermatol. 2012 Mar;66(3):452-62 PMID: 21798622 [https://www.ncbi.nlm.nih.gov/pubmed/21798622]

J Eur Acad Dermatol Venereol. 2012 May;26(5):578-90 PMID: 21605173 [https://www.ncbi.nlm.nih.gov/pubmed/21605173]

J Am Acad Dermatol. 2009 Aug;61(2):216-29 PMID: 19406506 [https://www.ncbi.nlm.nih.gov/pubmed/19406506]

J Invest Dermatol. 1995 Jun;104(6):946-52 PMID: 7769264 [https://www.ncbi.nlm.nih.gov/pubmed/7769264]

J Am Acad Dermatol. 2016 Jun;74(6):1114-20 PMID: 26826051 [https://www.ncbi.nlm.nih.gov/pubmed/26826051]

JAMA Dermatol. 2017 Aug 1;153(8):771-780 PMID: 28564685 [https://www.ncbi.nlm.nih.gov/pubmed/28564685]

Am J Dermatopathol. 2018 Mar;40(3):173-179 PMID: 28816741 [https://www.ncbi.nlm.nih.gov/pubmed/28816741]

J Am Acad Dermatol. 2005 Dec;53(6):979-85 PMID: 16310058 [https://www.ncbi.nlm.nih.gov/pubmed/16310058]

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3. Lentigo Maligna: Clinical Presentation and Appropriate Management. [Review]
Iznardo H, Garcia-Melendo C, Yelamos O
Clinical, Cosmetic and Investigational Dermatology CCID. 13:837-855, 2020.
[Journal Article. Review] [2020/11/23 05:36]

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Lentigo maligna (LM) is a type of melanoma in situ that has distinctive characteristics regarding epidemiology, risk factors and clinical features. In addition, LM has a potential to progress to an invasive tumor with potentially aggressive behavior: lentigo maligna melanoma (LMM). Overall, LM has a very good prognosis, whereas LMM has the same prognosis as other invasive melanomas with similar Breslow thickness. LM/LMM represents a challenging entity not only regarding the diagnosis but also regarding the management. Diagnostic criteria are not well established, and there is an overlap of clinical, dermoscopic and pathological features with other benign pigmented skin lesions such as lentigines, pigmented actinic keratoses or macular seborrheic keratoses. LM/LMM's common appearance within photodamaged skin makes lesion border identification difficult. Wide excisions are often required, but since LM/LMM typically appears on cosmetically sensitive areas such as the face, sometimes large excisions are not possible nor desirable. In this sense, specialized approaches have been developed such as margin-controlled surgery or image-guided treatment using reflectance confocal microscopy. Other treatments for LM such as cryosurgery, imiquimod, radiotherapy or photodynamic therapy have been proposed, although recurrence/persistence is common. The current manuscript reviews extensively the published data regarding the diagnosis, treatment and management of both complex entities LM and LMM.

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J Dtsch Dermatol Ges. 2007 Jun;5(6):477-80 PMID: 17537040 [https://www.ncbi.nlm.nih.gov/pubmed/17537040]

J Am Acad Dermatol. 1995 Dec;33(6):923-36; quiz 937-40 PMID: 7490362 [https://www.ncbi.nlm.nih.gov/pubmed/7490362]

Exp Dermatol. 2017 Jul;26(7):615-618 PMID: 27783441 [https://www.ncbi.nlm.nih.gov/pubmed/27783441]

Eur J Cancer. 2020 Feb;126:141-158 PMID: 31928887 [https://www.ncbi.nlm.nih.gov/pubmed/31928887]

J Invest Dermatol. 2005 Oct;125(4):685-91 PMID: 16185266 [https://www.ncbi.nlm.nih.gov/pubmed/16185266]

Exp Dermatol. 2018 Mar;27(3):227-232 PMID: 29274094 [https://www.ncbi.nlm.nih.gov/pubmed/29274094]

Br J Dermatol. 2016 May;174(5):1079-85 PMID: 26784739 [https://www.ncbi.nlm.nih.gov/pubmed/26784739]

Br J Dermatol. 2004 Aug;151(2):485-8 PMID: 15327559 [https://www.ncbi.nlm.nih.gov/pubmed/15327559]

Dermatol Pract Concept. 2019 Oct 31;9(4):292-294 PMID: 31723463 [https://www.ncbi.nlm.nih.gov/pubmed/31723463]

Nat Rev Cancer. 2016 Jun;16(6):345-58 PMID: 27125352 [https://www.ncbi.nlm.nih.gov/pubmed/27125352]

J Natl Cancer Inst. 2003 Jun 4;95(11):806-12 PMID: 12783935 [https://www.ncbi.nlm.nih.gov/pubmed/12783935]

J Am Acad Dermatol. 1998 Feb;38(2 Pt 1):283 PMID: 9486694 [https://www.ncbi.nlm.nih.gov/pubmed/9486694]

Br J Dermatol. 1998 Sep;139(3):439-43 PMID: 9767288 [https://www.ncbi.nlm.nih.gov/pubmed/9767288]

Br J Dermatol. 2002 Jun;146(6):1042-6 PMID: 12072074 [https://www.ncbi.nlm.nih.gov/pubmed/12072074]

Am J Dermatopathol. 1996 Dec;18(6):560-6 PMID: 8989926 [https://www.ncbi.nlm.nih.gov/pubmed/8989926]

J Am Acad Dermatol. 1991 Jan;24(1):102-6 PMID: 1999507 [https://www.ncbi.nlm.nih.gov/pubmed/1999507]

JAMA Dermatol. 2016 Feb;152(2):200-3 PMID: 26651094 [https://www.ncbi.nlm.nih.gov/pubmed/26651094]

J Am Acad Dermatol. 2019 Feb;80(2):365-377 PMID: 30321580 [https://www.ncbi.nlm.nih.gov/pubmed/30321580]

JAMA Dermatol. 2018 Aug 1;154(8):885-889 PMID: 29847610 [https://www.ncbi.nlm.nih.gov/pubmed/29847610]

Pigment Cell Melanoma Res. 2013 Mar;26(2):275-7 PMID: 23153123 [https://www.ncbi.nlm.nih.gov/pubmed/23153123]

Br J Dermatol. 2007 Dec;157 Suppl 2:8-13 PMID: 18067624 [https://www.ncbi.nlm.nih.gov/pubmed/18067624]

Br J Dermatol. 2010 Dec;163(6):1212-7 PMID: 21083845 [https://www.ncbi.nlm.nih.gov/pubmed/21083845]

JAMA Dermatol. 2013 Jun;149(6):692-8 PMID: 23553208 [https://www.ncbi.nlm.nih.gov/pubmed/23553208]

Dermatol Pract Concept. 2019 Dec 31;10(1):e2020018 PMID: 31921505 [https://www.ncbi.nlm.nih.gov/pubmed/31921505]

J Am Acad Dermatol. 2019 Sep;81(3):823-833 PMID: 30930085 [https://www.ncbi.nlm.nih.gov/pubmed/30930085]

J Am Acad Dermatol. 2008 Jun;58(6):1013-20 PMID: 18485983 [https://www.ncbi.nlm.nih.gov/

pubmed/18485983]

Arch Facial Plast Surg. 2011 Nov-Dec;13(6):398-403 PMID: 22106185 [https://www.ncbi.nlm.nih.gov/pubmed/22106185]

J Am Acad Dermatol. 1994 Jul;31(1):79-85 PMID: 8021377 [https://www.ncbi.nlm.nih.gov/pubmed/8021377]

Clin Dermatol. 2014 Jan-Feb;32(1):94-100 PMID: 24314382 [https://www.ncbi.nlm.nih.gov/pubmed/24314382]

J Eur Acad Dermatol Venereol. 2015 Jan;29(1):120-7 PMID: 24661420 [https://www.ncbi.nlm.nih.gov/pubmed/24661420]

J Am Acad Dermatol. 2005 May;52(5):859-62 PMID: 15858478 [https://www.ncbi.nlm.nih.gov/pubmed/15858478]

Dermatol Ther (Heidelb). 2014 Jun;4(1):131-5 PMID: 24691652 [https://www.ncbi.nlm.nih.gov/pubmed/24691652]

Dermatol Surg. 2010 Feb;36(2):177-84 PMID: 20039914 [https://www.ncbi.nlm.nih.gov/pubmed/20039914]

Nature. 2017 Feb 2;542(7639):115-118 PMID: 28117445 [https://www.ncbi.nlm.nih.gov/pubmed/28117445]

J Am Acad Dermatol. 2015 Aug;73(2):181-90, quiz 191-2 PMID: 26183967 [https://www.ncbi.nlm.nih.gov/pubmed/26183967]

J Am Acad Dermatol. 2015 Jun;72(6):1027-35 PMID: 25824275 [https://www.ncbi.nlm.nih.gov/pubmed/25824275]

Arch Dermatol. 2004 Sep;140(9):1127-32 PMID: 15381554 [https://www.ncbi.nlm.nih.gov/pubmed/15381554]

Mod Pathol. 2001 Sep;14(9):862-8 PMID: 11557781 [https://www.ncbi.nlm.nih.gov/pubmed/11557781]

Exp Dermatol. 2005 Jun;14(6):429-37 PMID: 15885078 [https://www.ncbi.nlm.nih.gov/pubmed/15885078]

J Eur Acad Dermatol Venereol. 2007 Nov;21(10):1392-7 PMID: 17958847 [https://www.ncbi.nlm.nih.gov/pubmed/17958847]

Arch Dermatol. 2002 Dec;138(12):1556-60 PMID: 12472342 [https://www.ncbi.nlm.nih.gov/pubmed/12472342]

J Am Acad Dermatol. 2014 Mar;70(3):443-8 PMID: 24373777 [https://www.ncbi.nlm.nih.gov/pubmed/24373777]

Australas J Dermatol. 2019 May;60(2):118-125 PMID: 30302753 [https://www.ncbi.nlm.nih.gov/pubmed/30302753]

J Am Acad Dermatol. 2016 Jun;74(6):1093-106 PMID: 26896294 [https://www.ncbi.nlm.nih.gov/pubmed/26896294]

Mol Oncol. 2011 Apr;5(2):124-36 PMID: 21482206 [https://www.ncbi.nlm.nih.gov/pubmed/21482206]

Arch Dermatol. 2004 Sep;140(9):1095-100 PMID: 15381550 [https://www.ncbi.nlm.nih.gov/pubmed/15381550]

J Invest Dermatol. 2010 Aug;130(8):2080-91 PMID: 20393481 [https://www.ncbi.nlm.nih.gov/pubmed/20393481]

Cancer. 1994 Jun 15;73(12):2964-70 PMID: 8199993 [https://www.ncbi.nlm.nih.gov/pubmed/8199993]

J Eur Acad Dermatol Venereol. 2017 Apr;31(4):616-624 PMID: 27987308 [https://www.ncbi.nlm.nih.gov/pubmed/27987308]

Comput Med Imaging Graph. 2009 Mar;33(2):148-53 PMID: 19121917 [https://www.ncbi.nlm.nih.gov/pubmed/19121917]

Arch Dermatol. 2004 Sep;140(9):1087-92 PMID: 15381549 [https://www.ncbi.nlm.nih.gov/pubmed/15381549]

Br J Dermatol. 2005 Nov;153(5):1031-6 PMID: 16225620 [https://www.ncbi.nlm.nih.gov/pubmed/16225620]

J Cutan Pathol. 2005 Jul;32(6):405-12 PMID: 15953373 [https://www.ncbi.nlm.nih.gov/pubmed/15953373]

J Dermatol. 2018 May;45(5):564-570 PMID: 29430695 [https://www.ncbi.nlm.nih.gov/pubmed/29430695]

Br J Dermatol. 2008 Sep;159(3):669-76 PMID: 18616769 [https://www.ncbi.nlm.nih.gov/pubmed/18616769]

J Invest Dermatol. 1993 Mar;100(3):356S-362S PMID: 8440924 [https://www.ncbi.nlm.nih.gov/pubmed/8440924]

J Am Acad Dermatol. 2011 Nov;65(5):1032-47 PMID: 21868127 [https://www.ncbi.nlm.nih.gov/pubmed/21868127]

Arch Dermatol. 2012 May;148(5):592-6 PMID: 22431716 [https://www.ncbi.nlm.nih.gov/pubmed/22431716]

Med J Aust. 1980 Jan 26;1(2):66-9 PMID: 7360090 [https://www.ncbi.nlm.nih.gov/pubmed/7360090]

J Am Acad Dermatol. 2005 Jan;52(1):92-100 PMID: 15627086 [https://www.ncbi.nlm.nih.gov/pubmed/15627086]

J Am Acad Dermatol. 2000 Jan;42(1 Pt 1):25-32 PMID: 10607316 [https://www.ncbi.nlm.nih.gov/pubmed/10607316]

J Am Acad Dermatol. 2019 Dec 5;: PMID: 31812621 [https://www.ncbi.nlm.nih.gov/pubmed/31812621]

J Natl Cancer Inst. 2003 Dec 17;95(24):1878-90 PMID: 14679157 [https://www.ncbi.nlm.nih.gov/pubmed/14679157]

Clin Dermatol. 2002 May-Jun;20(3):270-2 PMID: 12074865 [https://www.ncbi.nlm.nih.gov/pubmed/12074865]

J Invest Dermatol. 2016 Oct;136(10):1955-1960 PMID: 27349862 [https://www.ncbi.nlm.nih.gov/pubmed/27349862]

J Natl Compr Canc Netw. 2018 Oct;16(10):1209-1215 PMID: 30323091 [https://www.ncbi.nlm.nih.gov/pubmed/30323091]

J Am Acad Dermatol. 1996 Dec;35(6):962-8 PMID: 8959956 [https://www.ncbi.nlm.nih.gov/pubmed/8959956]

Dermatol Res Pract. 2018 Jul 15;2018:7439807 PMID: 30105052 [https://www.ncbi.nlm.nih.gov/pubmed/30105052]

Dermatol Surg. 2017 Jun;43(6):792-797 PMID: 28296789 [https://www.ncbi.nlm.nih.gov/pubmed/28296789]

J Am Acad Dermatol. 2018 Mar;78(3):620-621 PMID: 28989109 [https://www.ncbi.nlm.nih.gov/pubmed/28989109]

Arch Dermatol. 2004 May;140(5):552-8 PMID: 15148099 [https://www.ncbi.nlm.nih.gov/pubmed/15148099]

Clin Exp Dermatol. 2020 Mar;45(2):272 PMID: 31389045 [https://www.ncbi.nlm.nih.gov/pubmed/31389045]

J Eur Acad Dermatol Venereol. 2019 Oct;33(10):e372-e374 PMID: 31074539 [https://www.ncbi.nlm.nih.gov/pubmed/31074539]

J Am Acad Dermatol. 2020 Mar;82(3):731-733 PMID: 31325551 [https://www.ncbi.nlm.nih.gov/pubmed/31325551]

Acta Derm Venereol. 2019 Sep 1;99(10):884-888 PMID: 31233181 [https://www.ncbi.nlm.nih.gov/pubmed/31233181]

J Am Acad Dermatol. 2006 Dec;55(6):1089-91 PMID: 17097405 [https://www.ncbi.nlm.nih.gov/pubmed/17097405]

J Am Acad Dermatol. 2014 Jul;71(1):49-55 PMID: 24725478 [https://www.ncbi.nlm.nih.gov/pubmed/24725478]

Arch Dermatol. 2010 Dec;146(12):1444 PMID: 21173339 [https://www.ncbi.nlm.nih.gov/pubmed/21173339]

Actas Dermosifiliogr. 2020 May;111(4):313-316 PMID: 32248945 [https://www.ncbi.nlm.nih.gov/pubmed/32248945]

Cryobiology. 1979 Aug;16(4):348-61 PMID: 487851 [https://www.ncbi.nlm.nih.gov/pubmed/487851]

J Eur Acad Dermatol Venereol. 2016 May;30(5):748-53 PMID: 26299846 [https://www.ncbi.nlm.nih.gov/pubmed/26299846]

J Invest Dermatol. 1960 Jun;34:361-75 PMID: 14422904 [https://www.ncbi.nlm.nih.gov/pubmed/14422904]

Dermatol Clin. 2001 Apr;19(2):307-18 PMID: 11556239 [https://www.ncbi.nlm.nih.gov/pubmed/11556239]

J Eur Acad Dermatol Venereol. 2020 Mar;34(3):510-517 PMID: 31465596 [https://www.ncbi.nlm.nih.gov/pubmed/31465596]

Skin Res Technol. 2020 Jul;26(4):494-502 PMID: 31811677 [https://www.ncbi.nlm.nih.gov/pubmed/31811677]

J Am Acad Dermatol. 1997 Aug;37(2 Pt 1):236-45 PMID: 9270510 [https://www.ncbi.nlm.nih.gov/pubmed/9270510]

G Ital Dermatol Venereol. 2020 Apr;155(2):179-189 PMID: 29683288 [https://www.ncbi.nlm.nih.gov/pubmed/29683288]

Dermatol Surg. 2014 Mar;40(3):247-56 PMID: 24447286 [https://www.ncbi.nlm.nih.gov/pubmed/24447286]

Dermatology. 2019;235(4):340-345 PMID: 31112945 [https://www.ncbi.nlm.nih.gov/pubmed/31112945]

PLoS One. 2013 Dec 05;8(12):e81205 PMID: 24339910 [https://www.ncbi.nlm.nih.gov/pubmed/24339910]

Acta Derm Venereol. 2015 Jan;95(1):83-5 PMID: 24696093 [https://www.ncbi.nlm.nih.gov/pubmed/24696093]

J Am Acad Dermatol. 2019 Jul;81(1):204-212 PMID: 31014825 [https://www.ncbi.nlm.nih.gov/pubmed/31014825]

Br J Dermatol. 2012 Aug;167(2):280-7 PMID: 22404578 [https://www.ncbi.nlm.nih.gov/pubmed/22404578]

J Am Acad Dermatol. 2019 Jan;80(1):208-250 PMID: 30392755 [https://www.ncbi.nlm.nih.gov/pubmed/30392755]

Dermatol Surg. 2005 Jan;31(1):102-3 PMID: 15720105 [https://www.ncbi.nlm.nih.gov/pubmed/15720105]

Arch Pathol Lab Med. 2020 Apr;144(4):500-522 PMID: 32057276 [https://www.ncbi.nlm.nih.gov/pubmed/32057276]

Am J Clin Dermatol. 2005;6(3):151-64 PMID: 15943492 [https://www.ncbi.nlm.nih.gov/pubmed/15943492]

Br J Dermatol. 2005 May;152(5):1039-44 PMID: 15888167 [https://www.ncbi.nlm.nih.gov/pubmed/15888167]

Australas J Dermatol. 2020 May;61(2):125-133 PMID: 31880825 [https://www.ncbi.nlm.nih.gov/pubmed/31880825]

J Am Acad Dermatol. 2013 May;68(5):825-33 PMID: 23267722 [https://www.ncbi.nlm.nih.gov/pubmed/23267722]

Arch Dermatol. 2011 Oct;147(10):1191-5 PMID: 22006136 [https://www.ncbi.nlm.nih.gov/pubmed/22006136]

Dermatol Pract Concept. 2014 Jan 31;4(1):77-82 PMID: 24520520 [https://www.ncbi.nlm.nih.gov/pubmed/24520520]

J Am Acad Dermatol. 2002 Nov;47(5):743-8 PMID: 12399768 [https://www.ncbi.nlm.nih.gov/pubmed/12399768]

JAMA Dermatol. 2018 Aug 1;154(8):879-881 PMID: 29847677 [https://www.ncbi.nlm.nih.gov/pubmed/29847677]

J Invest Dermatol. 1995 Jun;104(6):946-52 PMID: 7769264 [https://www.ncbi.nlm.nih.gov/pubmed/7769264]

J Am Acad Dermatol. 2016 Jun;74(6):1114-20 PMID: 26826051 [https://www.ncbi.nlm.nih.gov/pubmed/26826051]

Actas Dermosifiliogr. 2016 Oct;107(8):e57-63 PMID: 27180003 [https://www.ncbi.nlm.nih.gov/pubmed/27180003]

J Am Acad Dermatol. 2019 Sep;81(3):767-774 PMID: 31150700 [https://www.ncbi.nlm.nih.gov/pubmed/31150700]

J Eur Acad Dermatol Venereol. 2018 Aug;32(8):1284-1291 PMID: 29341263 [https://www.ncbi.nlm.nih.gov/pubmed/29341263]

Cutis. 2017 May;99(5):346-352 PMID: 28632796 [https://www.ncbi.nlm.nih.gov/pubmed/28632796]

Dermatol Clin. 2016 Oct;34(4):421-429 PMID: 27692448 [https://www.ncbi.nlm.nih.gov/pubmed/27692448]

Br J Dermatol. 2014 Jun;170(6):1305-12 PMID: 24641247 [https://www.ncbi.nlm.nih.gov/pubmed/24641247]

Int J Radiat Oncol Biol Phys. 1983 Jul;9(7):1019-21 PMID: 6863069 [https://www.ncbi.nlm.nih.gov/pubmed/6863069]

Eur J Dermatol. 2018 Apr 1;28(2):162-168 PMID: 29620004 [https://www.ncbi.nlm.nih.gov/pubmed/29620004]

Am J Dermatopathol. 2019 Sep;41(9):671-674 PMID: 30730394 [https://www.ncbi.nlm.nih.gov/pubmed/30730394]

J Invest Dermatol. 2020 Apr;140(4):869-877.e16 PMID: 31580843 [https://www.ncbi.nlm.nih.gov/pubmed/31580843]

Plast Reconstr Surg. 2012 Feb;129(2):288e-299e PMID: 22286443 [https://www.ncbi.nlm.nih.gov/pubmed/22286443]

Br J Dermatol. 2002 Feb;146(2):290-4 PMID: 11903242 [https://www.ncbi.nlm.nih.gov/pubmed/11903242]

Dermatol Surg. 2008 Feb;34(2):147-51 PMID: 18093206 [https://www.ncbi.nlm.nih.gov/pubmed/18093206]

N Engl J Med. 2005 Nov 17;353(20):2135-47 PMID: 16291983 [https://www.ncbi.nlm.nih.gov/pubmed/16291983]

J Am Acad Dermatol. 1994 Jul;31(1):75-8 PMID: 8021376 [https://www.ncbi.nlm.nih.gov/pubmed/8021376]

Clin Exp Dermatol. 2013 Aug;38(6):612-6 PMID: 23837933 [https://www.ncbi.nlm.nih.gov/pubmed/23837933]

Dermatol Surg. 2006 Apr;32(4):493-504 PMID: 16681656 [https://www.ncbi.nlm.nih.gov/pubmed/16681656]

Acta Derm Venereol. 2017 Nov 15;97(10):1219-1224 PMID: 28761960 [https://www.ncbi.nlm.nih.gov/pubmed/28761960]

Plast Reconstr Surg. 1992 Sep;90(3):436-40; discussion 441-4 PMID: 1513889 [https://www.ncbi.nlm.nih.gov/pubmed/1513889]

Dermatol Clin. 2016 Oct;34(4):519-526 PMID: 27692458 [https://www.ncbi.nlm.nih.gov/pubmed/27692458]

J Am Acad Dermatol. 2015 May;72(5):801-8 PMID: 25774013 [https://www.ncbi.nlm.nih.gov/pubmed/25774013]

Clin Dermatol. 2002 May-Jun;20(3):276-8 PMID: 12074867 [https://www.ncbi.nlm.nih.gov/pubmed/12074867]

Am J Dermatopathol. 2018 Dec;40(12):884-889 PMID: 29933314 [https://www.ncbi.nlm.nih.gov/pubmed/29933314]

Mol Cancer Ther. 2004 Dec;3(12):1651-8 PMID: 15634659 [https://www.ncbi.nlm.nih.gov/pubmed/15634659]

JAMA Dermatol. 2016 Oct 1;152(10):1093-1098 PMID: 27580185 [https://www.ncbi.nlm.nih.gov/pubmed/27580185]

Sci Data. 2018 Aug 14;5:180161 PMID: 30106392 [https://www.ncbi.nlm.nih.gov/pubmed/30106392]

J Am Acad Dermatol. 2020 Oct;83(4):1057-1063 PMID: 31202873 [https://www.ncbi.nlm.nih.gov/pubmed/31202873]

Dermatology. 2020;236(2):111-116 PMID: 31639788 [https://www.ncbi.nlm.nih.gov/pubmed/31639788]

Arch Dermatol. 2010 May;146(5):492-8 PMID: 20479296 [https://www.ncbi.nlm.nih.gov/pubmed/20479296]

JAMA Dermatol. 2017 Dec 1;153(12):1278-1284 PMID: 29049429 [https://www.ncbi.nlm.nih.gov/pubmed/29049429]

J Dermatolog Treat. 2019 Nov 20;:1-7 PMID: 31696746 [https://www.ncbi.nlm.nih.gov/pubmed/31696746]

JAMA Dermatol. 2019 Jul 1;155(7):782-788 PMID: 31066867 [https://www.ncbi.nlm.nih.gov/pubmed/31066867]

Br J Dermatol. 2009 Dec;161(6):1307-16 PMID: 19566662 [https://www.ncbi.nlm.nih.gov/pubmed/19566662]

Int J Dermatol. 2019 May;58(5):577-581 PMID: 30548854 [https://www.ncbi.nlm.nih.gov/pubmed/30548854]

Am J Pathol. 1969 Apr;55(1):39-67 PMID: 5776171 [https://www.ncbi.nlm.nih.gov/pubmed/5776171]

J Am Acad Dermatol. 2015 Jun;72(6):1047-53 PMID: 25791801 [https://www.ncbi.nlm.nih.gov/

pubmed/25791801]

J Am Acad Dermatol. 2008 Jan;58(1):142-8 PMID: 18029055 [https://www.ncbi.nlm.nih.gov/pubmed/18029055]

Dermatol Surg. 2015 May;41(5):572-8 PMID: 25915625 [https://www.ncbi.nlm.nih.gov/pubmed/25915625]

J Am Acad Dermatol. 2018 Feb;78(2):270-277.e1 PMID: 28969863 [https://www.ncbi.nlm.nih.gov/pubmed/28969863]

Eur J Cancer. 2020 Mar;127:21-29 PMID: 31972395 [https://www.ncbi.nlm.nih.gov/pubmed/31972395]

J Dermatol. 2011 Jan;38(1):53-8 PMID: 21175756 [https://www.ncbi.nlm.nih.gov/pubmed/21175756]

J Am Acad Dermatol. 2012 Mar;66(3):438-44 PMID: 22196979 [https://www.ncbi.nlm.nih.gov/pubmed/22196979]

J Am Acad Dermatol. 2012 Jul;67(1):60-8 PMID: 22030019 [https://www.ncbi.nlm.nih.gov/pubmed/22030019]

Arch Dermatol. 2003 Jul;139(7):945-7 PMID: 12873904 [https://www.ncbi.nlm.nih.gov/pubmed/12873904]

Br J Dermatol. 2014 Jan;170(1):52-8 PMID: 24032599 [https://www.ncbi.nlm.nih.gov/pubmed/24032599]

Pathology. 1983 Jan;15(1):33-5 PMID: 6856341 [https://www.ncbi.nlm.nih.gov/pubmed/6856341]

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4. Change in lentigo maligna score assessed by in vivo reflectance confocal microscopy after 1 month of imiquimod treatment for lentigo maligna management.
Soenen A, Vourc'h M, Khammari A, Nguyen JM, Bossard C, Denis Musquer M, Vergier B, Dreno B
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BACKGROUND: Treatment of lentigo maligna (LM) is challenging because of the potential functional and esthetic surgical sequelae. Imiquimod has been proposed as a treatment for LM. Reflectance confocal microscopy (RCM) is a noninvasive method for the diagnosis of LM and margin assessment.
OBJECTIVES: To compare the overall LM score (LMS) assessed by RCM before and 1 month after the start of imiquimod treatment compared to placebo and to define the immunohistochemical (IHC) profile of responders to imiquimod.

METHODS: A controlled randomized study was conducted. Forty patients underwent RCM examination with calculation of the LMS at baseline and after 1 month of treatment. An IHC analysis of excised tissues was performed.

RESULTS: The 1-month LMS was significantly lower in patients treated with imiquimod compared to those treated with placebo (P < .001). The criteria in the imiquimod-treated patients that demonstrated significant decrease were nonedged papillae; large, round pagetoid cells; atypical cells at the dermoepidermal junction; and follicular location of atypical cells. IHC analysis showed a higher level of interferon gamma in the resected specimens of patients responding to imiquimod (P = .04).

LIMITATIONS: Sample size was small.

CONCLUSION: Assessing the LMS by RCM was useful to monitor LM response to imiquimod accurately.

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5. Reflectance confocal microscopy detects residual or recurrent lentigo maligna after surgery.
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References
Dinnes J, Deeks JJ, Chuchu N et al. Dermoscopy, with and without visual inspection, for diagnosing melanoma in adults. Cochrane Database of Systematic Reviews 2018; 12: https://doi.org/10.1002/14651858.CD011902.pub2.

Navarrete-Dechent C, Cordova M, Aleissa S et al. Lentigo maligna melanoma mapping using reflectance confocal microscopy correlates with staged excision: A prospective study. J Am Acad Dermatol 2019. https://doi.org/10.1016/j.jaad.2019.11.058.

Navarrete-Dechent C, Aleissa S, Cordova M et al. Incompletely excised lentigo maligna melanoma is associated with unpredictable residual disease: clinical features and the emerging role of reflectance confocal microscopy. J Eur Acad Dermatol Venereol 2020; 34: 2280-7. https://doi.org/10.1111/jdv.16272.

Navarrete-Dechent C, Cordova M, Liopyris K et al. Reflectance confocal microscopy and dermoscopy aid in evaluating repigmentation within or adjacent to lentigo maligna melanoma surgical scars. J Eur Acad Dermatol Venereol. 2020; 34: 74-81. https://doi.org/10.1111/jdv.15819.

Erfan N, Cardot-Leccia N, Chignon-Sicard B et al. Reflectance confocal microscopy for recurrent lentigo maligna. Dermatol Surg. 2011; 37: 1519-24. https://doi.org/10.1111/j.1524-4725.2011.02096.x.

Navarrete-Dechent C, Cordova M, Aleissa S et al. Reflectance confocal microscopy confirms residual basal cell carcinoma on clinically negative biopsy sites before Mohs micrographic surgery: A prospective study. J. Am. Acad. Dermatol. 2019; 81: 417-26. https://doi.org/10.1016/j.jaad.2019.02.049.

Marino ML, Rogers T, Sierra Gil H et al. Improving lesion localization when imaging with handheld reflectance confocal microscope. Skin Res Technol. 2016; 22: 519-20. https://doi.org/10.1111/srt.12280.

Guitera P, Pellacani G, Crotty KA et al. The impact of in vivo reflectance confocal microscopy on the diagnostic accuracy of lentigo maligna and equivocal pigmented and nonpigmented macules of the face. J Invest Dermatol. 2010; 130: 2080-91. https://doi.org/10.1038/jid.2010.84.
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6. How can reflectance confocal microscopy help in the diagnosis of pigmented facial macules: A series of 3 cases. De Carvalho N, Fagundes Sortino AM, Martinez Zugaib Abdalla B, Martinez Zugaib Abdalla C

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References
Chen LL, Scope A, De Carvalho N et al. Difficult-to-diagnose facial melanomas: Utility of reflectance confocal microscopy in uncoveringthe diagnosis. JAAD Case Rep. 2017; 3: 379-83.

De Carvalho N, Farnetani F, Ciardo S et al. Reflectance confocal microscopy correlates of dermoscopic patterns of facial lesions help to discriminate lentigo maligna from pigmented nonmelanocytic macules. Br. J. Dermatol. 2015; 173: 128-33.

Vestergaard ME, Macaskill P, Holt PE et al. Dermoscopy compared with naked eye examination for the diagnosis of primary melanoma: a meta-analysis of studies performed in a clinical setting. Br. J. Dermatol. 2008;159:669-76.

Stolz W, Schiffner R, Burgdorf WH. Dermatoscopy for facial pigmented skin lesions. Clin. Dermatol.

2002;20:276-8.

Zalaudek I, Cota C, Ferrara G et al. Flat pigmented macules on sun-damaged skin of the head/neck: junctional nevus, atypical lentiginous nevus, or melanoma in situ? Clin. Dermatol. 2014; 32: 88-93.

Alani A, Ramsay B, Ahmad K. Diagnosis of amelanotic lentigo maligna by using in vivo reflectance confocal microscopy. Acta Derm. Venereol. 2016; 96: 406-7.

Guitera P, Pellacani G, Crotty KA et al. The impact of in vivo reflectance confocal microscopy on the diagnostic accuracy of lentigo maligna and equivocal pigmented and nonpigmented macules of the face. J. Invest Dermatol. 2010; 130: 2080-91.

De Carvalho N, Guida S, Cesinaro AM et al. Pigmented globules in dermoscopy as a clue for lentigomaligna mimicking non-melanocytic skin neoplasms: a lesson from reflectance confocal microscopy. J. Eur. Acad. Dermatol. Venereol. 2016; 3: 878-80.

Nascimento MM, Shitara D, Enokihara MM et al. Inner gray halo, a novel dermoscopic feature for the diagnosis of pigmented actinic keratosis: clues for the differential diagnosis with lentigo maligna. J. Am. Acad. Dermatol. 2014; 71: 708-15.

Persechino F, De Carvalho N, Ciardo S et al. Folliculotropism in pigmented facial macules: Differential diagnosis with reflectance confocalmicroscopy. Exp. Dermatol. 2018; 27: 227-32.
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7. Diagnosis of congenital pigmented macules in infants with reflectance confocal microscopy and machine learning.
Soenen A, Vourc'h M, Dreno B, Chiaverini C, Alkhalifah A, Dessomme BK, Roussel K, Chambon S, Debarbieux S, Monnier J, Bahadoran P, Barbarot S
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8. Evaluating residual melanocytic atypia in a post-excision scar using in vivo reflectance confocal microscopy.
Khan S, Chuchvara N, Cucalon J, Haroon A, Rao B
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9. In vivo optical imaging-guided targeted sampling for precise diagnosis and molecular pathology.
Sahu A, Oh Y, Peterson G, Cordova M, Navarrete-Dechent C, Gill M, Alessi-Fox C, Gonzalez S, Phillips W, Wilson S, Afzalneia R, Rose R, Mohsen AA, Bello D, Marghoob A, Rossi A, Wolchok JD, Merghoub T, Rotemberg V, Jason Chen CS, Rajadhyaksha M
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Conventional tissue sampling can lead to misdiagnoses and repeated biopsies. Additionally, tissue processed for histopathology suffers from poor nucleic acid quality and/or quantity for downstream molecular profiling. Targeted micro-sampling of tissue can ensure accurate diagnosis and molecular profiling in the presence of spatial heterogeneity, especially in tumors, and facilitate acquisition of fresh tissue for molecular analysis. In this study, we explored the feasibility of performing 1-2 mm precision biopsies guided by high-resolution reflectance confocal microscopy (RCM) and optical coherence tomography (OCT), and reflective metallic grids for accurate spatial targeting. Accurate sampling was confirmed with either histopathology or molecular profiling through next generation sequencing (NGS) in 9 skin cancers in 7 patients. Imaging-guided 1-2 mm biopsies enabled spatial targeting for in vivo diagnosis, feature correlation and depth assessment, which were confirmed with histopathology. In vivo 1-mm targeted biopsies achieved adequate quantity and high quality of DNA for next-generation sequencing. Subsequent mutational profiling was confirmed on 1 melanoma in situ and 2 invasive melanomas, using a 505-gene mutational panel called Memorial Sloan Kettering-Integrated mutational profiling of actionable cancer targets (MSK-IMPACT). Differential mutational landscapes, in terms of number and types of mutations, were found between invasive and in situ melanomas in a single patient. Our findings demonstrate feasibility of accurate sampling of regions of interest for downstream histopathological diagnoses and molecular pathology in both in vivo and ex vivo settings with broad diagnostic, therapeutic and research potential in cutaneous diseases accessible by RCM-OCT imaging.

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Intravital. 2014 Apr 30;3(1):e28770 PMID: 28243507 [https://www.ncbi.nlm.nih.gov/pubmed/28243507]

J Am Acad Dermatol. 2014 Oct;71(4):716-724.e1 PMID: 24928707 [https://www.ncbi.nlm.nih.gov/pubmed/24928707]

Biomaterials. 2018 Mar;157:62-75 PMID: 29245052 [https://www.ncbi.nlm.nih.gov/pubmed/29245052]

J Clin Oncol. 2007 Nov 1;25(31):5009-18 PMID: 17971601 [https://www.ncbi.nlm.nih.gov/pubmed/17971601]

J Eur Acad Dermatol Venereol. 2017 Nov;31(11):1828-1833 PMID: 28696052 [https://www.ncbi.nlm.nih.gov/pubmed/28696052]

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J Invest Dermatol. 2012 Oct;132(10):2386-2394 PMID: 22718115 [https://www.ncbi.nlm.nih.gov/pubmed/22718115]

Biomed Opt Express. 2012 Jun 1;3(6):1149-61 PMID: 22741064 [https://www.ncbi.nlm.nih.gov/pubmed/22741064]

JAMA Dermatol. 2017 Apr 1;153(4):334-336 PMID: 28196220 [https://www.ncbi.nlm.nih.gov/pubmed/28196220]

J Mol Diagn. 2015 May;17(3):251-64 PMID: 25801821 [https://www.ncbi.nlm.nih.gov/pubmed/25801821]

Br J Dermatol. 2015 Dec;173(6):1371-80 PMID: 26211438 [https://www.ncbi.nlm.nih.gov/pubmed/26211438]

Arch Dermatol Res. 2021 Sep;313(7):517-529 PMID: 32844312 [https://www.ncbi.nlm.nih.gov/pubmed/32844312]

Cancer. 2005 Nov 15;104(10):2205-13 PMID: 16216029 [https://www.ncbi.nlm.nih.gov/pubmed/16216029]

Lasers Surg Med. 2019 May 8;: PMID: 31067360 [https://www.ncbi.nlm.nih.gov/pubmed/31067360]

Genome Med. 2020 Jan 14;12(1):8 PMID: 31937368 [https://www.ncbi.nlm.nih.gov/pubmed/31937368]

Arch Dermatol. 2009 Oct;145(10):1137-43 PMID: 19841401 [https://www.ncbi.nlm.nih.gov/pubmed/19841401]

J Invest Dermatol. 2010 Aug;130(8):2080-91 PMID: 20393481 [https://www.ncbi.nlm.nih.gov/pubmed/20393481]

JAMA Dermatol. 2015 Oct;151(10):1075-80 PMID: 25993262 [https://www.ncbi.nlm.nih.gov/pubmed/25993262]

PLoS One. 2014 May 30;9(5):e98187 PMID: 24878701 [https://www.ncbi.nlm.nih.gov/pubmed/24878701]

Biomed Opt Express. 2018 Jan 18;9(2):694-704 PMID: 29552405 [https://www.ncbi.nlm.nih.gov/pubmed/29552405]

Genet Med. 2018 Oct;20(10):1196-1205 PMID: 29388947 [https://www.ncbi.nlm.nih.gov/pubmed/29388947]

Aesthet Surg J. 2021 Oct 15;41(11):NP1710-NP1720 PMID: 33252635 [https://www.ncbi.nlm.nih.gov/pubmed/33252635]

Cancer Discov. 2012 May;2(5):401-4 PMID: 22588877 [https://www.ncbi.nlm.nih.gov/pubmed/22588877]

J Magn Reson Imaging. 2008 Feb;27(2):311-25 PMID: 18219685 [https://www.ncbi.nlm.nih.gov/pubmed/18219685]

Science. 1991 Nov 22;254(5035):1178-81 PMID: 1957169 [https://www.ncbi.nlm.nih.gov/pubmed/1957169]

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J Invest Dermatol. 1995 Jun;104(6):946-52 PMID: 7769264 [https://www.ncbi.nlm.nih.gov/pubmed/7769264]

Nature. 2013 Sep 19;501(7467):355-64 PMID: 24048068 [https://www.ncbi.nlm.nih.gov/pubmed/24048068]

J Biomed Opt. 2007 May-Jun;12(3):034027 PMID: 17614735 [https://www.ncbi.nlm.nih.gov/pubmed/17614735]

J Eur Acad Dermatol Venereol. 2016 Aug;30(8):1295-302 PMID: 27230832 [https://www.ncbi.nlm.nih.gov/pubmed/27230832]

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10. Confocal microscopy, dermoscopy, and histopathology features of atypical intraepidermal melanocytic proliferations associated with evolution to melanoma in situ.
Rocha LKFL, Vilain RE, Scolyer RA, Lo SN, Drummond M, Star P, Fogarty GB, Hong AM, Guitera P
International Journal of Dermatology. 61(2):167-174, 2022 Feb.
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BACKGROUND: Atypical intraepidermal melanocytic proliferations (AIMP) is a descriptive term sometimes applied to biopsies that do not fulfill diagnostic criteria of melanoma. They are common on sun-damaged skin, but their definition and management are controversial.
OBJECTIVE: To describe dermoscopic (DS), reflectance confocal microscopic (RCM) and histopathological features of AIMP and identify features associated with subsequent melanoma in situ (MIS).

METHODS: A retrospective analysis of AIMP lesions correlated with patient outcome at two melanoma tertiary centers between 2005 and 2015.

RESULTS: Thirty-four patients were included. Nine (26%) patients had MIS in subsequent biopsies. Predictors of later MIS were target-like pattern (**OR:**12.0 [**CI:** 1.23, 117.41]; P = 0.032) and high-density vascular network (**OR:**12 [**CI:** 1.23-117.41], **P:** 0.032) on DS, and presence of dendritic cells touching each other (**OR:**9.1 [**CI:** 1.54, 54.59], P = 0.014) on RCM. Clinical predictors of worse outcome included a previous history of MIS at the same site. Radiotherapy for AIMP had a high failure rate (all patients presented with recurrent disease, three as AIMP and two as MIS).

CONCLUSIONS: Considering that most cases in this series received non-surgical treatment at baseline, we recommend close monitoring for lesions with target-like pattern and density vascular network on DS and treatment for lesions with progression of atypia and/or with "confluent" dendritic cells on RCM. Although the number of patients in this series is very low, early surgery is recommended for MIS cases that recur as AIMP.

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Zhang J, Miller CJ, Sobanko JF, et al. Frequency of and factors associated with positive or equivocal margins in conventional excision of atypical intraepidermal melanocytic proliferations (AIMP): a single academic institution cross-sectional study. J Am Acad Dermatol 2016; 75: 688-695.

Ackerman AB, Briggs PL, Bravo F. Differential diagnosis in dermatopathology. III. Philadelphia: Lea & Febiger, 1993:166-9. [Context Link]

Weyers W, Bonczkowitz M, Weyers I, et al. Melanoma in situ versus melanocytic hyperplasia in sun damaged skin. Assessment of the significance of histopathologic criteria for differential diagnosis. Am J Dermatopathol 1996; 18: 560-566.

Ensslin CJ, Hibler BP, Lee EH, et al. Atypical melanocytic proliferations: a review of the literature. Dermatol Surg 2018; 44: 159-174.

Pralong P, Bathelier E, Dalle S, et al. Dermoscopy of lentigo maligna melanoma: report of 125 cases. Br J Dermatol 2012; 167: 280-287.

Tiodorovic-Zivkovic D, Argenziano G, Lallas A, et al. Age, gender, and topography influence the clinical and dermoscopic appearance of lentigo maligna. J Am Acad Dermatol 2015; 72: 801-808.

Stolz W, Schiffner R, Burgdorf WH, et al. Dermatoscopy for facial pigmented skin lesions. Clin Dermatol 2002; 20: 276-278.

Lallas A, Tschandl P, Kyrgidis A, et al. Dermoscopic clues to differentiate facial lentigo maligna from pigmented actinic keratosis. Br J Dermatol 2016; 174: 1079-1085.

Guitera P, Pellacani G, Crotty KA, et al. The impact of in vivo reflectance confocal microscopy on the diagnostic accuracy of lentigo maligna and equivocal pigmented and nonpigmented macules of the face. J Investigat Dermatol 2010; 130: 2080-2091.

Fogarty GB, Hong A, Scolyer RA, et al. Radiotherapy for lentigo maligna: a literature review and recommendations for treatment. Br J Dermatol 2014; 170: 52-58.

Marcu LG. The first Rs of radiotherapy: or standing on the shoulders of giants. Australas Phys Eng Sci Med 2015; 38: 531-541.

Fogarty GB, Hong AM, Rocha L, et al. Is more dose and skin reaction required when treating early lentigo maligna definitively with radiotherapy? A case series. Int J Radiol Radiat Ther 2020; 7: 142-145.

Hyde MA, Hadley ML, Tristani-Firouzi P, et al. A randomized trial of the off-label use of imiquimod, 5%, cream with vs without tazarotene, 0.1%, gel for the treatment of lentigo maligna, followed by conservative staged excisions. Arch Dermatol 2012; 148: 592-596.

Jew O, Miller CJ, Shin TM, et al. Diagnostic change from atypical intraepidermal melanocyticproliferation to melanoma is more likely when clinically visible residual pigment remains after biopsy. Dermatol Surg 2018; 44: 1024-1026.

Blank NR, Hibler BP, Tattersall IW, et al. Melanoma and melanoma in-situ diagnosis after excision of atypical intraepidermal melanocytic proliferation (AIMP): a retrospective cross-sectional analysis. J Am Acad Dermatol 2019; 80: 1403-1409.
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11. Case report of a challenging medium-sized congenital melanocytic nevus (CMN): Highlighting a role for reflectance confocal microscopy (RCM) for evaluating changing CMN in children.
Haefliger S, Guitera P, Melhoranse Gouveia B, Colebatch AJ, Scolyer RA, Rtshiladze M, Martin LK
Pediatric Dermatology. 38(6):1549-1552, 2021 Nov.
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A 3.5-month-old boy presented with a changing medium-sized congenital melanocytic nevus on his leg. Due to atypical features on dermoscopy and reflectance confocal microscopy (RCM), an excision of the area of concern was performed. Histopathology showed many of the pathological features usually associated with a diagnosis of melanoma in situ in older patients, but due to the young age of the patient, absence of mitoses, and the degree of atypia, a diagnosis of a dysplastic compound nevus arising in a congenital compound (predominantly dermal) nevus was favored. In our case, RCM corresponded to histopathology helped target the area of concern and map the clinical and subclinical components to facilitate an optimal biopsy.

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REFERENCES

Mooi WJ, Krausz T. Pathology of Melanocytic Disorders, 2nd ed. Taylor and Francis; 2007.

Tannous ZS, Mihm MC, Sober AJ, Duncan LM. Congenital melanocytic nevi: clinical and histopathologic features, risk of melanoma, and clinical management. J Am Acad Dermatol. 2005;52(2):197-203. doi:10.1016/j.jaad.2004.07.020

Marghoob AA, Borrego JP, Halpern AC. Congenital melanocytic nevi: treatment modalities and management options. Semin Cutan Med Surg. 2007;26(4):231-240. doi:10.1016/j.sder.2008.03.007

Krengel S, Scope A, Dusza SW, Vonthein R, Marghoob AA. New recommendations for the categorization of cutaneous features of congenital melanocytic nevi. J Am Acad Dermatol. 2013;68(3):441-451. doi:10.1016/j.jaad.2012.05.043

Kinsler VA, Chong WK, Aylett SE, Atherton DJ. Complications of congenital melanocytic naevi in children: analysis of 16 years' experience and clinical practice. Br J Dermatol. 2008;159(4):907-914. doi:10.1111/j.1365-2133.2008.08775.x

Marghoob AA, Charles CA, Busam KJ, et al. In vivo confocal scanning laser microscopy of a series of congenital melanocytic nevi suggestive of having developed malignant melanoma. Arch Dermatol. 2005;141(11):1401-1412. doi:10.1001/archderm.141.11.1401

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12. Lentigo maligna: defining margins and predictors of recurrence utilizing clinical, dermoscopic, confocal microscopy and histopathology features.
Star P, Rawson RV, Drummond M, Lo S, Scolyer RA, Guitera P
Journal of the European Academy of Dermatology & Venereology. 35(9):1811-1820, 2021 Sep.
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BACKGROUND: Lentigo maligna (LM) is a subtype of melanoma in situ with poorly defined margins and a high recurrence rate. The biological behaviour of LM appears to differ widely between cases, from biologically indolent to biologically active variants, with some patients experiencing multiple recurrences. It is not known whether this is secondary to inadequate margins, field cancerization or the innate biology of the lesion itself.
OBJECTIVES: (a) Describe the margins of LM in detail by analysing LM in three zones, that is centre, edge and surround using reflectance confocal microscopy (RCM) and histopathology; (b) ascertain association of histological distance of LM and atypical melanocytic hyperplasia from the surgical margin with multi-recurrent (MR) disease and (c) identify features (clinical, dermoscopy, RCM and histopathology) associated with MR LM.

METHODS: (1) Descriptive observational study comparing the centre, edge and surround of LM on histopathology and RCM; (2) retrospective cohort study comparing parameters associated with MR and non-recurrent (NR) LM.

RESULTS: 30 patients (median follow-up time 6.2 years) were included. On histopathology, confluent or near confluent lentiginous proliferation, melanocyte density >15 per 0.5 mm and adnexal spread were best for distinguishing surround from edge of LM. On RCM, predominant melanocytes, lentiginous proliferation and pleomorphism distinguished surround from centre/edge. MR patients had a median histological distance of LM from the surgical margin of 2mm (versus NR patients with an average distance of 4mm). MR patients had a greater proportion of more florid features, compared with NR on histopathology at both the centre and the edge but were similar in the surround.

CONCLUSION: These data may help pathologists and confocalists better define margins of LM. More florid features in MR patients, despite a similar background of sun-damaged skin, suggest the innate biology of the lesion rather than the field of cancerization may explain MR LM.

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Florell SR, Boucher KM, Leachman SA et al. Histopathologic recognition of involved margins of lentigo maligna excised by staged excision: an interobserver comparison study. Arch. Dermatol. 2003; 139: 595-604.

Weyers W, Bonczkowitz M, Weyers I, Bittinger A, Schill WB. Melanoma in situ versus melanocytic hyperplasia in sun-damaged skin. Assessment of the significance of histopathologic criteria for differential diagnosis. Am J Dermatopathol 1996; 18: 560-566.

Guitera P, Moloney FJ, Menzies SW et al. Improving management and patient care in lentigo maligna by mapping with in vivo confocal microscopy. JAMA Dermatol 2013; 149: 692-698.

Star P, Guitera P. Lentigo maligna, macules of the face, and lesions on sun-damaged skin: confocal makes the difference. Dermatol Clin 2016; 34: 421-429.

Waddell A, Star P, Guitera P. Advances in the use of reflectance confocal microscopy in melanoma. Melanoma Management 2018; 5: MMT04.

Cinotti E, Fiorani D, Labeille B et al. The integration of dermoscopy and reflectance confocal microscopy improves the diagnosis of lentigo maligna. J Eur Acad Dermatol Venereol 2019; 33: e372-e374.

Couty E, Tognetti L, Labeille B et al. In vivo reflectance confocal microscopy combined with the 'spaghetti technique' for the identification of surgical margins of lentigo maligna: experience in 70 patients. J Eur Acad Dermatol Venereol 2018; 32: e366-e368.

Curiel-Lewandrowski C, Williams CM, Swindells KJ et al. Use of in vivo confocal microscopy in malignant melanoma: an aid in diagnosis and assessment of surgical and nonsurgical therapeutic approaches. Arch Dermatol 2004; 140: 1127-1132.

Wurm EM, Curchin CE, Lambie D, Longo C, Pellacani G, Soyer HP. Confocal features of equivocal facial lesions on severely sun-damaged skin: four case studies with dermatoscopic, confocal, and histopathologic correlation. J Am Acad Dermatol 2012; 66: 463-473.

Chen CS, Elias M, Busam K, Rajadhyaksha M, Marghoob AA. Multimodal in vivo optical imaging, including confocal microscopy, facilitates presurgical margin mapping for clinically complex lentigo maligna melanoma. Br J Dermatol 2005; 153: 1031-1036.

Guitera P, Haydu LE, Menzies SW et al. Surveillance for treatment failure of lentigo maligna with dermoscopy and in vivo confocal microscopy: new descriptors. Br J Dermatol 2014; 170: 1305-1312.

Powell AM, Robson AM, Russell-Jones R, Barlow RJ. Imiquimod and lentigo maligna: a search for prognostic features in a clinicopathological study with long-term follow-up. Br J Dermatol. 2009;160: 994-998.

Guitera P, Pellacani G, Crotty KA et al. The impact of in vivo reflectance confocal microscopy on the diagnostic accuracy of lentigo maligna and equivocal pigmented and nonpigmented macules of the face. J Invest Dermatol 2010; 130: 2080-2091.

Acker SM, Nicholson JH, Rust PF, Maize JC. Morphometric discrimination of melanoma in situ of sun-damaged skin from chronically sun-damaged skin. J Am Acad Dermatol 1998; 39(2 Pt 1): 239-245.

Black WH, Thareja SK, Blake BP, Chen R, Cherpelis BS, Glass LF. Distinction of melanoma in situ from solar lentigo on sun-damaged skin using morphometrics and MITF immunohistochemistry. Am J Dermatopathol 2011; 33: 573-578.

Champin J, Perrot JL, Cinotti E. In vivo reflectance confocal microscopy to optimize the spaghetti technique for defining surgical margins of lentigo maligna. Dermatol Surg. 2014;40: 247-256.

Yelamos O, Cordova M, Blank N. Correlation of handheld reflectance confocal microscopy with radial video mosaicing for margin mapping of lentigo maligna and lentigo maligna melanoma. JAMA dermatol. 2017;153: 1278-1284.
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13. Effect of reflectance confocal microscopy compared to dermoscopy in the diagnostic accuracy of lentigo maligna: A meta-analysis.
Nie T, Jiang X, Zheng B, Zhang Y
International Journal of Clinical Practice. 75(8):e14346, 2021 Aug.
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INTRODUCTION: Many concerns were raised about the sensitivity and specificity outcome of reflectance confocal microscopy compared to dermoscopy for the diagnosis of lentigo maligna. However, the reported relationships between their sensitivity and specificity were variable. Our meta-analysis was performed to clarify this relationship.
METHODS: A systematic literature search up to July 2020 was performed and six included studies had 479 subjects at the baseline with 294 undergoing lentigo maligna diagnoses. They were reporting relationships

between sensitivity and specificity outcome of reflectance confocal microscopy compared to dermoscopy for the diagnosis of lentigo maligna. Mean difference (MD) with 95% confidence intervals (CIs) was calculated to evaluate the prognostic role of the sensitivity and specificity of reflectance confocal microscopy compared to dermoscopy for the diagnosis of lentigo maligna using the continuous method with a random or fixed-effect model.

RESULTS: Reflectance confocal microscopy was significantly related to higher specificity (MD, 19.10; 95% CI, 0.93-37.28, P = .04) compared to dermoscopy in lentigo maligna diagnosis. However, reflectance confocal microscopy was only relatively but not significantly related to higher sensitivity (MD, 14.56; 95% CI, 0.29-28.83, P = .05) compared to dermoscopy in lentigo maligna diagnosis.

CONCLUSIONS: Based on this meta-analysis, the reflectance confocal microscopy compared to dermoscopy in lentigo maligna diagnosis had a significantly higher specificity and relatively higher sensitivity. This relationship forces us to recommend reflectance confocal microscopy in lentigo maligna diagnosis for better outcomes and to avoid any possible false-negative results. Further studies are required.

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Cited References
REFERENCES

Farshad A, Burg G, Panizzon R, Dummer R. A retrospective study of 150 patients with lentigo maligna and lentigo maligna melanoma and the efficacy of radiotherapy using Grenz or soft X-rays. Br J Dermatol. 2002;146:1042-1046.

Menge TD, Hibler BP, Cordova MA, Nehal KS, Rossi AM. Concordance of handheld reflectance confocal microscopy (RCM) with histopathology in the diagnosis of lentigo maligna (LM): a prospective study. J Am Acad Dermatol. 2016;74:1114-1120.

Guilera JM, Barreiro Capurro A, Carrera Alvarez C, Puig Sarda S. The role of reflectance confocal microscopy in clinical trials for tumor monitoring. Dermatol Clin. 2016;34:519-526.

Nehal KS, Gareau D, Rajadhyaksha M. Skin imaging with reflectance confocal microscopy. In: Seminars in Cutaneous Medicine and Surgery. Vol 27. 1st ed. Philadelphia, PA: WB Saunders; 2008:37-43.

Segura S, Puig S, Carrera C, Palou J, Malvehy J. Dendritic cells in pigmented basal cell carcinoma: a relevant finding by reflectance-mode confocal microscopy. Arch Dermatol. 2007;143:883-886.

Nori S, Rius-Diaz F, Cuevas J, et al. Sensitivity and specificity of reflectance-mode confocal microscopy for in vivo diagnosis of basal cell carcinoma: a multicenter study. J Am Acad Dermatol. 2004;51:923-930.

Peppelman M, Nguyen KP, Hoogedoorn L, van Erp P, Gerritsen M-JP. Reflectance confocal microscopy: non-invasive distinction between actinic keratosis and squamous cell carcinoma. J Eur Acad Dermatol Venereol. 2015;29:1302-1309.

Pellacani G, Guitera P, Longo C, Avramidis M, Seidenari S, Menzies S. The impact of in vivo reflectance confocal microscopy for the diagnostic accuracy of melanoma and equivocal melanocytic lesions. J Invest Dermatol. 2007;127:2759-2765.

Ardigo M, Malizewsky I, Dell'Anna MI, Berardesca E, Picardo M. Preliminary evaluation of vitiligo using in vivo reflectance confocal microscopy. J Eur Acad Dermatol Venereol. 2007;21:1344-1350.

Stroup DF, Berlin JA, Morton SC, et al. Meta-analysis of observational studies in epidemiology: a proposal for reporting. JAMA. 2000;283:2008-2012.

Gupta A, Das A, Majumder K, et al. Obesity is independently associated with increased risk of hepatocellular cancer-related mortality. Am J Clin Oncol. 2018;41:874-881.

Hayden JA, van der Windt DA, Cartwright JL, Cote P, Bombardier C. Assessing bias in studies of prognostic factors. Ann Intern Med. 2013;158:280-286.

Higgins JP, Thompson SG, Deeks JJ, Altman DG. Measuring inconsistency in meta-analyses. BMJ. 2003;327:557-560.

Navarrete-Dechent C, Cordova M, Liopyris K, et al. Reflectance confocal microscopy and dermoscopy aid in evaluating repigmentation within or adjacent to lentigo maligna melanoma surgical scars. J Eur Acad Dermatol Venereol. 2020;34:74-81.

Cinotti E, Labeille B, Debarbieux S, et al. Dermoscopy vs. reflectance confocal microscopy for the diagnosis of lentigo maligna. J Eur Acad Dermatol Venereol. 2018;32:1284-1291.

Alarcon I, Carrera C, Alos L, Palou J, Malvehy J, Puig S. In vivo reflectance confocal microscopy to monitor the response of lentigo maligna to imiquimod. J Am Acad Dermatol. 2014;71:49-55.

Guitera P, Haydu LE, Menzies SW, et al. Surveillance for treatment failure of lentigo maligna with dermoscopy and in vivo confocal microscopy: new descriptors. Br J Dermatol. 2014;170:1305-1312.

Gomez-Martin I, Moreno S, Andrades-Lopez E, et al. Histopathologic and immunohistochemical correlates of confocal descriptors in pigmented facial macules on photodamaged skin. JAMA Dermatol. 2017;153:771-780.

Wurm E, Pellacani G, Longo C, et al. The value of reflectance confocal microscopy in diagnosis of flat pigmented facial lesions: a prospective study. J Eur Acad Dermatol Venereol. 2017;31:1349-1354.

Couty E, Tognetti L, Labeille B, et al. In vivo reflectance confocal microscopy combined with the'spaghetti technique'for the identification of surgical margins of lentigo maligna: Experience in 70 patients. J Eur Acad Dermatol Venereol: JEADV. 2018;32:e366-e368.

Ahlgrimm-Siess V, Massone C, Scope A, et al. Reflectance confocal microscopy of facial lentigo maligna and

lentigo maligna melanoma: a preliminary study. Br J Dermatol. 2009;161:1307-1316.

Blumetti TP, Scope A, De Macedo MP, et al. Dermoscopic and reflectance confocal microscopy findings in extra-genital hpv16-associated pigmented squamous cell carcinoma in situ. Acta Dermato-Venereologica. 2016;96:836-837.

De Carvalho N, Farnetani F, Ciardo S, et al. Reflectance confocal microscopy correlates of dermoscopic patterns of facial lesions help to discriminate lentigo maligna from pigmented nonmelanocytic macules. Br J Dermatol. 2015;173:128-133.

Pralong P, Bathelier E, Dalle S, Poulalhon N, Debarbieux S, Thomas L. Dermoscopy of lentigo maligna melanoma: report of 125 cases. Br J Dermatol. 2012;167:280-287.
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14. Flat scalp melanoma dermoscopic and reflectance confocal microscopy features correspond to histopathologic type and lesion location.
Garbarino F, Pampena R, Lai M, Pereira AR, Piana S, Cesinaro AM, Cinotti E, Fiorani D, Ciardo S, Farnetani F, Chester J, Pellacani G, Guitera P, Longo C
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BACKGROUND: Dermoscopy and Reflectance Confocal Microscopy (RCM) features of scalp melanoma according to lesion location and histopathology have not been fully investigated.
OBJECTIVES: To reveal dermoscopic and RCM features of scalp melanoma according to lesion location and histopathology.

METHODS: We retrospectively retrieved images of suspicious, atypical excised, flat melanocytic lesions of the scalp, assessed on dermoscopy and RCM at five centres, from June 2007 to April 2020. Lesions were classified according to histopathological diagnoses of nevi, lentigo maligna melanoma (LM/LMM) or superficial spreading melanoma (SSM). Clinical, dermoscopic and RCM images were evaluated; LM/LMM and SSM subtypes were compared through multivariate analysis.

RESULTS: Two hundred forty-seven lesions were included. In situ melanomas were mostly LM (81.3%), while invasive melanomas were mostly SSM (75.8%). Male sex, baldness and chronic sun-damaged skin were associated with all types of melanomas and in particular with LM/LMM. LMs were mostly located in the vertex area and SSM in the frontal (**OR:** 8.8; P < 0.05, CI 95%) and temporal (**OR:** 16.7; P < 0.005, CI 95%) areas. The dermoscopy presence of pseudo-network, pigmented rhomboidal structures, obliterated hair follicles and annular-granular pattern were associated with LM diagnoses, whereas bluish-white veil was more typical of SSM. Observations on RCM of atypical roundish and dendritic cells in the epidermis were associated with SSM (42.4%) and dendritic cells with LM (62.5%) diagnoses. Folliculotropism on RCM was confirmed as a typical sign of LM.

CONCLUSIONS: Flat scalp melanomas reveal specific dermoscopic and RCM features according to histopathologic type and scalp location.

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J Surg Oncol. 2017 Mar;115(4):449-454 PMID: 28035664 [https://www.ncbi.nlm.nih.gov/pubmed/28035664]

Exp Dermatol. 2014 Jun;23(6):414-8 PMID: 24750486 [https://www.ncbi.nlm.nih.gov/pubmed/24750486]

J Am Acad Dermatol. 2019 Aug;81(2):500-509 PMID: 31009667 [https://www.ncbi.nlm.nih.gov/pubmed/31009667]

Arch Dermatol. 2009 Apr;145(4):418-23 PMID: 19380663 [https://www.ncbi.nlm.nih.gov/pubmed/19380663]

Clin Dermatol. 2014 Jan-Feb;32(1):94-100 PMID: 24314382 [https://www.ncbi.nlm.nih.gov/pubmed/24314382]

Br J Dermatol. 2020 Apr;182(4):927-931 PMID: 31562769 [https://www.ncbi.nlm.nih.gov/pubmed/31562769]

CA Cancer J Clin. 2019 Jan;69(1):7-34 PMID: 30620402 [https://www.ncbi.nlm.nih.gov/pubmed/30620402]

Ann Surg Oncol. 1994 Nov;1(6):487-94 PMID: 7850555 [https://www.ncbi.nlm.nih.gov/pubmed/7850555]

Mod Pathol. 2005 Apr;18(4):469-74 PMID: 15529179 [https://www.ncbi.nlm.nih.gov/pubmed/15529179]

J Eur Acad Dermatol Venereol. 2017 Dec;31(12):e528-e530 PMID: 28602049 [https://www.ncbi.nlm.nih.gov/pubmed/28602049]

Int J Dermatol. 2021 Mar;60(3):340-346 PMID: 33128467 [https://www.ncbi.nlm.nih.gov/pubmed/33128467]

J Eur Acad Dermatol Venereol. 2012 Aug;26(8):953-63 PMID: 21790795 [https://www.ncbi.nlm.nih.gov/pubmed/21790795]

Br J Dermatol. 2012 Aug;167(2):270-9 PMID: 22428802 [https://www.ncbi.nlm.nih.gov/pubmed/22428802]

J Eur Acad Dermatol Venereol. 2019 Jul;33(7):1268-1271 PMID: 30451319 [https://www.ncbi.nlm.nih.gov/pubmed/30451319]

JAMA Dermatol. 2016 Oct 1;152(10):1093-1098 PMID: 27580185 [https://www.ncbi.nlm.nih.gov/pubmed/27580185]

J Eur Acad Dermatol Venereol. 2019 Aug;33(8):1541-1546 PMID: 30974506 [https://www.ncbi.nlm.nih.gov/pubmed/30974506]

Arch Dermatol. 2008 Apr;144(4):515-21 PMID: 18427046 [https://www.ncbi.nlm.nih.gov/pubmed/18427046]

Br J Dermatol. 2018 Jul;179(1):163-172 PMID: 29355898 [https://www.ncbi.nlm.nih.gov/pubmed/29355898]

J Surg Oncol. 2017 Sep;116(3):337-343 PMID: 28543136 [https://www.ncbi.nlm.nih.gov/pubmed/28543136]

Australas J Dermatol. 2017 Aug;58(3):181-188 PMID: 26768190 [https://www.ncbi.nlm.nih.gov/pubmed/26768190]

Melanoma Res. 2012 Oct;22(5):402-5 PMID: 22922466 [https://www.ncbi.nlm.nih.gov/pubmed/22922466]

J Dtsch Dermatol Ges. 2021 Feb;19(2):223-229 PMID: 33166059 [https://www.ncbi.nlm.nih.gov/pubmed/33166059]

Australas J Dermatol. 2017 Nov;58(4):312-316 PMID: 28752561 [https://www.ncbi.nlm.nih.gov/pubmed/28752561]

J Craniomaxillofac Surg. 2014 Jul;42(5):e252-8 PMID: 24216129 [https://www.ncbi.nlm.nih.gov/pubmed/24216129]

J Dermatol. 2014 Jul;41(7):598-603 PMID: 24807635 [https://www.ncbi.nlm.nih.gov/pubmed/24807635]

J Am Acad Dermatol. 2000 Jan;42(1 Pt 1):25-32 PMID: 10607316 [https://www.ncbi.nlm.nih.gov/pubmed/10607316]

Arch Pathol Lab Med. 2020 Apr;144(4):500-522 PMID: 32057276 [https://www.ncbi.nlm.nih.gov/pubmed/32057276]

Clin Plast Surg. 2010 Jan;37(1):73-7 PMID: 19914460 [https://www.ncbi.nlm.nih.gov/pubmed/19914460]

Arch Dermatol. 1998 Dec;134(12):1563-70 PMID: 9875194 [https://www.ncbi.nlm.nih.gov/pubmed/9875194]

J Skin Cancer. 2012;2012:820474 PMID: 23094161 [https://www.ncbi.nlm.nih.gov/pubmed/23094161]

J Eur Acad Dermatol Venereol. 2018 Aug;32(8):1284-1291 PMID: 29341263 [https://www.ncbi.nlm.nih.gov/pubmed/29341263]

Photochem Photobiol Sci. 2019 May 15;18(5):963-969 PMID: 30938378 [https://www.ncbi.nlm.nih.gov/pubmed/30938378]

Dermatol Clin. 2013 Oct;31(4):625-36, ix PMID: 24075550 [https://www.ncbi.nlm.nih.gov/pubmed/24075550]

JAMA Dermatol. 2018 Apr 1;154(4):414-419 PMID: 29466542 [https://www.ncbi.nlm.nih.gov/pubmed/29466542]

J Am Acad Dermatol. 2015 May;72(5):801-8 PMID: 25774013 [https://www.ncbi.nlm.nih.gov/pubmed/25774013]

J Invest Dermatol. 2007 Dec;127(12):2759-65 PMID: 17657243 [https://www.ncbi.nlm.nih.gov/pubmed/17657243]

J Clin Oncol. 2012 May 1;30(13):1462-7 PMID: 22412152 [https://www.ncbi.nlm.nih.gov/pubmed/22412152]

Dermatology. 2020;236(3):241-247 PMID: 31707398 [https://www.ncbi.nlm.nih.gov/pubmed/31707398]

Curr Probl Surg. 2006 Nov;43(11):781-835 PMID: 17112819 [https://www.ncbi.nlm.nih.gov/pubmed/17112819]

J Am Acad Dermatol. 2010 May;62(5):785-93 PMID: 20226567 [https://www.ncbi.nlm.nih.gov/pubmed/20226567]

Dermatol Clin. 2016 Oct;34(4):411-419 PMID: 27692447 [https://www.ncbi.nlm.nih.gov/pubmed/27692447]

Br J Dermatol. 2013 Jul;169(1):58-67 PMID: 23374159 [https://www.ncbi.nlm.nih.gov/pubmed/23374159]

Cancer. 1995 May 15;75(10):2492-8 PMID: 7736393 [https://www.ncbi.nlm.nih.gov/pubmed/7736393]

Br J Dermatol. 2015 Jul;173(1):128-33 PMID: 25413382 [https://www.ncbi.nlm.nih.gov/pubmed/25413382]

J Am Acad Dermatol. 2004 Aug;51(2 Suppl):S88-90 PMID: 15280821 [https://www.ncbi.nlm.nih.gov/pubmed/15280821]

J Eur Acad Dermatol Venereol. 2017 Aug;31(8):1349-1354 PMID: 28214381 [https://www.ncbi.nlm.nih.gov/pubmed/28214381]

Br J Dermatol. 2014 May;170(5):1065-72 PMID: 24641327 [https://www.ncbi.nlm.nih.gov/pubmed/24641327]

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15. Surgical Margin Mapping of Melanoma In Situ Using In Vivo Reflectance Confocal Microscopy Mosaics.
Durkin JR, Tchanque-Fossuo CN, Rose AN, Elwood HR, Stepenaskie S, Barbosa NS
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BACKGROUND: Melanoma in situ (MIS) can have poorly defined borders and subclinical extension that makes margin control challenging. Reflectance confocal microscopy (RCM) is a promising noninvasive technique that can be used to assess subclinical spread.
OBJECTIVE: To optimize surgical margins of histology-proven MIS using RCM mosaics.

MATERIALS AND METHODS: Prospective review of 22 patients with histology-proven MIS who underwent RCM margin mapping prior to staged excision, between August 1, 2018, and August 13, 2020, at the Department of Dermatology, University of New Mexico, School of Medicine.

RESULTS: Twenty patients (91%) had tumor clearance on the first stage using a 3-mm surgical margin after confocal margin mapping.

CONCLUSION: Reflectance confocal microscopy margin mapping using the mosaic device tends to clear MIS in one stage, and the use of the handheld device may improve the accuracy for difficult anatomic areas. Current Procedural Terminology codes for RCM do not reflect the time required and complexity of the procedure. Reflectance confocal microscopy margin mapping prior to excision has the potential to decrease the number of stages needed for melanoma removal, reduce treatment time, and cost.

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Trost L, Bailin P. History of Mohs surgery. Dermatol Clin 2011;29:135-9.

Kwon SY. MSM surgery for melanoma in situ. No Title. Dermatol Clin 2011;29:175-83.

Campbell TMYS. Practical application and decision-making in Mohs micrographic surgery and cutaneous oncology. Oper Tech Otolaryngol Neck Surg 2011;22:101-13.

Walling HW, Scupham RK, Bean AKCR. Staged excision versus Mohs micrographic surgery for lentigo maligna and lentigo maligna melanoma. J Am Acad Dermatol 2007;57:659-64.

Kunishige JH, Brodland DGZJ. Surgical margins for melanoma in situ. J Am Acad Dermatol 2012;66:438-44.

Ellison PM, Zitelli JABD. Mohs micrographic surgery for melanoma: a prospective multicenter study. J Am Acad Dermatol 2019;81:767-74.

Kunishige JH, Doan L, Brodland DGZJ. Comparison of surgical margins for lentigo maligna versus melanoma in situ. J Am Acad Dermatology 2019;81:204-12.

Stigall LE, Brodland DGZJ. The use of Mohs micrographic surgery (MMS) for melanoma in situ (MIS) of the trunk and proximal extremities. J Am Acad Dermatol 2016;75:1015-21.

Foxton GC, Elliott TG, Litterick KA. Treating melanoma in situ and lentigo maligna with Mohs micrographic surgery in Australia. Australas J Dermatol 2019;60:33-7.

Cronin CT, Allen J, Patterson K, O'Donoghue G. Arewe cutting enough? A five-year audit of melanoma excision margins in the South East of Ireland. J Investig Surg 2019;32:264-9.

Rajadhyaksha M, Marghoob A, Rossi A, Halpern AC, et al. Reflectance confocal microscopy of skin in vivo: from bench to bedside. Lasers Surg Med 2017;49:7-19.

Guitera P, Pellacani G, Longo C, Seidenari S, et al. In vivo reflectance confocal microscopy enhances secondary evaluation of melanocytic lesions. J Invest Dermatol 2009;129:131-8.

Pellacani G, Cesinaro AM, Seidenari S. In vivo assessment of melanocytic nests in nevi and melanomas by reflectance confocal microscopy. Mod Pathol 2005;18:469-74.

Mataca E, Migaldi M, Cesinaro AM. Impact of dermoscopy and reflectance confocal microscopy on the histopathologic diagnosis of lentigo maligna/lentigo maligna melanoma. Am J Dermatopathol 2018;40:884-9.

Levine A, Markowitz O. Introduction to reflectance confocal microscopy and its use in clinical practice. JAAD Case Rep 2018;4:1014-23.

Couty E, Tognetti L, Labeille B, Douchet C, et al. In vivo reflectance confocal microscopy combined with the spaghetti technique for the identification of surgical margins of lentigo maligna: experience in 70 patients. J Eur Acad Dermatol Venereol 2018;32:e366-e368.

Hibler BP, Cordova M, Wong RJ, Rossi AM. Intraoperative real-time reflectance confocal microscopy for guiding surgical margins of lentigo maligna melanoma. Dermatol Surg 2015;41:980-3.

Yelamos O, Cordova M, Blank N, Kose K, et al. Correlation of handheld reflectance confocal microscopy with radial video mosaicing for margin mapping of lentigo maligna and lentigo maligna melanoma. JAMA Dermatol 2017;153:1278-84.

Hibler BP, Yelamos O, Cordova M, Sierra H, et al. Handheld reflectance confocal microscopy to aid in the management of complex facial lentigo maligna. Cutis 2017;99:346-52.

Pellacani G, De Pace B, Reggiani C, Cesinaro AM, et al. Distinct melanoma types based on reflectance confocal microscopy. Exp Dermatol 2014;23:414-8.

Gill M, Alessi-Fox C, Kose K. Artifacts and landmarks: pearls and pitfalls for in vivo reflectance confocal microscopy of the skin using the tissue-coupled device. Dermatol Online J 2019;25:0-13.

Coit DG, Thompson JA, Algazi A, Andtbacka R, et al. NCCN Guidelines insights: melanoma, version 3.2016: featured updates to the NCCN guidelines. J Natl Compr Cancer Netw 2016;14:945-58.

Garbe C, Amaral T, Peris K, Hauschild A, et al. European consensus-based interdisciplinary guideline for melanoma. Part 2: treatment-Update 2019. Eur J Cancer 2020;126:159-77.

Connolly KL, Giordano C, Dusza S, Busam KJ, et al. Follicular involvement is frequent in lentigo maligna: implications for treatment. J Am Acad Dermatol 2019;80:532-7.

Zalla MJ, Lim KK, Dicaudo DJ, Gagnot MM. Mohs micrographic excision of melanoma using immunostains. Dermatol Surg 2000;26:771-84.

Albertini JG, Elston DM, Libow LF, Smith SB, et al. Mohs micrographic surgery for melanoma: a case series, a comparative study of immunostains, an informative case report, and a unique mapping technique. Dermatol Surg 2002;28:656-65.

Dawn ME, Dawn AG, Miller SJ. Mohs surgery for the treatment of melanoma in situ: a review. Dermatol Surg 2007;33:395-402.

Fosko SW, Navarrete-Dechent CP, Nehal KS. Lentigo maligna-challenges, observations, imiquimod, confocal microscopy, and personalized treatment. JAMA Dermatol 2018;154:879-81.

Connolly KL, Hibler BP, Lee EH, Rossi AM, et al. Locally recurrent lentigo maligna and lentigo maligna melanoma: characteristics and time to recurrence after surgery. Dermatol Surg 2017;43:792-7.
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16. Planning slow Mohs excision margins for lentigo maligna: a retrospective nonrandomized cohort study comparing reflectance confocal microscopy margin mapping vs. visual inspection with dermoscopy.
Gao JM, Garioch JJ, Fadhil M, Tan E, Shah N, Moncrieff M
British Journal of Dermatology. 184(6):1182-1183, 2021 06.
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References

McKenna JK, Florell SR, Goldman GD, Bowen GM. Lentigo maligna/lentigo maligna melanoma: current state of diagnosis and treatment. Dermatol Surg 2006; 32:493-504.

Cinotti E, Fiorani D, Labeille B et al. The integration of dermoscopy and reflectance confocal microscopy improves the diagnosis of lentigo maligna. J Eur Acad Dermatol Venereol 2019; 33:e372-e374.

Navarrete-Dechent C, Cordova M, Aleissa S et al. Lentigo maligna melanoma mapping using reflectance confocal microscopy correlates with staged excision: a prospective study. J Am Acad Dermatol 2021; https://doi.org/10.1016/j.jaad.2019.11.058

Yelamos O, Cordova M, Blank N et al. Correlation of handheld reflectance confocal microscopy with radial

video mosaicing for margin mapping of lentigo maligna and lentigo maligna melanoma. JAMA Dermatol 2017; 153:1278-84.

Guitera P, Moloney FJ, Menzies SW et al. Improving management and patient care in lentigo maligna by mapping with in vivo confocal microscopy. JAMA Dermatol 2013; 149:692-8.

Couty E, Tognetti L, Labeille B et al. In vivo reflectance confocal microscopy combined with the 'spaghetti technique' for the identification of surgical margins of lentigo maligna: experience in 70 patients. J Eur Acad Dermatol Venereol 2018; 32:e366-e368.
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17. Handheld reflectance confocal microscopy: Personalized and accurate presurgical delineation of lentigo maligna (melanoma).
Elshot YS, Zupan-Kajcovski B, Klop WMC, Bekkenk MW, Crijns MB, de Rie MA, Balm AJM
Head & Neck. 43(3):895-902, 2021 03.
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BACKGROUND: The surgical treatment of lentigo maligna melanoma is associated with high rates of local recurrence. Handheld reflectance confocal microscopy (HH-RCM) allows for in vivo presurgical detection of subclinical lentigo maligna (melanoma) (LM/LMM).
METHODS: A single-center retrospective study from December 2015 to July 2017. Frequency and extent of negative surgical margins, and the diagnostic accuracy of presurgical mapping by HH-RCM was determined.

RESULTS: Twenty-six consecutive patients with LM/LMM were included. In 45.8%, HH-RCM detected subclinical LM with a sensitivity of 0.90 and specificity of 0.86. The management was changed in two (7.7%) patients. Of the 24 remaining lesions, 95.8% were excised with negative margins with a mean histological margin of 3.1 and 5.3 mm for LM and LMM, respectively. At a mean follow-up of 36.7 months, there was one (4.8%) confirmed recurrence.

CONCLUSIONS: Our method of presurgical delineation by HH-RCM appears to provide a reliable method for the surgical treatment of LM/LMM with a limited rate of overtreatment.

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J Invest Dermatol. 2005 Oct;125(4):685-91 PMID: 16185266 [https://www.ncbi.nlm.nih.gov/pubmed/16185266]

Br J Dermatol. 2016 Jan;174(1):165-8 PMID: 26595446 [https://www.ncbi.nlm.nih.gov/pubmed/26595446]

Arch Dermatol. 2008 Sep;144(9):1120-7 PMID: 18794455 [https://www.ncbi.nlm.nih.gov/pubmed/18794455]

J Am Acad Dermatol. 1994 Oct;31(4):691-2 PMID: 8089308 [https://www.ncbi.nlm.nih.gov/pubmed/8089308]

J Am Acad Dermatol. 2014 Jul;71(1):49-55 PMID: 24725478 [https://www.ncbi.nlm.nih.gov/pubmed/24725478]

Plast Reconstr Surg. 2009 Dec;124(6):1947-1955 PMID: 19952650 [https://www.ncbi.nlm.nih.gov/pubmed/19952650]

Dermatol Surg. 2006 Apr;32(4):493-504 PMID: 16681656 [https://www.ncbi.nlm.nih.gov/pubmed/16681656]

JAMA Dermatol. 2017 Dec 1;153(12):1278-1284 PMID: 29049429 [https://www.ncbi.nlm.nih.gov/pubmed/29049429]

Head Neck. 2021 Mar;43(3):895-902 PMID: 33231342 [https://www.ncbi.nlm.nih.gov/pubmed/33231342]

J Am Acad Dermatol. 2016 Sep;75(3):e103-e104 PMID: 27543230 [https://www.ncbi.nlm.nih.gov/pubmed/27543230]

JAMA Dermatol. 2013 Jun;149(6):692-8 PMID: 23553208 [https://www.ncbi.nlm.nih.gov/pubmed/23553208]

Arch Dermatol. 2004 Sep;140(9):1095-100 PMID: 15381550 [https://www.ncbi.nlm.nih.gov/pubmed/15381550]

J Invest Dermatol. 2010 Aug;130(8):2080-91 PMID: 20393481 [https://www.ncbi.nlm.nih.gov/pubmed/20393481]

J Invest Dermatol. 2016 Oct;136(10):1955-1960 PMID: 27349862 [https://www.ncbi.nlm.nih.gov/pubmed/27349862]

J Am Acad Dermatol. 2000 Jan;42(1 Pt 1):25-32 PMID: 10607316 [https://www.ncbi.nlm.nih.gov/pubmed/10607316]

Dermatol Surg. 2011 Sep;37(9):1210-28 PMID: 21631635 [https://www.ncbi.nlm.nih.gov/pubmed/21631635]

Dermatol Surg. 2017 Jun;43(6):792-797 PMID: 28296789 [https://www.ncbi.nlm.nih.gov/pubmed/28296789]

J Eur Acad Dermatol Venereol. 2018 Oct;32(10):1687-1694 PMID: 29704275 [https://www.ncbi.nlm.nih.gov/pubmed/29704275]

Dermatol Surg. 2014 Mar;40(3):247-56 PMID: 24447286 [https://www.ncbi.nlm.nih.gov/pubmed/24447286]

J Eur Acad Dermatol Venereol. 2018 Sep;32(9):e366-e368 PMID: 29573292 [https://www.ncbi.nlm.nih.gov/pubmed/29573292]

JAMA Dermatol. 2018 Aug 1;154(8):879-881 PMID: 29847677 [https://www.ncbi.nlm.nih.gov/pubmed/29847677]

Br J Dermatol. 2014 Jun;170(6):1305-12 PMID: 24641247 [https://www.ncbi.nlm.nih.gov/pubmed/24641247]

J Am Acad Dermatol. 2011 Jan;64(1):113-8 PMID: 21167406 [https://www.ncbi.nlm.nih.gov/pubmed/21167406]

JAMA Dermatol. 2017 Aug 1;153(8):771-780 PMID: 28564685 [https://www.ncbi.nlm.nih.gov/pubmed/28564685]

Plast Reconstr Surg. 2012 Feb;129(2):288e-299e PMID: 22286443 [https://www.ncbi.nlm.nih.gov/pubmed/22286443]

J Clin Oncol. 2009 Dec 20;27(36):6199-206 PMID: 19917835 [https://www.ncbi.nlm.nih.gov/pubmed/19917835]

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18. Application of 3-dimensional reflectance confocal microscopy: Melanocytic proliferations as three-dimensional models.
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19. Utility of confocal microscopy in the management of lentigo maligna and lentigo maligna melanoma.
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20. Reflectance confocal microscopy and its role in the follow-up of a topical treatment for lentigo maligna.
Coco V, Perino F, Di Stefani A, Cappilli S, Peris K
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BACKGROUND: In recent years, there has been an ongoing interest in topical treatment for lentigo maligna (LM) as imiquimod 5% cream owing to the localization of this tumor and the advanced age of patients; however, the efficacy of imiquimod 5% cream is controversial, and the rate of local relapses is about 25-53%. Reflectance confocal microscopy (RCM) is a noninvasive diagnostic tool useful not only for diagnostic purpose but also for monitoring the response to the local treatment of LM. Our aim was to demonstrate the role of RCM in the follow-up of a topical treatment with imiquimod 5% cream in clinical practice.
METHODS: We report three patients with histopathologically confirmed LM who were not candidates for surgery and were successfully treated with imiquimod 5% cream. In such patients, dermatoscopic images and reflectance confocal microscopy were useful to evaluate treatment response and to verify long-term clinical benefits during the follow-up visits.

RESULTS: No relapses were observed in our patients 18 months after the end of treatment; although, continuous follow-up visits are needed in these patients.

CONCLUSIONS: In the case series presented herein, we highlight the importance of RCM as a noninvasive tool to monitor the efficacy of imiquimod to treat LM during and after treatment. Detailed confocal images of two of our patients allowed us to establish the persistence of atypical cells and to continue treatment, although clinical and dermatoscopic examinations showed "apparent complete remission" after the first cycle of therapy.

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Cited References
References
Fensterseifer GS, Lodi AP, Dantas ML, et al. Lentigo maligna of the face: the importance of clinical, dermoscopic, and histological correlation. Dermatol Pract Concept 2019; 9: 292-294.

McLeod M, Choudhary S, Giannakakis G, et al. Surgical treatments for lentigo maligna: a review. Dermatol Surg 2011; 37: 1210-1228.

Tio D, Van der Woude J, Prinsen CAC, et al. A systematic review on the role of imiquimod in lentigo maligna and lentigo maligna melanoma: need for standardization of treatment schedule and outcome measures. J Eur Acad Dermatol Venereol 2017; 31: 616-624.

Swetter SM, Chen FW, Kim DD, et al. Imiquimod 5% cream as primary or adjuvant therapy for melanoma in situ, lentigo maligna type. J Am Acad Dermatol 2015; 72: 1047-1053.

Tannous ZS, Lerner LH, Duncan LM, et al. Progression to invasive melanoma from malignant melanoma in situ, lentigo maligna type. Hum Pathol 2000; 31: 705-708.

Osborne JE, Hutchinson PE. A follow-up study to investigate the efficacy of initial treatment of lentigo maligna with surgical excision. Br J Plast Surg 2002; 55: 611-615.

Fosko SW, Navarrete-Dechent CP, Nehal KS. Lentigo maligna-challenges, observations, imiquimod, confocal microscopy, and personalized treatment. JAMA Dermatol 2018; 154: 879-881.

Donigan JM, Hyde MA, Goldgar DE, et al. Rate of recurrence of lentigo maligna treated with off-label neoadjuvant topical imiquimod, 5%, cream prior to conservatively staged excision. JAMA Dermatol. 2018; 154: 885-889.

Cotter MA, McKenna JK, Bowen GM. Treatment of lentigo maligna with imiquimod before staged excision. Dermatol Surg 2008; 34: 147-151.

Astorino S, Astorre P, Pasquini P, et al. Imiquimod 5% cream in occlusion, for the treatment of lentigo maligna: a new scheme of short cycles and the need for clinical trials. Dermatol Ther 2018; e12757.
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21. Spitz nevus and infliximab: association or coincidence?.
Queiros CS, Laureano-Oliveira A, Lopez-Presa D, Filipe P
Anais Brasileiros de Dermatologia. 95(5):615-618, 2020 Sep - Oct.
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Biological therapies, including anti-TNF agents, are important in the treatment of various chronic inflammatory diseases, including psoriasis, rheumatoid arthritis or inflammatory bowel disease. The increased use of these drugs translates into an increasing awareness of its adverse effects, which include malignancy. In this paper, we describe the case of a 28-year-old woman who developed a spitzoid melanocytic tumor after starting infliximab therapy for ulcerative colitis. The evidence for causality between anti-TNF and melanocytic proliferations is still sparse; nonetheless, treatment-associated immunosuppression seems to play a key role in this phenomenon. Therefore, a regular follow-up with a rigorous skin examination is essential in these patients. Noninvasive techniques such as dermoscopy or reflectance confocal microscopy are particularly useful diagnostic tools in these circumstances.

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Clin Rheumatol. 2016 Jan;35(1):1-18 PMID: 26573205 [https://www.ncbi.nlm.nih.gov/pubmed/26573205]

Australas J Dermatol. 2014 May;55(2):156-7 PMID: 24720429 [https://www.ncbi.nlm.nih.gov/pubmed/24720429]

Cytokine. 2018 Jan;101:78-88 PMID: 27688201 [https://www.ncbi.nlm.nih.gov/pubmed/27688201]

Dermatology. 2010 Aug;221(1):9-12 PMID: 20484878 [https://www.ncbi.nlm.nih.gov/pubmed/20484878]

Br J Dermatol. 2006 May;154(5):880-4 PMID: 16634890 [https://www.ncbi.nlm.nih.gov/pubmed/16634890]

Cochrane Database Syst Rev. 2018 Dec 04;12:CD013190 PMID: 30521681 [https://www.ncbi.nlm.nih.gov/pubmed/30521681]

Br J Dermatol. 2014 May;170(5):1170-2 PMID: 24328939 [https://www.ncbi.nlm.nih.gov/pubmed/24328939]

Dermatol Online J. 2011 Aug 15;17(8):12 PMID: 21906492 [https://www.ncbi.nlm.nih.gov/pubmed/21906492]

Br J Dermatol. 2017 Apr;176(4):1098-1100 PMID: 27515761 [https://www.ncbi.nlm.nih.gov/pubmed/27515761]

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22. In vivo and ex vivo confocal microscopy for the evaluation of surgical margins of melanoma.
Cinotti E, Belgrano V, Labeille B, Grivet D, Douchet C, Chauleur C, Cambazard F, Thomas A, Prade V, Tognetti L, Cartocci A, Rubegni P, Perrot JL
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We report the first series of melanomas (MMs) where the surgical margins were evaluated both by ex vivo confocal microscopy (EVCM) and in vivo reflectance confocal microscopy (RCM). We evaluated the surgical margins of 42 cutaneous MMs of lentigo maligna/lentigo maligna melanoma type and 2 mucosal MMs with EVCM. Cutaneous MMs also underwent RCM mapping. Imaging results were compared with histopathology. The rate of correct identification of the tumor margins (invaded or not invaded) was 97.6% for RCM (evaluations of cutaneous MMs) and 95.5% for EVCM (evaluations of both cutaneous and mucosal MMs). Our study showed that the MM extension is visible under EVCM and that the combination of in vivo RCM and EVCM can be a new strategy for the evaluation of surgical margins of MMs.

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REFERENCES
E. Cinotti, D. Fiorani, B. Labeille, S. Gonzalez, S. Debarbieux, M. Agozzino, M. Ardigo, F. Lacarrubba, F. Farnetani, C. Carrera, G. Cevenini, F. Le Duff, L. Tognetti, G. Pellacani, P. Rubegni, J. L. Perrot, J. Eur. Acad. Dermatol. Venereol. 2019, 33, e372.

E. Cinotti, C. Jaffelin, V. Charriere, P. Bajard, B. Labeille, A. Witkowski, F. Cambazard, J.-L. Perrot, J. Am. Acad. Dermatol. 2015, 73, 319.

E. Couty, L. Tognetti, B. Labeille, C. Douchet, C. Habougit, C. Couzan, A. C. Biron-Schneider, F. Cambazard, V. Prade, P. Rubegni, E. Cinotti, J. L. Perrot, J. Eur. Acad. Dermatol. Venereol. 2018, 32, e366.

J. Champin, J.-L. Perrot, E. Cinotti, B. Labeille, C. Douchet, G. Parrau, F. Cambazard, P. Seguin, T. Alix, Dermatol. Surg. 2014, 40, 247.

G. Pellacani, N. D. Carvalho, S. Ciardo, B. Ferrari, A. M. Cesinaro, F. Farnetani, S. Bassoli, P. Guitera, P. Star, R. Rawson, E. Rossi, C. Magnoni, G. Gualdi, C. Longo, A. Scope, J. Eur. Acad. Dermatol. Venereol. 2018, 32, 1687.

C. Navarrete-Dechent, M. Cordova, S. Aleissa, K. Liopyris, S. W. Dusza, K. Kose, K. J. Busam, T. Hollman, C. Lezcano, M. Pulitzer, C.-S. J. Chen, E. H. Lee, A. M. Rossi, K. S. Nehal, J. Am. Acad. Dermatol. 2019. [Epub ahead of print].

O. Yelamos, M. Cordova, N. Blank, K. Kose, S. W. Dusza, E. Lee, M. Rajadhyaksha, K. S. Nehal, A. M. Rossi, JAMA Dermatol. 2017, 153, 1278.

E. Cinotti, J. L. Perrot, B. Labeille, F. Cambazard, P. Rubegni, Dermatol. Pract. Concept 2018, 8, 109.

C. Longo, R. Pampena, C. Bombonato, S. Gardini, S. Piana, M. Mirra, M. Raucci, A. Kyrgidis, G. Pellacani, M. Ragazzi, Br. J. Dermatol. 2019, 180, 1473.

A. Bennassar, C. Carrera, S. Puig, A. Vilalta, J. Malvehy, JAMA Dermatol. 2013, 149, 839.

E. Cinotti, M. Haouas, D. Grivet, J. L. Perrot, Dermatol. Surg. 2015, 41, 1437.

D. Hartmann, S. Krammer, S. Vural, M. R. Bachmann, C. Ruini, M. Sardy, T. Ruzicka, C. Berking, T. von Braunmuhl, J. Biophotonics 2018, 11, 10.

D. Hartmann, S. Krammer, C. Ruini, T. Ruzicka, T. von Braunmuhl, Lasers Med. Sci. 2016, 31, 921.

C. Bordeianu, A. Parat, S. Piant, A. Walter, C. Zbaraszczuk-Affolter, F. Meyer, S. Begin-Colin, S. Boutry, R. N. Muller, E. Jouberton, J.-M. Chezal, B. Labeille, E. Cinotti, J.-L. Perrot, E. Miot-Noirault, S. Laurent, D. Felder-Flesch, Mol. Pharm. 2018, 15, 536.

D. Hartmann, C. Ruini, L. Mathemeier, M. R. Bachmann, A. Dietrich, T. Ruzicka, T. von Braunmuhl, J. Biophotonics 2017, 10, 128.

V. Q. Chung, P. J. Dwyer, K. S. Nehal, M. Rajadhyaksha, G. M. Menaker, C. Charles, S. B. Jiang, Dermatol. Surg. 2004, 30, 1470.

A. Bennassar, A. Vilata, S. Puig, J. Malvehy, Br. J. Dermatol. 2014, 170, 360.

C. Longo, M. Rajadhyaksha, M. Ragazzi, K. Nehal, S. Gardini, E. Moscarella, A. Lallas, I. Zalaudek, S. Piana, G. Argenziano, G. Pellacani, Br. J. Dermatol. 2014, 171, 561.

S. Ziefle, D. Schule, H. Breuninger, W. Schippert, M. Moehrle, Arch. Dermatol. 2010, 146, 843.

M. Espinasse, E. Cinotti, D. Grivet, B. Labeille, V. Prade, C. Douchet, F. Cambazard, G. Thuret, P. Gain, J. L. Perrot, Clin. Experiment. Ophthalmol. 2016, 45, 442.

P. Guitera, G. Pellacani, K. A. Crotty, R. A. Scolyer, L.-X. L. Li, S. Bassoli, M. Vinceti, H. Rabinovitz, C. Longo, S. W. Menzies, J. Invest. Dermatol. 2010, 130, 2080.

E. Cinotti, J. L. Perrot, B. Labeille, H. Adegbidi, F. Cambazard, Dermatol. Surg. 2012, 38, 1962.

E. Cinotti, A. Singer, B. Labeille, D. Grivet, P. Rubegni, C. Douchet, F. Cambazard, G. Thuret, P. Gain, J. L. Perrot, JAMA Ophthalmol. 2017, 135, 845.

A. Iovieno, C. Longo, M. De Luca, S. Piana, L. Fontana, M. Ragazzi, Am. J. Ophthalmol. 2016, 168, 207.

M. Abdelmalek, M. P. Loosemore, M. A. Hurt, G. Hruza, Arch. Dermatol. 2012, 148, 599.

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063X&isbn=&volume=13&issue=11&spage=e202000179&pages=e202000179&date=2020&title=Journal+of+Biophotonics&atitle=In+vivo+and+ex+vivo+confocal+microscopy+for+the+evaluation+of+surgical+margins+of+melanoma.&aulast=Cinotti

23. The role of reflectance confocal microscopy in differentiating melanoma in situ from dysplastic nevi with severe atypia: A cross-sectional study.
Fraga-Braghiroli N, Grant-Kels JM, Oliviero M, Rabinovitz H, Ferenczi K, Scope A
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BACKGROUND: Melanoma in situ and dysplastic nevi with severe atypia present overlapping histopathologic features. Reflectance confocal microscopy findings can be integrated with the dermatopathology report to improve differentiation between melanoma and dysplastic nevi with severe atypia.
OBJECTIVE: To compare prevalence of reflectance confocal microscopy findings between melanoma in situ and dysplastic nevi with severe atypia.

METHODS: This retrospective observational study compared reflectance confocal microscopy findings in dermatopathologically diagnosed dysplastic nevi with severe atypia and melanoma in situ, collected between 2007 and 2017 at a private pigmented-lesion clinic. Concordant pathologic diagnosis was defined as unanimous agreement between 3 dermatopathologists who independently reviewed all cases; all other cases were classified as discordant.

RESULTS: The study included 112 lesions, 62 concordant melanomas in situ, 28 concordant dysplastic nevi with severe atypia, and 22 discordant lesions. In comparing reflectance confocal microscopy findings in concordant cases, melanoma in situ showed more frequently than dysplastic nevi with severe atypia the presence of epidermal atypical melanocytes as round cells (19/62 vs 0/28; P < .001) and dendritic cells (50/62 vs 6/28; P < .001), as well as a diffuse distribution of epidermal atypical melanocytes (50/54 vs 3/6; P = .002). In contrast, dysplastic nevi with severe atypia showed the presence of dense melanocytic nests more frequently than melanoma in situ did (15/28 vs 14/62; P = .003).

LIMITATIONS: The study was based on a limited number of lesions originating from a single clinic.

CONCLUSIONS: Reflectance confocal microscopy findings may help differentiate a subset of dysplastic nevi with severe atypia from melanoma in situ.

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24. Application and challenge of reflectance confocal microscopy in the diagnosis of pigmented nevus.
Tang Z, Huang J, Lu J, Chen J, Guo A, Ding S
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OBJECTIVE: To investigate the application and challenge of reflectance confocal microscopy (RCM) in the diagnosis of pigmented nevus.
METHOD: A total of 997 patients with clinical diagnosis of pigmented nevus were included in the study, and RCM imaging was performed on the lesion of each patient. A biopsy was performed in 78 of these patients for histological diagnosis. We retrospectively analyzed the results of RCM diagnosis and histological diagnosis and then found the RCM characteristics of the histologically confirmed lesion.

RESULTS: According to the RCM images, 823 of the 997 (82.55%) patients were diagnosed with pigmented nevus, while 113 (11.33%) were not diagnosed by dermatologists using RCM. Of the 78 biopsy lesions, 36 of the 46 (78.26%) cases diagnosed with pigmented nevus were consistent with histological diagnosis, while three were rediagnosed with dermatofibromas, four were seborrheic keratosis, one was malignant melanoma in situ, and two were lentigo.

CONCLUSION: RCM exhibits a high diagnostic accuracy for patients with clinical diagnosis of pigmented nevus. However, due to the limitation of RCM scanning depth and the commonality of the microscopic characteristics of related diseases, RCM still faces certain challenges in the diagnosis of pigmented nevus.

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Bravo Puccio F, Chian C. Acral junctional nevus versus acral lentiginous melanoma in situ: a differential diagnosis that should be based on clinicopathologic correlation. Arch Pathol Lab Med. 2011;135(7):847-852.

Meyer LE, Otberg N, Sterry W, Lademann J. In vivo confocal scanning laser microscopy: comparison of the reflectance and fluorescence mode by imaging human skin. J Biomed Opt. 2006;11(4):044012.

Yelamos O, Jain M, Busam KJ, Marghoob AA. Recurrent nevus as a pitfall of melanoma diagnosis under reflectance confocal microscopy. Australas J Dermatol. 2018;59(3):227-229.

Mandel VD, Bombonato C, Pampena R, et al. Integration of dermoscopy and reflectance confocal microscopy for distinguishing melanomas from nevi of the breast area. J Eur Acad Dermatol Venereol. 2018;32(6):940-946.

Carrera C, Marghoob AA. Discriminating nevi from melanomas: clues and pitfalls. Dermatol Clin. 2016;34(4):395-409.

Carrera C, Palou J, Malvehy J, et al. Early stages of melanoma on the limbs of high-risk patients: clinical, dermoscopic, reflectance confocal microscopy and histopathological characterization for improved recognition. Acta Derm Venereol. 2011;91(2):137-146.

Chuah SY, Tee SI, Tan WP, et al. Reflectance confocal microscopy is a useful non-invasive tool in the in vivo diagnosis of pigmented basal cell carcinoma in Asians. Australas J Dermatol. 2017;58(2):130-134.

Guo A, Chen J, Yang C, Ding Y, Zeng Q, Tan L. The challenge of diagnosing seborrheic keratosis by reflectance confocal microscopy. Skin Res Technol. 2018;24(4):663-666.

Stanganelli I, Longo C, Mazzoni L, et al. Integration of reflectance confocal microscopy in sequential dermoscopy follow-up improves melanoma detection accuracy. Br J Dermatol. 2015;172(2):365-371.

Batani A, Branisteanu DE, Ilie MA, et al. Assessment of dermal papillary and microvascular parameters in psoriasis vulgaris using in vivo reflectance confocal microscopy. Exp Ther Med. 2018;15(2):1241-1246.

Manfredini M, Greco M, Farnetani F, et al. In vivo monitoring of topical therapy for acne with reflectance confocal microscopy. Skin Res Technol. 2017;23(1):36-40.

Gerger A, Koller S, Kern T, et al. Diagnostic applicability of in vivo confocal laser scanning microscopy in melanocytic skin tumors. J Invest Dermatol. 2005;124(3):493-498.

Langley RGB, Walsh N, Sutherland AE, et al. The diagnostic accuracy of in vivo confocal scanning laser microscopy compared to dermoscopy of benign and malignant melanocytic lesions: a prospective study. Dermatology. 2007;215(4):365-372.

Segura S, Puig S, Carrera C, Palou J, Malvehy J. Development of a two-step method for the diagnosis of melanoma by reflectance confocal microscopy. J Am Acad Dermatol. 2009;61(2):216-229.

Jing Y, Shen C-B, Xue KE, et al. Reflectance confocal microscopy characteristics for melanocytic nevi. Chin Med J. 2019;132(20):2510-2511.

Skvara H, Plut U, Schmid JA, Jonak C. Combining in vivo reflectance with fluorescence confocal microscopy provides additive information on skin morphology. Dermatol Pract Concept. 2012;2(1):3-12.
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