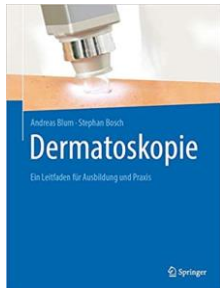


Andreas Blum, MD M.Sc. (DermPrevOncol)

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Practice of Dermatology
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Curriculum vitae

- Birthday* 28. June 1964, Lausanne / Suisse
- Nationality* German
- Family* Married with Dr. Dorothea Blum, psychologist, PhD
1992 birth of our twins
- Education* 1970-1984 Tuebingen and Jesuits-College St. Blasien (Germany)
- Military service* July 1984 - September 1985
Military hospital in Munich and Wildbad (Germany)
- Studies* October 1985 - April 1987
Bio-medical technology (3 terms) Juelich, Germany
- October 1986 - Juli 1987
Psycho-biology, Eberhard-Karls-University Tuebingen, Germany
- April 1987 - September 1989
Medicine, Westfaelische Wilhelms-University, Muenster, Germany
- October 1989 - July 1990
Medicine, Université de Droit et Santé and Université de la Faculté libre de Médecine of Lille, France
- August 1990 - May 1993
Medicine, Eberhard-Karls-University Tuebingen, Germany
- Doctoral thesis* Abstinence of alcohol during pregnancy and outcome of the newborn. Universities of Tuebingen, Muenster (Germany) and Lille (France), May 1994
- Habilitation (PhD)* Diagnostic of pigmented skin tumours by dermoscopy and digital analysis. University of Tuebingen, Germany, December 2001

Professional life July 1993 – December 1997
Lecturer at the Department of Dermatology, University of Tuebingen, Germany (Head: Professor Dr. G. Rassner)

January 1998 – December 2001
Dermatologist and Lecturer at the Department of Dermatology, University of Tuebingen, Germany (Head: Professor Dr. G. Rassner)

January 2002 – June 2004
Senior Lecturer and Assistant Professor at the Department of Dermatology, University of Tuebingen, Germany (Head: Professor Dr. G. Rassner, succeeded by Professor Dr. M. Roecken)

Since July 2004
Private and Teaching Practice of Dermatology, Konstanz, Germany (> 10,000 new pts. in more than 15,000 consultations per year – > 500 Mohs surgery and >500 new malignant skin tumours per year with a malignant-benign-excision ration of 1:3)

Since 2006
Associate Professor at the Faculty of Medicine of the University of Tuebingen, Germany

January 2009 – November 25, 2013
Registered on the General Medical Council (GMC) of United Kingdom of England (Reference Number 7030607)
From November 25, 2013 -- Relinquish status at the GMC

January 2009 – December 2013
Teledermoscopy for The Mole Clinic, London and the National Health System (NHS), London, Great Britain (around 200 cases per month)
From August 2013 – Second opinion and Clinical Adviser for The Mole Clinic

2010-2012
Member of the German Melanoma-Guideline-Committee (Section Diagnosing and Dermoscopy)

Since October 2014
Academic Expert on Dermoscopy and Preventive Dermato-Oncology (University of Graz, Austria)

Master of Science Since October 2015
Master of Science in Dermoscopy and Preventive Dermato-Oncology (M. Sc. DermPrevOncol) (University of Graz, Austria)

Details

18 months	Conservative and operative ward
18 months	OP-theatre
48 months	Out-patient department with operation theatre, melanoma hotline, pigmented lesions clinic, follow-up of melanoma patients, phlebology, proctology
6 months	Allergy-unit

18 months Ultrasound and Andrology

Since 1994 Ultrasound of lymph node in the follow-up of melanoma patients
Since 1994 Dermoscopy
1998 Establishing of the Pigmented Lesions Clinic and Melanoma Hotline

1999 - 2004 Unit of UV-therapy

April 1999 – March 2003
Head of the Unit of UV- therapy
(UVA, UVB, 311nm, bath-, creme and systemic PUVA, KUVA)

2000 – 2004
Consultant service for the Departments of Medicine, Surgery, Pediatrics, Gynaecology, Neurology, Radiology, Orthopaedics and Psychiatry of the University of Tuebingen

2001 – 2004
Responsible for student-teaching (students from year 3 to 6)

2001 - 2004
On call duties for the University of Tuebingen

2001 - 2004
Head of Ultrasound-Unit
2001- 2003
Head of OP-theatre (Out Patient Department)

2002 - 2004
Deputy head of the Out Patient Department and Phlebology-unit

2002 - 2004
Committee member for selection of Medical Students to the University of Tuebingen, Germany

Since 2004
Consultant service for the Departments of Medicine, Surgery, Pediatrics, Gynaecology, Neurology, Radiology, Orthopaedics and Psychiatry of the Hospitals of Konstanz, Germany

Qualifications

- Dermatologist (1998)
- Allergology (1998)
- Ultrasound (1998)
- Phlebology (2001)
- Lectureship (2001)
- Management and Leadership in the Hospital (2002-2003)
- Ass. Professor of the Medical Faculty of the University of Tuebingen (2006)
- Coordinator of Educational Activities Committee of the International Dermoscopy Society (IDS) (2008)

Faculty member of the International Dermoscopy Diploma
of the University of Graz/Austria (2012)
Academic Expert in Dermoscopy and Preventive Dermatocology (University
of Graz, Austria) (2014)
Master of Science in Dermoscopy and Preventive Dermato-Oncology
(M. Sc. DermPrevOncol) (University of Graz, Austria) (2015)

Research

Dermoscopy (national and international studies)
Benign and malignant skin cancer
UV-therapy
Ultrasound
Skin surgery
Public health
Tele-Dermatology and Tele-Dermoscopy

*Residencies
for research*

Sydney Melanoma Unit (Head: Prof. Dr. W. H. McCarthy),
Royal Alfred Prince Hospital, University of Sydney, Australia, 1996

Melbourne Center for Behavioural Research in Cancer
(Direktor: Dr. David Hill), Anti-Cancer Council of Victoria,
Melbourne, Australia, 1996

Department of Dermatology, University of Graz (Head: Prof. Dr. H. Kerl),
1999

Department of Dermatology, University of Graz (Head: Prof. Dr. H. Kerl),
2002

*Organisations
of conferences/
meetings*

Dermoscopy (since 2000 national and international meetings)
Skin cancer (since 1998)
Prevention (since 1997)
Ultrasound (1997-2019)

Memberships

German Society of Dermatology
German Cancer Society, Section Dermatological Oncology
International Dermoscopy Society
German Society of Ultrasound in Medicine (until Dec 2020)

Honorary Member
Maltese Association of Dermatology and Venereology (MADV)

Reviews

Journals

(Archives of) JAMA Dermatology
British Journal of Dermatology
Dermatology
Dermatology Practical & Conceptual
Deutsche Medizinische Wochenschrift (DMW)
Hautarzt
Indian Journal of Dermatology
International Journal of Cancer
Journal of Cutaneous Medicine and Surgery
Journal of the American Academy of Dermatology

Journal of the European Academy of Dermatology and Venerology
Journal der Deutschen Dermatologischen Gesellschaft (JDDG)
Lancet Oncology
Melanoma Research
Preventive Medicine

Books

Thieme
Urban & Fischer
Springer

Publications > 220

Abstracts > 100

Books (editor) 5

Bookchapters > 40

Presentations > 1.700

Posters > 75

Special lectures in dermoscopy for national and international dermatological societies, conferences, meetings, departments, institutes or companies

Academia Mexicana De Dermatologica, Mexico
Aegean Dermatology Days, Turkey
American Acedemy of Dermatology (AAD), USA
As'ad Al-Hamad Dermatological Center and Institute of Medical
Specialization (KIMS), Kuwait
Atelier de Dermoscopie de Nice, France
Aventis, Germany
Chilean Society of Dermatology, Chile
Departments of Dermatology
Akureyri, Iceland
Augsburg, Germany
Berlin, Germany
Bochum, Germany
Bonn, Germany
Bremen, Germany
Brisbane, Australia
Camargo Hospital, São Paulo, Brasil
Carol Davila University, Bucharest, Rumänien
Diagnostiskt Centrum Hud, Malmö, Schweden
Dortmund, Germany
Dresden, Germany
Düsseldorf, Germany
Edinburgh, Scotland/UK
Erlangen, Germany
Essen, Germany

Frankfurt, Germany
Freiburg, Germany
Geneva, Switzerland
Giessen, Germany
Graz, Austria
Hamburg, Germany
Hamilton Hospital, New Zealand
Hannover, Germany
Heilbronn, Germany
Homburg/Saar, Germany
Jena, Germany
Karlsruhe, Germany
Kecemet, Hungary
Kiel, Germany
Kuwait City, Kuwait
Leipzig, Germany
London, UK
Lyon, France
Mannheim, Germany
München, Germany
Nice, France
Oldenburg, Germany
Paris, France
Pecs, Hungary
Phnom Penh, Cambodia
Recklinghausen, Germany
Regensburg, Germany
Reykjavik, Iceland
Rome, Italia
Sydney Melanoma Unit, Australia
St. Gallen, Switzerland
Stuttgart, Germany
Tokyo Women's Medical University Medical Center East, Japan
Tuebingen, Germany
Ulm, Germany
Venice, Italia
Vienna, Austria
Würzburg, Germany
Zurich, Switzerland
Dermoscopy Seminar Malta, Malta
Dermatological Society of South Africa
Dermatologische Wissenschafts- und Fortbildungsakademie NRW, Ger.
Deutsche Dermatologische Gesellschaft (DDG)
DDG Kompakt & Praxisnah
Deutsche Gesellschaft für Dermatochirurgie (DGDC), Germany
Ege Dermatoloji Günleri, Cesme, Turkey
European Acedemy of Dermatology (EADV)
European Association of Dermato-Oncology (EADO)
European Institute of Oncology, Mailand, Italy
European School of Dermato-Oncology of the EADO
FotoFinder Academy
French Society of Dermatology, France

Galderma, France
Georgian Association of Photodermatology
and Skin Cancer, Tbilisi, Georgia
German Cancer Society, Section Dermatological Oncology
German Continuing Medical Education in Dermatology
German-Hungarian Dermatological Society
German Skin Cancer Congress
German Society of Dermatology
German Society of Dermatology - Compact
Hawaii Dermatology Seminar, USA
Hellenic Society of Dermatology, Greece
International Dermoscopy of the Swiss Society of
Dermatology and Venerology (SGDV)
International Dermoscopy Society (IDS)
International Short Course on Dermoscopy, Graz/Austria
JuDerm (Junge Dermatologen im Berufsverband der Deutschen
Dermatologen (BVDD))
Maltese Association of Dermatology and Venereology
Mediterranean Melanoma Meeting
Medizin – Ärztekongress in Stuttgart
Melanoma Conference
Memorial Sloan-Kettering Cancer Center, New York, USA
Mexican Society of Dermatology, Mexico
MoleClinic London, Great Britain
MoleMap, Auckland, New Zealand
Munich International Summer Academy of Dermatology, Germany
Primary Care Dermatology Society of Ireland
Pro Care, Auckland, New Zealand
Portuguese Society of Dermatology, Portugal
Rheinisch-Westfälische Dermatologische Gesellschaft e.V., Germany
Sanofi-Aventis, Germany
Society of German Dermatological Oncology (ADO)
South African Society of Dermatology
Suisse Society of Dermatology
Tele-Education MoleMap, Auckland, New Zealand
Tête-à-tête z dermatologica, Poland
Turkish National Congress of Dermatology (23rd), Turkey
Turkish Society of Dermatology, Turkey
University of Phnom Penh, Cambodia
Winter Academy of Dermatology, St. Moritz, Pontresina, Suisse
World Congress of Melanoma
World Congress on Cancers of the Skin
World Congress on Dermoscopy

German Academy for Dermoscopy (with Dr. Juergen Kreuzsch, Luebeck, Germany)

2009 Bad Nauheim
2010 Bochum
2011 Berlin
2012 Hamburg
2013 Stuttgart
2014 Erfurt

2015 Bad Nauheim
2016 Düsseldorf
2017 Dresden
2018 Hamburg
2019 Berlin (with Prof. Rainer Hofmann-Wellenhof, Graz/Austria)
2020 Bochum (with Prof. Wilhelm Stolz, Munich/Germany)
2021 Webinar (with Prof. Holger Hanesle, Heidelberg/Germany)

Consultant for teledermatology and teledermoscopy for Universities, companies and social projects in:

Afghanistan
Austria
Brasil
Canada
Denmark
France
Germany
Great Britain
Iceland
Ireland
Malta
New Zealand
Russia
Suisse
Sweden
Tansania
USA

edermconsult, Austria
Healthcare IT for Africa
idoc, Sweden
Klara.com
Medgate, Suisse
Médicins du Monde
MoleClinic, London, UK
onlinedoctor

Webinars:

Akademie für Dermatoskopie, Germany
Almirall, Germany
American Dermoscopy Academy, USA
Arbeitsgemeinschaft Dermatologische Onkologie (ADO), Germany
ÄrzteKongress Digital, Germany
Dermatologische Fortbildungsgesellschaft DERFO, Germany
Dermlite, USA
Department of Dermatology Greifswald, Germany
Department of Dermatology Quedlinburg, Germany
Department of Dermatology St. Gallen, Switzerland
Deutsche Dermatologische Gesellschaft – DDG-Virtuell, Germany
Deutscher Hautkrebskongress und ADO-virtuell, Germany
Fortbildungswoche (FOBI-Digital), Germany
Fotofinder Academy, Germany
Galderma, Germany
Healthcert, Singapore

Heine, Germany
Institut für hausärztliche Fortbildung (IHF), Germany
International Dermoscopy Society
Jornadas Dermatológicas de Clinica Alemana, Santiago de Chile, Chile
JuDerm des BVDD, Germany
Medgate, Suisse
Mediverbund, Germany
Molemap, New Zealand
Österreichische Gesellschaft für Dermatologie und Venerologie, Austria
PRAKTIČNA DERMOSKOPIJA, Serbia
Professor Paul Gerson UNNA Akademie, Germany
Skin Cancer Institute, Singapore and Australia
Société Française de Dermatologie (SFD), Journée Scientifique du
Groupe Imagerie Cutanée Non-Invasive (gICNI), France
University of Graz (M.Sc. DermPrevOncol), Austria
Webinar-VHS, Germany
www.dermoscopyletsdoit.org, Austria

Selection of publications in dermoscopy only

Blum A, Viehmann M, Paredes BE (2021) From dog sniffing via dermoscopy to dysplastic nevus. *Hautarzt*. 2021 Jul 21. doi: 10.1007/s00105-021-04865-7 *Hautarzt*. 2021 Jul 21. doi: 10.1007/s00105-021-04865-7

Haggenmüller S, Maron RC, Hekler A, Utikal JS, Barata C, Barnhill RL, Beltraminelli H, Berking C, Betz-Stablein B, **Blum A**, Braun SA, Carr R, Combalia M, Fernandez-Figueras MT, Ferrara G, Freitag S, French LE, Gellrich FF, Ghoreschi K, Goebeler M, Guitera P, Haenssle HA, Haferkamp S, Heinzerling L, Heppt MV, Hilke FJ, Hobelsberger S, Krahl D, Kutzner H, Lallas A, Liopyris K, Llamas-Velasco M, Malvey, Meier F, Müller CSL, Navarini AA, Navarrete-Dechent C, Perasole A, Poch G, Podlipnik S, Requena L, Rotemberg VM, Saggini A, Sangueza OP, Santonja CI, Schandendorf D, Schilling B, Schlaak M, Schlager JG, Sergon M, Sondermann W, Soyer HP, Starz H, Stolz W, Vale E, Weyers W, Zink A, Krieghoff-Henning E, Kather JN, von Kalle C, Lipka DB, Föhling S, Hauschild A, Kittler H, Brinker TJ (2021) Skin cancer classification via convolutional neural networks: systematic review of studies involving human experts. *EJC* 156 (2021) 202e216

Deinlein T, **Blum A**, Schulter G, Haenssle HA, Braun R, Giuffrida, R, Hofmann-Wellenhof R (2021) Clinical and Dermoscopic Features of Melanocytic Lesions on the Face Versus the External Ear. *Dermatol Pract Concept*. 2021; 11(4):e2021124

Winkler JK, Sies K, Fink C, Toberer F, Enk A, Abassi MS, Fuchs T, **Blum A**, Stolz W, Coras-Stepanek B, Cipic R, Guther S, Haenssle HA (2021) Collective human intelligence outperforms artificial intelligence in a skin lesion classification task. *J Dtsch Dermatol Ges*. 2021 Jun 7. doi: 10.1111/ddg.14510

Deinlein T, Hofmann-Wellenhof R, **Blum A** (2021) Flat pigmented lesions in UV-exposed skin – a diagnostic challenge. *Hautarzt* <https://doi.org/10.1007/s00105-021-04846-w>

Blum A, Bosch S (2021) Bleeding or Melanoma? *Hautarzt*. 2021 Jan 29. doi: 10.1007/s00105-021-04760-1

Blum A, Sawyers EA, Hofmann-Wellenhof R (2021) Differential diagnosis dermatofibroma. *Hautarzt* 72: 640–643

Haenssle HA, Winkler JK, Fink C, Toberer F, Enk A, Stolz W, Deinlein T, Hofmann-Wellenhof Kittler H, Tschandl P, Rosendahl C, Lallas A, **Blum A**, Abassi MS, Thomas L, Tromme I, Rosenberg A, Reader study level-I and level-II Groups Christina Alt (2021) Skin lesions of face and scalp e Classification by a market-approved convolutional neural network in comparison with 64 dermatologists. *European Journal of Cancer* 144:192-199

Blum A, Menzies M (2020) Home Dermoscopy During the COVID-19 Pandemic. *Dermatol Pract Concept* 2020;10(3):e2020091

Blum A, Bosch S, Haenssle HA, Fink C, Hofmann-Wellenhof R, Zalaudek I, Kittler H, Tschandl P (2020) Artificial intelligence and smartphone program applications (Apps). Relevance for dermatological practice. *Hautarzt* 71(9):691-698

Sies K, Winkler JK, Fink C, Bardehle F, Toberer F, Buhl T, Enk A, **Blum A**, Rosenberger A, Haenssle HA (2020) Past and present of computer-assisted dermoscopic diagnosis: performance of a conventional image analyser versus a convolutional neural network in a prospective data set of 1,981 skin lesions. *European Journal of Cancer* 135 (2020) 39e46

Blum A, Fink C, Haenssle HA, Bosch S, Kittler H, Lallas A, Zalaudek I, Errichetti E (2020) Inflammoscopy: dermoscopy for inflammatory, infiltrating and infectious dermatoses: Indication and standardization of dermoscopic terminology. *Hautarzt* 71:627-646

Sawyers EA, Wigle DT, Marghoob AA, **Blum A** (2020) Dermoscopy Training Effect on Diagnostic Accuracy of Skin Lesions in Canadian Family Medicine Physicians Using the Triage Amalgamated Dermoscopic Algorithm. *Dermatol Pract Concept* 2020;10(2):e2020035

Blum A, Haase S, Barlind S, Kopplin D, Neher S, Ott N, Ottinger M, Ridder J, Seifert-Ibach C, Witzel A, Zantl P, Eber E, Hofmann-Wellenhof R (2020) Successful regional teledermatological and teledermoscopic triage networking between general practitioners and dermatologists. *Hautarzt* 71:535-541

Deinlein T, Hofmann-Wellenhof R, Haenssle HA, **Blum A** (2020) Dermoscopy, Sequential Digital Dermoscopy, Total-Body-Photography, Artificial Intelligence – What does the future hold? *Dermatol* 46:138-142

Welzel J, Sattler E, **Blum A** (2020) Non-invasives Diagnostics – „From the New World“. *Akt Dermatol* 46:129

Winkler JK, Sies K, Fink C, Toberer F, Enk A, Deinlein T, Hofmann-Wellenhof R, Thomas L, Lallas A, **Blum A**, Stolz W, Abassi MS, Fuchs T, Rosenberger A, Haensse HA (2020) Melanoma recognition by a deep learning convolutional neural networkdPerformance in different melanoma subtypes and localisations. *European Journal of Cancer* 127:21-29

Haenssle HA, Fink C, Toberer F, Winkler J, Stolz W, Deinlein T, Hofmann-Wellenhof R, Lallas A, Emmert S, Buhl T, Zutt M, **Blum A**, Abassi MS, Thomas L, Tromme I, Tschandl P, Enk A, Rosenberger A; Reader Study Level I and Level II Groups (2020) Man against machine reloaded: performance of a market-approved convolutional neural network in classifying a broad spectrum of skin lesions in comparison with 96 dermatologists working under less artificial conditions. *Ann Oncol* 31(1):137-143

Errichetti E, Zalaudek I, Kittler H, Apalla Z, Argenziano G, Bakos R, **Blum A**, Braun R, Ioannides D, Lacarrubba F, Lazaridou E, Longo C, Micali G, Moscarella E, Paoli J, Papageorgiou C, Russo T, Scope A, Stinco G, Thomas L, Tonicic RJ, Tschandl P, Cabo H, Hallpern A, Hofmann-Wellenhof R, Malvey J, Marghoob A, Menzies S, Pellacani G, Puig S, Rabinovitz H, Rudnicka L, Vakirlis E, Soyer P, Stolz W, Tanaka M, Lallas A (2020) Standardization of dermoscopic terminology and basic dermoscopic parameters to evaluate in general dermatology (non-neoplastic dermatoses): an expert consensus on behalf of the International Dermoscopy Society. *Br J Dermatol* 182:454-467

Fink C, **Blum A**, Buhl T, Mitteldorf C, Hofmann-Wellenhof R, Deinlein T, Stolz W, Trennheuser L, Cussigh C, Deltgen D, Winkler JK, Toberer F, Enk A, Rosenberger A, Haenssle HA (2019) Diagnostic performance of a deep learning convolutional neural network in the differentiation of combined nevi and melanomas. *J Eur Acad Dermatol Venereol* doi: 10.1111/jdv.16165

Blum A, Bahmer FA, Bauer J, Braun RP, Coras-Stepanek B, Deinlein T, Eigentler T, Fink C, Garbe C, Haenssle HA, Hofmann-Wellenhof R, Kittler H, Kreuzsch J, Pehamberger H, Schulz H, Soyer HP, Stolz W, Tschandl P, Zalaudek I (2019) Dermatoscopy-30 years after the First Consensus Conference. *Hautarzt* 17:917-920

Winkler JK, Fink C, Toberer F, Enk A, Deinlein T, Hofmann-Wellenhof R, Thomas L, Lallas A, **Blum A**, Stolz W, Haenssle HA (2019) Association Between Surgical Skin Markings in Dermoscopic Images and Diagnostic Performance of a Deep Learning Convolutional Neural Network for Melanoma Recognition. *JAMA Dermatol*. doi:10.1001

Apalla Z, Errichetti E, Kyrgidis A, Stolz W, Puig S, Malvey J, Zalaudek I, Moscarella E, Longo C, **Blum A**, Lanssens S, Savoia F, Tschandl P, Kittler H, Sinz C, Stinco G, Argenziano G, Lazaridou E, Lallas A (2019) Dermoscopic features of mammary Paget's disease: a retrospective case-control study by the International Dermoscopy Society. *J Eur Acad Dermatol Venereol*. 2019 Jun 10. doi: 10.1111/jdv.15732

Blum A, Oberhoff M, Oberhoff A (2019) Discreet nail pigmentation as sign of early melanoma. *Dtsch Arztl Int* 116:335

Haenssle HA, Fink C, Stolz W, Braun RP, Hofmann-Wellenhof R, Deinlein T, Kreuzsch J, Zalaudek I, **Blum A** (2019) Dermoscopy in special locations. Nails, acral skin, face and mucosa. *CME. Hautarzt* 70:295-311

Deinlein T, Haenssle HA, Fink C, Hofmann-Wellenhof R, **Blum A** (2019) Dermoscopy of cutaneous metastases. *Hautarzt* 70:142-144

Nwko-Mohamadi M, Masenga JE, Mavura D, Jahanpour OF, Mbwilo E, **Blum A** (2019) Dermoscopic features of psoriasis, lichen planus and pityriasis rosea in patients with skin types IV and darker attending the Regional Dermatology Training Centre of Northern Tanzania. *Dermatol Pract Concept* 9(1);11:44-51

Tschandl P, Rosendahl C, Akay BN, Argenziano G, **Blum A**, Braun RP, Cabo H, Gourhant JY, Kreuzsch J, Lallas A, Lapins J, Marghoob A, Menzies S, Neuber NM, Paoli J, Rabinovitz HS, Rinner C, Scope A, Soyer HP, Sinz C, Thomas L, Zalaudek I, Kittler H (2019) Expert-Level Diagnosis of Nonpigmented Skin Cancer by Combined Convolutional Neural Networks. *JAMA Dermatol* 155(1):58-65

Lang BM, Balermipas P, Bauer A, **Blum A**, Brölsch GF, Dirschka T, Follmann M, Frank J, Frerich B, Fritz K, Hauschild A, Heindl LM, Howaldt HP, Ihrler S, Kakkassery V, Klumpp B, Krause-Bergmann A, Löser C, Meissner M, Sachse MM, Schlaak M, Schön MP, Tischendorf L, Tronnier T, Vordermark D, Welzel J, Weichenthal M, Wiegand S, Kaufmann R, Grabbe S (2019) S2k-Leitlinie Basalzellkarzinom der Haut. J Dtsch Dermatol Ges 17(1):94-104

Lang BM, Balermipas P, Bauer A, **Blum A**, Brölsch GF, Dirschka T, Follmann M, Frank J, Frerich B, Fritz K, Hauschild A, Heindl LM, Howaldt HP, Ihrler S, Kakkassery V, Klumpp B, Krause-Bergmann A, Löser C, Meissner M, Sachse MM, Schlaak M, Schön MP, Tischendorf L, Tronnier T, Vordermark D, Welzel J, Weichenthal M, Wiegand S, Kaufmann R, Grabbe S (2018) S2k-Leitlinie Basalzellkarzinom der Haut. https://www.awmf.org/uploads/tx_szleitlinien/032-021l_S2k_Basalzellkarzinom-der-Haut_2018-09_01.pdf (27. December 2018)

Koch R, Polanc A, Haumann H, Kirtschig G, Martus P, Thies C, Sundmacher L, Gaa C, Witkamp L; **TeleDerm Study Group**, Joos S. (2018) Improving cooperation between general practitioners and dermatologists via telemedicine: study protocol of the clusterrandomized controlled TeleDerm study. *Trials*. 2018 Oct 24;19(1):583. doi: 10.1186/s13063-018-2955-2

Blum A, Maltagliati-Holzner P, Deinlein T, Hofmann-Wellenhof R (2018) Kollisionstumoren der Haut – eine neue Herausforderung. *Hautarzt* 69:776-779

Blum A. Recurrent nevus and melanoma (2018) *Dermoscopedia*. https://dermoscopedia.org/Recurrent/_persistent_nevi (6. September 2018)

Blum A, Hofmann-Wellenhof R, Dimitriou F (2018) Collision lesions. *Dermoscopedia*. <https://dermoscopedia.org/Collision> (2. September 2018)

Haenssle HA, Fink C, Schneiderbauer R, Toberer F, Buhl T, **Blum A**, Kalloo A, Ben Hadj Hassen A, Thomas L, Enk A, Uhlmann L (2018) Man against machine: diagnostic performance of a deep learning convolutional neural network for dermoscopic melanoma recognition in comparison to 58 dermatologists. *Ann Oncol* 9(8):1836-1842. doi: 10.1093 – **German Skin Cancer Award 2018**

Dick V, Tschandl P, Sinz C, **Blum A**, Kittler H (2018) Image-based computer diagnosis of melanoma. *Hautarzt*. 2018 May 29. doi: 10.1007/s00105-018-4191-9

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