CURRICULUM VITAE

Sanford A. Stass, M.D.
Professor of Pathology and Medicine, University of Maryland School of Medicine
Director, Laboratories of Pathology, University of Maryland Medical Center, and
Chair, Department of Pathology, and Chair, Department of Medical and
Research Technology, University of Maryland School of Medicine

Date: July 6, 2023 Sanford Stass, M.D.

Personal Information

Business Address: Department of Pathology
University of Maryland School of Medicine
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Education

1965 B.A. University of California at Los Angeles
Los Angeles, California
1971 M.D. University of Missouri
Columbia, Missouri

Post Graduate Education

Internship
Pediatrics/Medicine

1971-72 Naval Regional Medical Center
San Diego, CA

Residency (Pathology)

1972-75 Naval Regional Medical Center
San Diego, CA

1975-76 Armed Forces Institute of Pathology
Washington, D.C. (Neuropathology, dermatopathology,
gastrointestinal pathology, hepatic pathology, soft tissue pathology)

Certification

1972 Diplomate, National Board of Medical Examiners
1977 Diplomate, American Board of Pathology,
Anatomic & Clinical
1978 Diplomate, American Board of Pathology,
Hematopathology

Medical Licensures - Active

1975 California
1979 North Carolina
1981 Tennessee
1984 Texas
1993 Maryland

Major Research Interests

A major area of my research investigation involves the molecular biology/genetic changes in cancer, hematopoietic neoplasia, and biomarkers in cancer. My basic research program has provided the basis for translational research, i.e., transfer of research into the clinic.

Keywords

Hematopathology; molecular genetics, molecular hematology; molecular diagnostics; leukemia, lymphoma; hematologic malignancies

Employment History

1976-79 Associate Pathologist for Hematology Section
Laboratory Medicine Service
National Naval Medical Center
Bethesda, Maryland

1977-79 Assistant Professor
Dept. of Pathology Uniformed Services
University of the Health Sciences

1979-81 Associate Professor
Dept. of Pathology
University of North Carolina at Chapel Hill

1981-84 Associate Professor
Department of Pathology
University of Tennessee College of Medicine

1981-84 Associate Member
Department of Pathology
St. Jude Children's Research Hospital
Memphis, TN

1984-94 Pathologist and Professor of Laboratory Medicine
Division of Laboratory Medicine (Ultrastructure Lab & Molecular Diagnostic Lab)
Professor of Pathology, Division of Pathology, The University of Texas M.D. Anderson Cancer Center, Houston, TX

1994-present Professor of Pathology and Medicine
University of Maryland, Baltimore, School of Medicine
Baltimore, MD

1997-present Clinical Professor of Pathology
Uniformed University of the Health Sciences
Bethesda, MD

Major Academic Tasks

1977-79 Co-Director and Co-Founder Hematopathology
Fellowship, National Naval Medical Center and National Cancer Institute

1979-81 Associate Director of Clinical Hematology Laboratory, Department of Hospital Laboratories, North Carolina Memorial Hospital

1979-81 Director and Founder, Hematopathology Fellowship
University of North Carolina, Chapel Hill

1980-81 Medical Director, Division of Medical Technology,
Department of Medical Allied Health Professions, School of Medicine, University of North Carolina, Chapel Hill

1981-84 Associate Member, Department of Pathology
St. Jude Children's Research Hospital, Memphis, TN

1981-84 Director, Hematology Laboratory and
Deputy Director Clinical Laboratory
St. Jude Children's Research Hospital, Memphis, TN

1981-84 Program Director and Founder
St. Jude Children's Research Hospital
Baptist Memorial Hospital Hematopathology Fellowship,
Memphis, TN

1984-94 Director and Founder, Hematopathology Program, (Bone Marrow Diagnostic Laboratory, Ultrastructure Laboratory, and Molecular Diagnostic Laboratory), Division of Laboratory Medicine, The University of Texas M.D. Anderson Cancer Center

1984-94 Director and Founder, Hematopathology Fellowship Training Program, Division of Laboratory Medicine and Pathology, The University of Texas M.D. Anderson Cancer Center

1988-94 Section Chief, Laboratory Hematology, Division of Laboratory Medicine, The University of Texas M.D. Anderson Cancer Center

1988-94 The Mattie Allen Fair Professorship in Cancer Research
University of Texas M.D. Anderson Cancer Center

1992-94 Deputy Division Head for Research, Division of Laboratory Medicine, The University of Texas M.D. Anderson Cancer Center

1992-94 Medical Director, Program in Medical Technology, The University of Texas M.D. Anderson Cancer Center

1992-94 Director and Founder, Hematology Oncology Physician-Scientist Training Program, The University of Texas M.D. Anderson Cancer Center

1994-1998 Vice Chair, Department of Pathology, University of Maryland, School of Medicine

1994-present Director, Laboratories of Pathology, University of Maryland Medical Center

1994-present Member, Program in Oncology, University of Maryland Marlene and Stewart Greenebaum Cancer Center, Baltimore, MD

1994-1998 Director and Founder, Molecular Diagnostics Laboratory,
University of Maryland School of Medicine and University of Maryland Medical Center

1994-2002 Medical Advisor, Department of Medical and Research Technology, University of Maryland School of Medicine

1995-2001 Director and Founder, Hematopathology Fellowship Program and University of Maryland School of Medicine and University of Maryland Medical Center

1995-1997 Director, Pathology Residency Program, University of Maryland School of Medicine and University of Maryland Medical Center

1997-2003 Director, Program in Oncology, University of Maryland School of Medicine and Marlene and Stewart Greenebaum Cancer Center

1998-2003 Interim Chair, Department of Pathology, University of Maryland School of Medicine

1998-present President, University of Maryland Pathology Associates, P.A., Faculty Physicians, Inc.

1998-2003 President, University of Maryland Program in Oncology Associates, Faculty Physicians, Inc.

2002-2009 Interim Chair, Department of Medical and Research Technology, University of Maryland School of Medicine

2003-present Chair, Department of Pathology, University of Maryland School of Medicine

2006-2008 Chair, Institutional Setting Sub-committee, Liaison Committee on Medical Education (LCME)

2009-present Chair, Department of Medical and Research Technology, University of Maryland School of Medicine

2014-2015 Member, Special Committee RE: Appointment of a Permanent Chair of the Department of Physical Therapy and Rehabilitation Sciences

2018 Member, Search Committee for Chair, Department of Physical Therapy and Rehabilitation Sciences

Professional Memberships

1977 American Society of Clinical Pathologists
1978 College of American Pathologists
1983 American Society of Hematology
1984 American Medical Association
1985 American Association for the Advancement of Science
1986 New York Academy of Science

Honors and Awards

1969 Mosby Book Award Outstanding Scholarship, University of Missouri, School of Medicine
1970 Merck Manual Award Outstanding Scholarship, University of Missouri, School of Medicine

Administrative Service

Institutional Service

1989-94	New Products and Standards Committee, The University of Texas M.D. Anderson Cancer Center
1989-94	Alternate – Quality of Care Committee, The University of Texas M.D. Anderson Cancer Center
1994-2008	Member, Council of Clinical Chiefs, University of Maryland Medical Center
1994-present	Member, Medical Executive Committee, University of Maryland Medical Center
1994-1997	Member, University of Maryland Cancer Center Executive Committee
1994-1997	Member, University of Maryland Greenebaum Cancer Center Executive Committee
1995-present	Member, Transfusion Practice Committee, University of Maryland Medical System
1995-1997	Member, Board of Directors, Education and Research Committee, University of Maryland School of Medicine, University of Maryland Medical Center
1995-1997	Member, University of Maryland Cancer Center Cancer Education Committee, University of Maryland School of Medicine, University of Maryland Medical Center
1995-1998	Member, Conflict of Interest Committee, University of Maryland School of Medicine and University of Maryland, Baltimore
1997-present	Member, Executive Committee, University of Maryland School of Medicine Member, School of Medicine Council, University of Maryland School of Medicine
1997-present	Member, Board of Trustees, Faculty Physicians, Inc.,
1997-present	Chair, University of Maryland Pathology Associates (UMPA) QA Committee
1998	Chair, Search Committee for Chair, Department of Pediatrics, University of Maryland School of Medicine
1999-2003	Member, Operating Council, University of Maryland of Medical Center
1999-2000	Co-Chair, Liaison Committee on Medical Education (LCME) Accreditation Resources Sub-Committee, University of Maryland School of Medicine
2000-2010	Member, General Clinical Research Center Advisory Committee (GAC), University of Maryland School of Medicine
2000-2012	Member, Research Advisory Affairs Committee (RAAC), University of Maryland School of Medicine
2003-present	Member, Laboratories of Pathology Quality Improvement Oversight Committee, University of Maryland Medical Center
2004-2021	Chair, Faculty Physicians, Inc., Compliance Committee, University of Maryland School of Medicine
2005-2008	Advisory Committee, Graduate Program in Life Sciences (GPILS), University of Maryland School of Medicine
2005-2011	Member, Executive Committee of the Program in Human Genetics and Genomics Medicine, University of Maryland School of Medicine
2006-present	Member, Fiscal Affairs Advisory Committee (FAAC)
2006-2008	Chair, Liaison Committee on Medical Education (LCME) Accreditation Resources Institutional Setting Subcommittee, University of Maryland School of Medicine
2008-2014	Chair, University of Maryland School of Medicine Ad Hoc Elections Committee
2010-2011	Member, Appointment, Promotion and Tenure Policy Review Committee
2011-2014	Member, Program in Personalized and Genomic Medicine (PPGM) Executive Advisory Committee (Joint venture between SOM and UMMS)
2012-present	HIPAA Officer, University of Maryland School of Medicine

2022-present	Vice-chair, Faculty Physicians, Inc., Compliance Committee, University of Maryland School of Medicine
2013-present	Member, FPI Finance and Audit Committee
2013-2014	Member, Genome Sciences Leadership Team

Non-Institutional Activities

1987-92	Director and Founder, Molecular Diagnostics Associates; Molecular Oncology Testing, Houston, TX (Biotech. Co.)
1989-95	Founding Member and Vice Chair, Molecular Pathology Resource Committee of College of American Pathologists
1991-94	Faculty Senate, The University of Texas M.D. Anderson Cancer Center
1995-99	Chair, Molecular Pathology Resource Committee, College of American Pathologists
1996-99	Member, Ad Hoc Committee for Stored Tissue/Genetics Privacy, College of American Pathologists
1996-99	Member, Commission on Anatomic Pathology, College of American Pathologists
1997-2003	Member, Council on Cancer Control, The State of Maryland (Governor Appointee)
1997-1999	Member, Clinical Laboratory Improvement Advisory Committee (CLIAC) Subcommittee on Genetics Testing, College of American Pathologists
1997-2005	Scientific Advisory Board, Armed Forces Institute of Pathology (AFIP) Department of Defense, Washington, D.C.
1997-2003	Member, American Association for Cancer Institutes
1998-present	Chair, Post Mortem Examiners Commission, State of Maryland
1998	Member, NIH Study Section, Biomarker Cancer Network, Bethesda, Maryland
1999	Member, NIH Study Section, Laboratory Validation of Biomarker Cancer Network, Bethesda, Maryland
2000	Member, Special Emphasis Panel “Cancer Prevention Research Small Grant Program,” NCI, Washington, D.C.
2007–2010	Chair, NIH/NCI/EDRN Collaboration and Publication Subcommittee
2007–2010	Member, NIH Early Detection Research Network Executive Committee
2010 – present	Co-Chair, NIH/NCI/EDRN Communication and Workshop Subcommittee
2018	Ex-Officio Committee Member – NIH Search Committee, Chief, Department of Laboratory Medicine, National Institutes of Health Clinical Center

Editorial Tasks

Editor

1985-2001	Founder and Editor-in-Chief HEMATOPATHOLOGY AND MOLECULAR HEMATOLOGY (formerly HEMATOLOGIC PATHOLOGY, Marcel Dekker
1987-2001	Co-Editor – Hematology Series, Marcel Dekker
1991-2000	Editorial Board – Molecular Pathology
1995-2001	Founder and Editor, Diagnostic Pathology Series, Marcel Dekker
2008 - Present	Editorial Board – Cancer Biomarkers, IOS Press

Reviewer

Blood
Archives Pathology and Laboratory Medicine

American Journal of Hematology

Teaching Responsibilities

1995-1998	Graduate Student (Ph.D.): Kim Bailey-Dell
1995-2000	Bo Fan
1996-2001	M.D., Ph.D. Student: Kristine Cole

Hematopathology Training Program:

1995-96	Edgar Alonsozana, M.D.
1996-97	Noel Libuit, M.D.
1997-98	Sing-Tsung Chen, M.D.
1995-1997	Pathology Residency Training Program

Mentoring

2007 - 2015	Pathology Mentoring Program Feng Jiang, MD, PhD Assistant Professor Department of Pathology
2009 – 2016	Ayse Leyla Mindikoglu, MD, MPH Assistant Professor of Medicine Division of Gastroenterology and Hepatology

Grant Support

Current Grant Funding

03/21/2005-08/31/2022	Principal Investigator: Sanford A. Stass, MD University of Maryland Baltimore Biomarker Reference Laboratory (UMB BRL) NIH/NCI, #5U24CA115091-15 $2,667,345
7/1/2022–6/30/2027	Principal Investigators: James Herman, MD (Contact PI) / Sanford A. Stass, MD Optimizing Ultrasensitive DNA methylation detection for lung cancer and other malignancies NIH/NCI, $930,183

Completed Grant Funding

4/1/16-3/31/2018	Co-Investigator Immunological miRNA biomarkers for diagnosis of lung cancer NIH R21, #5R21CA205746-02
7/1/10-6/30/15	Principal Investigator: Ayse Leyla Mindikoglu, MD, MPH

Mentor: Sanford A. Stass, MD
NIDDK 1K23DK089008-01
Gender Disparity in Liver Transplantation
$169,700

7/1/10 – 6/30/14 Principal Investigator: Sanford A. Stass, MD
University of Texas, MD Anderson Cancer Center
Aurora Kinease A as a Biomarker for the Detection of Bladder Cancer
NCI, 1R01CA151489-01
$40,000

3/1/13-8/31/13 Principal Investigator: Richard Y. Zhao, PhD
Role: Multi-PI
Insight Genetics-Companion for ALK Mutations
SAIC-Frederick
$141,848

6/1/09-5/31/11 Principal Investigator: Feng Jiang, PhD
Co-Investigator: Sanford A. Stass, MD
Maryland Stem Cell Research Fund (TEDCO)
A MicroRNA Signature of Cancer Stem Cell as Prognostic Biomarker for Lung Cancer
$100,000

1/08-6/30/11 Principal Investigator: Feng Jiang, PhD
Co-Investigator: Sanford A. Stass, MD
Flight Attendant Medical Research Institute
Early Detection of Lung Cancer in African Americans Exposed to Second Hand Smoke
$100,000

3/1/10 – 2/28/11 Principal Investigator: Sanford A. Stass, MD
NCI/NIH (Interim Funding Supplement)
University of Maryland Biomarker Reference Laboratory (UMB BRL)
$91,333

3/1/09-3/28/11 Principal Investigator: Feng Jiang, PhD
Mentor: Sanford A. Stass, MD
Multidisciplinary Clinical Res. Career Dev. Prog.
Monitoring of Lung Cancer Recurrence in Sputum by Genetic Signatures
$25,000

3/21/05-2/28/10 Principal Investigator: Sanford A. Stass, MD
NIH/NCI (NCE through 2/28/11)
University of Maryland Baltimore Biomarker Reference Laboratory
$237,153

9/25/08-2/28/10	Principal Investigator: Sanford A. Stass, MD NIH/NCI Admin. Supplement (NCE through 2/28/11) University of Maryland Baltimore Biomarker Reference Laboratory $50,000
8/85-7/92	National Cancer Institute Substitute Principal Investigator: Sanford A. Stass, MD (1990-91) Principal Investigator: Emil J. Freirich, MD "Therapy and the biology of human leukemia" Amount: $1,693,912
4/89-3/94	National Institutes of Health – RO1 Co-Principal Investigator: Sanford A. Stass, MD Principal Investigator: Ming Lee, MD "Minimal Residual Disease in t(14;18) Carrying Lymphomas" Amount: $450,000
12/89-12/93	National Institutes of Health Grant Number: CA49369 Co-Principal Investigator: Sanford A. Stass, MD Principal Investigator: Ming Lee, MD "Detection of bcr-abl gene products in human leukemia" Amount: $278,873
12/1/88-3/1/94	Mattie Allen Fair Professorship in Cancer Research University of Texas M.D. Anderson Cancer Center Amount: Established Annually (@$12,000)
2/92-12/93	University Cancer Foundation University of Texas M.D. Anderson Cancer Center Principal Investigator: Sanford A. Stass, MD "Adoptive immunotherapy of patients with leukemia IL-2 expanded autologous leukemia-specific T lymphocytes" Amount: $85,500
1991-94	Penzoil Foundation Principal Investigator: Sanford A. Stass, MD "Molecular approaches to cancer prevention and detection" Amount: $50,000/yr
1994-98	Amount: $35,000/yr (renewed due to relocation PI reassigned)
7/1/97-6/30/03	State of Maryland Principal Investigator: Sanford A. Stass, MD "Technical and Administrative Support for Maryland Early Detection & Control of Breast and Cervical Cancer Program" Amount: $145,771/yr
7/1/97-6/30/03	State of Maryland Department of Health/Mental Hygiene Principal Investigator: Sanford A. Stass, MD

Data-Based Intervention in Cancer Control
Amount: $95,438/yr

9/30/99-9/29/02 National Cancer Institute
Principal Investigator: Sanford A. Stass, MD
"Greenebaum Cancer Center Planning Grant (P20)"
Grant#: 5P20CA083496-02
Amount: $789,218/3 year total
This grant provided support to advance programmatic activities and enhanced translational research.

7/1/00-6/30/02 State of Maryland, Department of Health and Mental Hygiene through University of Maryland Medical Group
Statewide Academic Health Center Cancer Research Grant
Director, Program in Oncology: Sanford A. Stass, MD
Amount: $7,125,000/year 1 (2000-2001)
Amount: $9,530,000/year 2 (2001-2002)

4/4/00-3/31/05 5U01CA86249 (Principal Investigator: Baquet)
(Sanford A. Stass, MD: Consultant)
NCI
Maryland Special Populations Cancer Network
Special populations networks for cancer awareness research and training
Annual Directs: $465,300

2004-2009 Principal Investigator: Sanford A. Stass, MD
Quality Control/Quality Assurance Laboratory for the Early Detection Research Network's (EDRN): Validation Study of Microsatellite Instability in DNA as a Marker for Recurrence of Bladder Cancer (MSA Validation Study)
NCI, NIH
$73,080/3 yr total

2/12/08-3/31/09 Principal Investigator: Sanford A. Stass, MD
Analytical Validation Studies for the MSA Assay for Detection of Bladder Cancer
Cangen Biotechnologies
Total Direct Costs: $125,048
Total Indirect Costs: $32,512

8/1/08-6/30/10 Principal Investigator: Sanford A. Stass, MD
LiCor Gp73 and Kininogen Assays – EDRN/PRIDE
Drexel Inst. For Biotechnology and Virology Research
$101,618

Publications

BOOKS/CHAPTERS

1. Associate Editor and Hematology Editor, Yearbook of Pathology, 1981.
2. Associate Editor and Hematology Editor, Yearbook of Pathology, 1982.

3. Editor, The Acute Leukemias. Biologic, Diagnostic, and Therapeutic Determinants, Marcel Dekker, New York, 1987.
4. Mirro, J., Zipf, T.F., Pui C.H., Kitchingman, G., Williams, D., Melvin, S., Murphy S.B., & Stass, S.A. Acute mixed lineage leukemia: Clinicopathologic correlations and prognostic significance. In: 1987 Yearbook of Cancer Yearbook Medical Publishers, Inc. Chicago pp. 219-222, 1987.
5. Dalton, W. & Stass, S.A. A morphological and cytochemical approach to the diagnosis of acute leukemia. In Stass, S.A. (Ed.), The Acute Leukemias: Biologic, Diagnostic, and Therapeutic Determinants. Marcel Dekker pg. 27, 1987.
6. Mirro, J., Kitchingman, G., & Stass, S.A. Lineage heterogeneity in acute leukemia: Acute mixed lineage leukemia and lineage switch. In Stass, S.A. (Ed.), The Acute Leukemias: Biologic, Diagnostic, and Therapeutic Determinants. Marcel Dekker pg. 383, 1987.
7. Childs, C. & Stass, S.A. Practical application of laboratory studies to differential diagnosis in adult acute leukemia. In Stass, S.A. (Ed.), The Acute Leukemias: Biologic, Diagnostic, and Therapeutic Determinants, Marcel Dekker pg. 1, 1987.
8. Walters, R., Johnston, D.A., Dixon, D., Stass, S.A., Keating, M.J., Trujillo, J.M., McCredie, K.B., & Barlogie, B. Nucleic acid flow cytometry -- An aid to diagnosis and prognosis of acute leukemia in adults. In Stass, S.A. (Ed.), The Acute Leukemias: Biologic, Diagnostic, and Therapeutic Determinants, Marcel Dekker pg. 203, 1987.
9. Lee, M-S, Chang, K-S, Cabanillas, F., Freireich, E.J., Trujillo, J.M., & Stass, S.A. Detection of chromosomal translocations and minimal residual disease by polymerase chain reaction. Current Communications in Molecular Biology. Polymerase Chain Reaction. Cold Spring Harbor Laboratory, pp. 31-35, 1989.
10. Kitchingman, G.R., Mirro, J., & Stass, S.A. The molecular biology of mixed lineage leukemia. In: Cossman, J. (Ed.). Molecular Genetics and the Diagnosis of Cancer, New York: Elsezier Publishing Company, 1989.

11. Lee, M-S & Stass, S.A. Detection of chimeric bcr/abl mRNA and minimal residual disease by polymerase chain reaction. In: Deisseroth A. and Arlinghaus R. (Eds.), Chronic Myelogenous Leukemia: Molecular Approaches to Research and Therapy. New York: Marcel Dekker, Inc., pp. 241-251, 1991.
12. Hirsch-Ginsberg, C., Stass, S., & Freireich, E.J. Chronic granulocytic leukemia. In: Conn, R., (Ed.), Current Diagnosis. Philadelphia, PA: W. B. Saunders Co., pp. 584-587, 1991.
13. Goasguen, J.E., Kitchingman, G.R., Mirro, Jr. J., & Stass, S.A. Lineage heterogeneity in acute leukemia. In: Knowles, D.M., (Ed.), Neoplastic Hematopathology. Baltimore, MD: Williams & Wilkins, pp. 1351-1365, 1992.
14. Lee, M-S & Stass, S.A. Uses of polymerase chain reaction in leukemias: Detection of minimal residual disease and identification of novel genetic mutation. In: Freireich, E.J. & Kantarjian, H.M., (Eds), Leukemia: Advances in Research and Treatment. Boston: Kluwer Academic Press, pp. 35-44, 1993.
15. Hirsch-Ginsberg, C., Huh, Y.O., Kagan, J., Liang, J.C., & Stass, S.A. Advances in diagnosis of acute leukemia. In: Bloomfield, C.D. & Herzig, G. (Eds.), Hematology/Oncology Clinics of North America. Philadelphia, Pennsylvania; W.B. Saunders Company, Harcourt Brace Jovanovich, Inc., (7)1, pp 1-46, 1993.
16. Freireich, E.J. & Stass, S.A. (Eds). Molecular Oncology, Blackman, 1995.
17. Hirsch-Ginsberg, C., Stass, S.A., & Freireich, E.J. Principles of Molecular Oncology. In: Freireich, E.J. & Stass, S.A. (Eds.), Molecular Oncology, Blackman, 1995.
18. Stass, S.A. (Ed.) Diagnostic Pathology Series, Marcel Dekker, 1996.
19. Nakamura, R. & Stass, S.A. Molecular oncology. In: Henry, J.B. (Ed.), Todd-Sanford-Davidsohn Clinical Diagnosis and Management by Laboratory Methods, 19th Edition, Place: WB Saunders, pp. 1335-1337, 1996.
20. Abruzzo, L. & Stass, S.A. Molecular genetics of hematopoietic neoplasms. Henry, J.B., (Ed.), Todd-Sanford-Davidsohn Clinical Diagnosis and Management by Laboratory Methods, 19th Edition, WB

Saunders, pp. 1362-1373, 1996.

21. Schumacher, H.R., Rock, W.A., & Stass, S.A. Handbook of Hematologic Pathology. Marcel Dekker, Inc., 2000
22. Zhao, X.F., Reitz, M., Chen, Q.C., Stass, S.A. Pathogenesis of Early Leukemia and Lymphoma. In: Translational Pathology of Early Cancer, IOS Press, pp. 341-374, 2012.
23. Zhao, X.F., Stass, S.A. Primary Gastric Lymphoma. Advances in Surgical Pathology, Gastric Cancer. Dongfeng Tan and Gregory Y. Lauwers, 2010, pp. 140-154, Wolters Kluwer/Lippincott Williams & Wilkins.

JOURNAL ARTICLES (Refereed)

1. Schumacher, H.R., Perlin, E., Klos, J.R., Holloway, M.L., Miller, W.M., & Stass, S.A. Hand-mirror cell leukemia, a new clinical and morphological variant. Am. J. Clin. Pathol. 68:531-4, 1977.
2. Schumacher, H.R., Robinson, J.J., Creegan, W.J., Pitts, L.L., & Stass, S.A. Electron microscopy hand-mirror-cell leukaemia. Lancet 1:1214-1215, 1977. (Letter)
3. Schumacher, H.R., Perlin, E., Miller, W.M., & Stass, S.A. Hand-mirror- cell leukaemia. Lancet 1:655-6, 1977.
4. Stass, S.A., Holloway, M.L., Slease, R.B., & Schumacher, H.R. Spurious platelet counts in hairy cell leukemia. Am. J. Clin. Pathol. 68:530-1, 1977. (Letter)
5. Stass, S.A, Perlin, E., Jaffe, E.S., Simon, D.R., Creegan, W.J., Robinson, J.J., Holloway, M.L., & Schumacher, H.R. Acute lymphoblastic leukemia - hand mirror cell variant:: A detailed cytological and ultrastructural study with an analysis of the immunologic surface markers. Am. J. Hematol. 4:67-77, 1978.
6. Schumacher, H.R., Rainey, T., Davidson, L., Simon. D., Strong, M., Creegan, W.J., Holloway, M.L., & Stass, S.A. American Burkitt's lymphoma–hand-mirror variant. A detailed investigation of cytologic, ultrastructural, and immunologic features. Am. J. Clin. Pathol. 70:937-944, 1978.
7. Schumacher, H.R. & Stass, S.A. Commentary: Significance of hand mirror cells. J. Pediatr. 93:335-6, l978.
8. Stass, S.A., Veach, S., Pasquale, S.M., Schumacher, H.R., Keneklis, T.P., & Bollum, F.J. Terminal-deoxynucleotidyl-transferase positive acute lymphoblastic leukaemia with Auer rods. Lancet 1:1042-3. 1978.
9. Schumacher, H.R., Stass, S.A., Pasquale, S.M., Keneklis, T.P., & Bollum, F.J. Hand mirror cells -- benign or malignant? Lancet 1:1092-3, 1978.
10. Stass, S.A., Schumacher, H.R., Keneklis, T.P., & Bollum, F.J. Auer rods. Another sacred cow? Lancet 2:323-4, 1978.
11. Hand-mirror cells in leukaemia (ed). Lancet 2:195, 1978.
12. Puligandla, B., Stass, S.A., Schumacher, H.R., Keneklis, T.P., & Bollum, F.J. Terminal deoxynucleotidyl transferase in Fanconi's anaemia. Lancet 2:1263, 1978.
13. Rao, K.A., Stass, S.A., Smith, M.L., Uddin, D.E., & Schumacher, H.R. Modification of erythrocyte abnormalities in Hodgkin's disease after chemotherapy. Lancet 1:563, 1978
14. Uddin, D., Paligandla, S., Stass, S.A., & Schumacher, H.R. Elevated hematocrits super cell? N. Engl. J. Med. 299.1192. 1978.
15. Schumacher, H.R. & Stass, S.A. Histiocytic medullary reticulosis. Lancet 1:158-9, 1978.
16. Schumacher, H.R., Champion, J.E., Thomas, W.J., Pitts, L.L., & Stass, S.A. Acute lymphoblastic leukemia, hand mirror variant. An analysis of a large group of patients. Am. J. Hematol. 7:11-17, 1979.
17. Sharp, J.W., Stass, S.A., Creegan, W.J., Pitts, L.L., & Schumacher, H.R. Acute lymphoblastic leukemia -- hand mirror variant. A detailed ultrastructural study. Am. J. Clin. Pathol. 72:551-8, 1979.
18. Schumacher, H.R, Stass, S.A., Creegan, W.J., & Weislow, O.S. Uropod-bearing lymphocytes (hand mirror cells) in a virus-induced murine lymphoma. J. Natl. Cancer Inst. 63:1051-5, 1979.
19. Stass, S.A., Schumacher, H.R., Keneklis, T.P., & Bollum, F.J. Terminal deoxynucleotidyl transferase immunofluorescence of bone marrow smears: experience in 156 cases. Am. J. Clin. Pathol. 72:898-903,

1979.

20. Schumacher, H.R. & Stass, S.A. Acute lymphoblastic hand mirror cells in reply. J. Pediatr. 94:343, 1979.
21. Stass, S.A., Holloway, M.L., Peterson, V., Creegan, W.L., Gallivan, M., & Schumacher, H.R. Cytoplasmic fragments causing spurious platelet counts in the leukemic phase of poorly differentiated lymphocytic lymphoma. Am. J. Clin. Pathol. 71:128-8, 1979.
22. Sharp, J.W., Holloway, M.L., Schumacher, H.R., & Stass, S.A. Positive tartrate-resistant acid phosphatase staining in morphologically normal peripheral-blood lymphocytes. Am. J. Clin. Pathol. 71:133-4, 1979. (Letter)
23. Miller, W.M., Stass, S.A., & Schumacher, H.R. Lymph node biopsy in thrombotic thrombocytopenic purpura. Ann. Intern. Med. 90:278-9, 1979. (Letter)
24. James, L.P., Stass, S.A., Peterson, V., & Schumacher, H.R. Abnormalities of bone marrow simulating histiocytic medullary reticulosis in a patient with gastric carcinoma. Am. J. Clin. Pathol. 71:600-2, 1979.
25. Woodruff, C.M., Schumacher, H.R., Bilak, M.C., & Stass, S.A. Tartrate-resistant acid phosphatase-positive Gaucher cells. Am. J. Clin. Pathol. 71:361-2, 1979. (Letter)
26. Schumacher, H.R., Austin, R.M., & Stass, S.A. Adenovirus infection and heterophile antibody production. Lancet 1:1247, 1979.
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