

Scientist profile

Name	Dr Avninder Singh
Designation	Scientist 'E'
Date of Birth	16 th April, 1968
Date of joining ICMR	16 th August, 2002
Date of joining present post	1 st September, 2015
Discipline	Pathology
Address	Room 610, 6 th floor National Institute of Pathology (ICMR) Safdarjung Hospital Campus New Delhi 110029

E-mail: avninders@hotmail.com

Educational Qualifications **MBBS, MD (Path)**

Degree	Institution	Year
Fellowship	Indo-US Research fellowship TARP-ATC, NIH, USA	2008
Fellowship	UICC ICRET fellowship in tissue microarray, NCI/NIH, USA	2007
Fellowship	Short-term Neuropathology fellowship, AIIMS, Delhi.	2003
MD (Path)	Gandhi Medical College, Hyderabad, AP Univ. Health Sciences	2000
MBBS	Gandhi Medical College, Hyderabad, AP Univ. Health Sciences	1994

Details of Employment

Post	Duration	Institution
Scientist-E	1 st September 2011 -till date	NIP-ICMR
Scientist-D	1 st September 2011 -31 ST Aug 2015	NIP-ICMR
Scientist-C	16 th Aug 2007 -15 th Aug 2011	Institute of Pathology-ICMR
Scientist -B	16 th Aug 2002- 15 th August 07	Institute of Pathology-ICMR
Staff Pathologist	8 th June 2001-15 th Aug 2002	Kailash Hospital, NOIDA
Senior Resident	8 th June 2000-7 th June 2001	Nizams Institute Med Sci, Hyd.

Awards

1. Endowment award for *best outgoing postgraduate in Pathology*. University of health sciences, AP for the year 2000.
2. *Dr Bishnupriya Devi award* for the year 2015 presented by Indian association of dermatology ,venereology & leprology

Area of research

I have been involved with diagnostic neuropathology for almost 15 years and this diagnostic material which includes infections and tumors serves as important repertoire of our neuropathology research material. I have been doing tissue microarray based studies for identifying diagnostic and prognostic biomarkers in esophageal cancers and brain tumors. Also my major focus is in diagnostic dermatopathology and again this valuable skin tissue serves as rich source of research material especially cutaneous tuberculosis, leprosy, post kala-azar dermal leishmaniasis along with various inflammatory dermatoses.

CHAPTER IN BOOK

Singh A, Weng X, Nath I. Skin biopsy in leprosy. In: *SKIN BIOPSY PERSPECTIVES*, In-Tech Publishers, Croatia, 2011; 5: pp 73-86

PUBLICATIONS

92. Sharma I, Siraj F, Sharma KC, **Singh A**. Immunohistochemical expression of chemokine receptor CXCR3 and its ligand CXCL10 in low-grade astrocytomas and glioblastoma multiforme: A tissue microarray-based comparison. *J Cancer Res Ther* **2016**; 12:793-97.

91. Jain S, Ramesh V, **Singh A**, Yadav A, Ramam M, Khandpur S. Clinical and histopathological features of paucibacillary leprosy before and after multidrug therapy: a prospective study. *Trans R Soc Trop Med Hyg.* **2016**;110:350-58
90. Dalal V, Kaur M, Sharma KC, **Singh A**. Dysembryoplastic neuroepithelial tumor: a report of two cases. *Astrocyte* **2016**; 3:58-60
89. Verma P, Kaur M, Narula V, Ramesh V, **Singh A**, Saxena AK. Verrucous eccrine angiomatous hamartoma. *Indian J Dermatol, Venereol Leprol* **2016**
88. Bhushan P, Thatte SS, **Singh A**, Jayant S. Porokeratotic eccrine ostial and dermal duct nevus: A report of three cases. *Indian J Dermatol Venereol Leprol.* **2016**;82:553-55
87. Kaur M, Dalal V, Sharma KC, **Singh A**. Lymphoplasmacyte rich meningioma-a rare morphological variant of meningioma. *British J Med Pract* **2016**:3
86. Bhushan P, Thatte SS, **Singh A**. Key messages from a rare case of annular sarcoidosis of scalp. *Indian Dermatol Online J.* **2016**;7:192-94
85. Bhushan P, Thatte SS, **Singh A**. Nevus Lipomatosus Cutaneous Superficialis: A Report of Two Cases. *Indian J Dermatol.* **2016**; 61:123-4
84. Kaur M, **Singh A**, Ramesh V. Granuloma faciale. *Indian Dermatol Online J* **2016**;7:130-132
83. Kaur M, Dalal V, Ramesh V, **Singh A**. Multinucleated giant cells in angiolymphoid hyperplasia with eosinophilia. *Indian J Dermatol Venereol Leprol.* **2016**;82:567-69

82. Bhushan P, Thatte SS, **Singh A**. Angioma serpiginosum: A case series of 4 patients. *Indian J Dermatol Venereol Leprol.* **2016**;82:588-89
81. Malik R, Capoor MR, Vanidassane I, Gogna A, **Singh A**, Sen B, et al. Disseminated *Emmonsia pasteuriana* infection in India: a case report and a review. *Mycoses.* **2016**; 59:127-32
80. Sharma I, **Singh A**, Mishra AK, Singh LC, Ramesh V, Saxena S. Is CXCL10/CXCR3 axis a better indicator of leprosy type 1 reaction than inducible nitric oxide synthase? *Indian J Med Res.* **2015**; **142:681-9**
79. Sharma I, Kaur M, Mishra AK, Sood N, Ramesh V, Kubba A, **Singh A**. Histopathological diagnosis of leprosy type 1 reaction with emphasis on interobserver variation. *Indian J Leprosy* **2015**;87:101-07
78. Siraj F, Ansari M, Sharma KC, **Singh A**. Chordoid meningioma: a diagnostic dilemma. *J Cance Res Therap* **2015**;11:663-665
77. Dalal V, Kaur M, Siraj F, **Singh A**, Bansal A. Primary testicular lymphoma with solitary cutaneous nodule as the initial presentation. *Can Urol Assoc J* **2015**; 9:e744-48
76. Malik R, Capoor MR, Vanidassane I, Gogna A, Singh A, Sen B, et al. Disseminated *Emmonsia pasteuriana* infection in India: a case report and a review. *Mycoses* **2016**; **59:127-32**
75. Mallya V, Siraj F, Sharma KC, **Singh A**. Giant cell glioblastoma with calcification and long-term survival. *Indian J Cancer* **2016**;52:704-705

74. Singh V, Singh LC, **Singh A**, et al Status of epigenetic chromatin modification enzymes and esophageal squamous cell carcinoma risk in northeast Indian population. **Am J Cancer Res 2015**; 5:979-999
73. Jha A, Taneja J, Ramesh V, **Singh A**. Annular epidermolytic ichthyosis: a rare phenotypic variant of congenital ichthyosiform erythroderma. **Indian J Dermatol Venereol Leprol 2015**;81:194-97
72. Jha A, Ramesh V, **Singh A**. Disseminated cutaneous glomovenous malformation. . **Indian J Dermatol Venereol Leprol 2014**;80:556-58
71. **Singh A**, Ramesh V, Ramam V. Histopathological characteristics in post kala-azar dermal leishmaniasis : a series of 88 cases. **Indian J Dermatol Venereol Leprol 2015**;81:29-34
70. Saxena AK, Jain S, Ramesh V, **Singh A**, Capoor MR. Chromoblastomycosis: demonstration of abundant microorganisms on microscopy of a scaly crust following intralesional steroids. **J Eur Acad Dermatol Venereol 2015**; **29**:189-90
69. **Singh A**, Ramesh V, Exogenous ochronosis. **Indian J Med Res 2014**; **139**:327
68. Gopal D, Puri P, **Singh A**, Ramesh V. Asymptomatic solitary cutaneous mastocytoma: a rare presentation. **Indian J Dermatol 2014**; **59**:634
67. Bhushan P, **Singh A**. Facial variant of eruptive vellus hair cyst. **Indian J Dermatol Venereol Leprol 2014**; 80:96-97
66. Kandhari R, Sharma V, Ramesh V, **Singh A**. Familial reactive perforating collagenosis in three siblings. **Indian J Dermatol Venereol Leprol 2014**;80:86-87

65. Sipayya V, **Singh A**, Ramesh V. Myxoinflammatory fibroblastic sarcoma presenting as popliteal fossa nodules. **Indian J Dermatol** 2014;59:297-98

63. Majumdar K, Saran RK, Tyagi I, Jain AK, Jagetia A, Sinha S, **Singh A**. Cytodiagnosis of alveolar soft part sarcoma: Report of two cases with special emphasis on the first orbital lesion diagnosed by aspiration cytology

62. Kandhari R, Ramesh V, **Singh A**. A generalized non-pruritic variant of lichen amyloidosis: a case report and brief literature review. **Indian J Dermatol** 2013; 58:328

61. Chugh S, Sarkar R, Garg VK, **Singh A**, Keisham C. Multifocal fixed drug eruption with Cox-2 inhibitor-Celecoxib. **Indian J Dermatol** 2013; 58:142-44

60. Gupta J, Kandhari R, Ramesh V, **Singh A**. Glomeruloid hemangioma in normal individuals. **Indian J Dermatol** 2013; 58:160-62

59. Kandhari R, Ramesh V, **Singh A**. Asymptomatic conchal papules. **Indian J Dermatol Venereol Leprol** 2013; 79: 445-47

58. **Singh A**, Ramesh V. Histopathological features in leprosy, Post kala azar dermal leishmaniasis and cutaneous leishmaniasis. **Indian J Dermatol Venereol Leprol** 2013; 79:360-66

57. Kathuria S, Capoor MR, Yadav S, **Singh A**, Ramesh V. Disseminated histoplasmosis in an apparently immunocompetent individual from North India: a case report and review. **Med Mycol** 2013; 51(7):774-78

56. Mallya V, **Singh A**, Pahwa M. Lethal midline granuloma. **Indian Dermatology Online J** 2013; 4(1) 37-39

55. Sipayya V, Sharma I, Sharma KC, **Singh A**. Immunohistochemical expression of IDH1 in gliomas: a tissue microarray based approach. **J Cancer Ther** 2012; 8:71-74
54. Sharma DK, Manral A, Saini V, **Singh A**, Srinivasan BP, Tiwari M. Novel diallyldisulfide analogs ameliorate cardiovascular remodeling in rats with L-NAME-induced hypertension. **Eur J Pharmacol** 2012;691:198-208
53. Kandhari R, Khunger N, **Singh A**. Flagellate pigmentation and exacerbation of melasma following Chikungunya fever: a less frequently reported finding. **Indian J Dermatol Venereol Leprol** 2012;78:774-75
52. Bihagi SW, **Singh AP**, Tiwari M. Supplementation of *convolvulus pluricaulis* attenuates scopolamine-induced increase in tau and amyloid precursor protein (A β PP) expression in rat brain. **Ind J Pharmacol** 2012;44(5): 593-98
51. Katara GK, Ansari NA, **Singh A**, Ramesh V, Salotra P. Evidence for involvement of Th 17 type responses in post kala azar dermal leishmaniasis. **PLoS Negl Trop Dis** 2012; 6(6):e1703
50. Puri P, RameshV, **Singh A**, Muralidhar S, Capoor MR. Facial eruption in a human immunodeficiency virus (HIV) seropositive patient: *Penicillium marneiffi* as a manifestation of immune restoration disease. **Int J Dermatol** 2012;51:777-779
49. **Singh A**, Mishra AK, Ylaya K, Hewitt SM, Sharma KC, Saxena S. Wilms tumor-1, Claudin-1 and Ezrin are useful immunohistochemical markers that help to distinguish schwannoma from fibroblastic meningioma. **Pathol Oncol Research** 2012;18:383-389
48. Bihagi SW, **Singh AP**, Tiwari M. *In-vivo* investigation of the neuroprotective property of *Convolvulus pluraicaulis* in scopolamine-induced cognitive impairments in Wistar rats. **Indian J Pharmacol** 2011; 43:520-25

47. Ramesh V, **Singh A**, Pahwa M, Capoor M. A recalcitrant facial plaque: fixed cutaneous sporotrichosis. **Int J Dermatol 2011; 50: 367-68**
46. Capoor MR, Ramesh V, Khanna G, **Singh A**, Aggarwal P. Sporotrichosis in Delhi among migrant population from Uttarakhand, India. **Trop Doct 2011; 41: 46-48**
45. Malhotra P, Arora D, **Singh A**. Squamous cell carcinoma, syringocystedema papilliferum and apocrine adenoma arising in a nevus sebaceous of Jadassohn. **Indian J Pathol Microbiol 2011; 54:225-26**
44. Jairajpuri Z, Jain I, **Singh A**. Papillary meningioma: a rare malignant variant. **Indian J Pathol Microbiol 2011; 54: 410-11**
43. Puri P, **Singh A**, Ramesh V. Facial nodule in a 34-year-old man. **Indian J Dermatol 2011; 56:230-31**
42. Malhotra A, **Singh A**, Ramesh V. Basal cell carcinoma in the North Indian population: Clinicopathologic review and immunohistochemical analysis. **Indian J Dermatol Venereol Leprol 2011; 77(3): 328-30**
41. Malhotra P, Walia H, **Singh A**, Ramesh V. Leiomyoma cutis: a clinicopathological series of 37 cases. **Indian J Dermatol 2010; 54(4): 337-341**
40. Sarkar R, Puri P, Jain RK, **Singh A**, Desai A. Melasma in men: a clinical, aetiological and histological study. **J Eur Acad Dermatol Venereol 2010; 24(7): 768-772**
39. Chattopadhyay I, **Singh A**, Phukan R, Katakai A, Mahanta J, Saxena S, Kapur S. Genome wide analysis of chromosomal alterations in patients with esophageal squamous cell carcinoma exposed to tobacco and betel quid from high-risk area in India. **Mutation Research 2010; 696(2): 130-138**

38. **Singh A**, Malhotra P, Chand K. Massive cerebral blastomycoma from a non-endemic region diagnosed on squash smear cytology. **Acta Cytol 2010**; 54(3): 364-366
37. **Singh A**, Ramesh V. Primary cutaneous adenoid cystic carcinoma with distant metastasis: a case report and review of literature. **Ind J Dermatol Venereol Leprol 2010**;76(2): 176-79
36. Bihagi SW, Sharma M, **Singh AP**, Tiwari M. Neuroprotective role of *Convolvulus pluricaulis* on aluminium induced neurotoxicity in rat brain. **J Ethnopharmacol 2009**; 124(3): 409-15
35. **Singh A**, Vermani S, Shruti S. Choroid plexus carcinoma: report of two cases. **Ind J Pathol Microbiol 2009**; 52(3): 405-407
34. SarvjotV, Sharma S, Mishra S, **Singh A**. Melasma: a clinicopathological study of 43 cases. **Ind J Pathol Microbiol 2009**;52(3):357-59
33. **Singh A**, Kapur S, Chattopadhyay I, Purkayastha J, Sharma J, Mishra A, et al. Cytokeratin immunoexpression in esophageal squamous cell carcinoma oh High-risk population in Northeast India. **Appl Immunohistochem Mol Morphol 2009**;17(5):419-27
32. Chattopadhyay I, Phukan R, **Singh A**, Vasudevan M, Purkayastha J, Sharma J et al. Molecular profiling to identify molecular mechanism in esophageal cancer with familial clustering. **Oncol Reports 2009**; 21: 1135-1146
31. Malhotra P, **Singh A**, Ramesh V. Syringocystadenoma papilliferum in the thigh. **Ind J Dermatol Venereol Leprol 2009**;75(2):170-172
30. **Singh A**, Ylaya K, Hewitt SM. Tissue microarray: a simple technology that has revolutionized research in pathology. **J Postgrad Med 2008**; 54(2) 158-162

29. Pahwa M, Kar R, **Singh A**, Goel A, Ramesh V, Jain R. Chanarin-Dorfman syndrome with eccrine gland vacuolation: a case report. **Int J Dermatol** **2008**; 47(12): 1257-59
28. **Singh A**, Jairajpuri Z, Gupta V, Sharma S, Sharma KC. Atypical teratoid/rhabdoid tumor of the central nervous system associated with congenital cataract. **Indian J Pathol Microbiol** **2008**; 51(3): 389-91
27. Ramesh V, **Singh A**. Endogenous ochronosis with a predominant acrokeratoelastoidosis-like presentation. **Int J Dermatol** **2008**; 47(8); 873-875
26. **Singh A**, Gupta V, Sharma KC. Lymphoplasmacyte-rich meningioma at the foramen magnum. **Brit J Neurosurg** **2008**; 22(5): 702-704
25. **Singh A**, Gupta V, Chand K. Malignant transformation in neurocutaneous melanosis masquerading as intracerebral hematoma. **Int J Ped Neonatol** **2008**; 8:2
24. **Singh A**, Kumar J, Kapur S, Ramesh V. Subcutaneous panniculitis-like T-cell cutaneous lymphoma. **Indian J Dermatol Venereol Leprol.** **2008** Mar-Apr;74(2):151-3.
23. Sharma KC, Gupta V, Singh H, Mishra V, Mittal MK, Muraka M, **Singh A**, Jha D. Giant Cervical Lipoma with Cervicomedullary Epidural Extension. **Pediatr Neurosurg.** **2008** Mar 27;44:258-260
22. Kumar R, Ansari NA, **Singh A**, Ramesh V, Salotra P. Cutaneous leishmaniasis in Nepal: Leishmania major as a cause. **Trans R Soc Trop Med Hyg.** **2008** Feb; 102: 202-3
21. **Singh A**, Sharma S, Vermani S, Khunger N. Subcutaneous fat necrosis of the newborn. **Indian J Pathol Microbiol.** **2007** Oct; 50(4): 849-50.
20. **Singh A**, Sharma S, Vermani S. Hypophyseal tuberculoma masquerading as pituitary adenoma. **Indian J Pathol Microbiol.** **2007** Oct; 50(4): 847-8.

19. **Singh A**, Sharma S, Sarvjot V. Inoculation leprosy developing after tattooing. **Indian J Pathol Microbiol.** 2007 Oct; 50(4): 841-2.
18. Ramesh V, Jain RK, **Singh A**. Great auricular nerve involvement in leprosy: Scope for misdiagnosis. **J Postgrad Med.** 2007 Oct-Dec; 53(4): 253-4.
17. **Singh A**, Ramesh V, Vermani S. Benign nerve sheath myxoma (myxoid neurothekeoma) in the leg. **Dermatol Online J.** 2007 May 1;13(2):14.
16. **Singh A**, Ramesh V. A solitary red nodule on the chest of an 81-year-old man. **Clin Exp Dermatol.** 2008 Jan; 33(1): 77-8.
15. **Singh A**, Chand K, Singh H, Sarkar C, Sharma MC. Atypical Neurocytoma of the Spinal Cord in a young child. **Childs Nerv Syst.** 2007; 23(2): 207-213.
14. **Singh A**, Vermani S, Shruti S, Chand K. Papillary meningioma: a rare but distinct variant of malignant meningioma. **Diag Pathol** 2007 Jan 19; 2:3
13. **Singh A**, Ramesh V. A patch of alopecia in a 70-year-old woman **Clin Exp Dermatol** 2007;(32 (3): 229-230
12. **Singh A**, Sharma S, Verma S, Khanna A. Malignant nodular hidradenoma with angiolymphatic invasion. **Ind J Pathol Microbiol** 2007; 50:548-49
11. **Singh A**, Sharma MC, Deb P, Mehta VS, Karak AK, Mahapatra AK, Sarkar C. Gemistocytic astrocytomas: histomorphology, proliferative potential and genetic alterations-a study of 32 cases. **J Neuro-oncol.** 2006 Jun; 78(2): 123-7.
10. **Singh A**, Rakheja D, Bhatnagar A. Clear cell odontogenic carcinoma: a diagnostic and therapeutic dilemma. **World J Surg Oncol** 2006; 4(1): 91

9. **Singh A**, Saxena S. Infiltrating ductal carcinoma of the breast, metastatic to axillary lymph nodes harboring primary tuberculous lymphadenitis. *Pathol Oncol Res.* 2006; 12(3): 188-9.
8. Awasthy N, Chand K, **Singh A**. Gigantic intracranial hydatid cysts: an unusual case report *J Ped Neurol* 2006;4(2): 115-119
7. **Singh A**, Bhatnagar A, Agrawal U, Saxena S. Isolated splenic metastasis from colorectal mucinous carcinoma. *Int J Gastrointes Cancer* 2006; 37:98-101
6. Awasthy N, Chand K, **Singh A**. Brain abscesses with pemphigus vulgaris: a rare association. *Dermatol Online J.* 2005 Dec 1; 11(3): 35
5. **Singh A**, Chand K. Lipomatous metaplasia occurring within meningiomas--two case reports. *Indian J Pathol Microbiol.* 2005 Oct; 48(4): 477-8.
4. Burra UK, **Singh A**, Saxena S. Eccrine porocarcinoma (malignant eccrine poroma): a case report. *Dermatol Online J.* 2005 Aug 1; 11(2): 17.
3. **Singh A**, Mishra S. Clear cell syringoma--association with diabetes mellitus. *Indian J Pathol Microbiol.* 2005 Jul; 48(3): 356-7.
2. **Singh A**, Sharma KC. Recent advances in the Molecular Genetics of Gliomas. *Neurosciences Today* 2004; 2:60-63
1. Kaur J, **Singh A**. Polyunsaturated fatty acids and colon cancer prevention: an overview with special reference to fish oils. *Gastroenterology Today* 2004;8(4): 174-176