

## Curriculum vitae

### Jayesh Mehta

Current Appointment Professor of Medicine  
Northwestern University Feinberg School of Medicine  
The Robert H Lurie Comprehensive Cancer Center of Northwestern University  
(December 2000 onwards)

Director, Northwestern Hematopoietic Stem Cell Transplant Program  
(December 2000 onwards)

Deputy Director, Northwestern University Comprehensive Transplant Center  
(June 2010 onwards)

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Previous Appointments Professor of Medicine  
Clinical Director, Division of Transplantation Medicine  
Director, Myeloma and Lymphoma Program  
South Carolina Cancer Center and Palmetto Richland Memorial Hospital  
University of South Carolina, Columbia, South Carolina  
(July 1999 to October 2000)

Associate Professor of Medicine  
Chief, Section of Allogeneic Stem Cell Transplantation (1998-99)  
Myeloma and Transplantation Research Center  
University of Arkansas for Medical Sciences, Little Rock, Arkansas  
(July 1996 to June 1999)

Lecturer in Hematology  
Seth GS Medical College and King Edward VII Memorial Hospital, Bombay, India  
(March to October 1990)

Personal Date of Birth: 20 August 1964  
Spouse: Seema Singhal MD  
Citizenship: US

Educational Qualifications MBBS, Bombay University, 1985  
MD (Internal Medicine), Bombay University, 1990

Medical studies Undergraduate, Seth GS Medical College, Bombay (1981-1985)  
Rotating internship, KEM Hospital, Bombay (1986)  
Postgraduate, Seth GS Medical College & KEM Hospital (1987-1989)

Residency  
(1987-1989)

House Officer, Internal Medicine, 6 months  
House Officer, Internal Medicine/Neurology, 6 months  
House Officer, Internal Medicine/Cardiology, 6 months  
Registrar, Internal Medicine/Gastroenterology, 6 months  
Registrar, Internal Medicine/Hematology, 1 year

Fellowship  
(1991-1996)

Department of Bone Marrow Transplantation and Cancer Immunobiology  
Hadassah University Hospital, Jerusalem, Israel  
(March 1991 to March 1992)

Senior Registrar and Bone Marrow Transplant Coordinator  
Leukaemia and Myeloma Units, Department of Medical Oncology  
Royal Marsden Hospital, Surrey, UK  
(April 1992 to July 1996)

Board certifications

Internal medicine (ABIM): Certified through 2015  
Hematology (ABIM Subspecialty): Certified through 2020  
Oncology (ABIM Subspecialty): Eligible

Licensure

ECFMG/USMLE: Certified (Steps I-III)  
Illinois Department of Professional Regulation (Active)  
Maharashtra Medical Council (Medical Council of India) (Active)

Inactive: Arkansas State Medical Board, South Carolina Board of Medical  
Examiners, General Medical Council (London, UK), Israeli Medical Council

Journals/  
Editorial Boards

Co-Editor, *Bone Marrow Transplantation*, June 1998 to December 2008  
Deputy Editor, *Bone Marrow Transplantation*, January 2009 to March 2014  
Editorial Board, *Biology of Blood and Marrow Transplantation* (2007 onwards)  
Editorial Board, *Blood* (2009-2013)  
Editorial Board, *Clinical Leukemia* (2006-2009)

Referee:

*American Journal of Hematology, American Journal of Medicine, Annals of  
Oncology, Archives of Internal Medicine, Blood, Bone Marrow Transplantation,  
British Journal of Haematology, Clinical Cancer Research European Journal of  
Cancer, Clinical Infectious Diseases, Clinical Leukemia, Haematologica, The  
Hematology Journal, JAMA, Journal of Clinical Oncology, Journal of  
Hematotherapy, Leukemia, Leukemia and Lymphoma, Mayo Clinic Proceedings,  
Nature Reviews Cancer*

Professional societies

American Society of Blood and Marrow Transplantation  
American Society of Hematology

Research interests

Multiple myeloma  
Hematopoietic stem cell transplantation  
Use of hematopoietic stem cells for experimental and clinical tissue repair  
Opportunistic infections in immunocompromised patients

Major grants (PI/Co-PI) \$50,000 – State of Illinois – Excellence in Academic Medicine – 2001-02  
“Protocol development in hematopoietic stem cell transplantation”

\$1.5 million – Northwestern Memorial Foundation – 2004-06  
“Establishment of a cGMP cell processing facility and advanced cell therapy”

\$2.873 million – State of Illinois – Excellence in Academic Medicine – 2004-08  
“Establishment of a cGMP cell processing facility”

\$0.5 million – Illinois Regenerative Medicine Institute – 2007-09  
Jointly with University of Illinois, Urbana-Champaign (total award \$1 million)  
“Evaluation of a new high-speed cell sorter as an enabling technology for cell therapy”

\$250,000 – Chicago Biomedical Consortium – 2007-10  
Jointly with University of Chicago and University of Illinois at Chicago (total award \$3 million)  
“Tooth regeneration”

#### Patents

Mehta J, Singhal S, Beohar N, Davidson C, Bonow R. G-CSF therapy as an adjunct to reperfusion therapy in the treatment of acute myocardial infarction. US Patent 7,220,407 (Issued 22 May 2007).

Zhao LR, Kessler J, Singhal S, Mehta J. Use of SCF and G-CSF in the treatment of cerebral ischemia and neurological disorders. US Patent 8,524,655 (Issued 3 September 2013).

Zhao LR, Kessler J, Singhal S, Mehta J. Use of SCF and G-CSF in the treatment of cerebral ischemia and neurological disorders. European Patent EP 1817047 B1 (Issued 8 February 2012).

Zhao LR, Mehta J, Singhal S, Kessler J. Use of SCF and G-CSF in the treatment of cerebral ischemia and neurological disorders. Australian Patent 2005306894 (Issued 12 March 2012).

## Bibliography

### *Book*

1. Mehta J, Singhal S, eds. Myeloma. London, Martin Dunitz, 2002 (ISBN 1-901865-50-9).

### *Blood and Marrow Transplantation*

2. Mehta J, Nagler A, Schechter D, Rein AJJT, Slavin S. Acute fatal cardiomyopathy associated with "non-cardiotoxic" chemotherapy for autologous bone marrow transplantation. *Am J Hematol* 1992; 40:242.
3. Or R, Mehta J, Nagler A, Craciun I. Neutropenic enterocolitis associated with autologous bone marrow transplantation. *Bone Marrow Transplant* 1992; 9:383-385.
4. Mehta J, Singhal S, Or R. Cyclophosphamide-induced cardiomyopathy during bone marrow transplantation for severe aplastic anemia. *J Assoc Physicians India* 1994; 42:159-160.
5. Mehta J, Nagler A, Slavin S. Marrow transplantation for multiple myeloma. *N Engl J Med* 1992; 326:1087-1088.
6. Mehta J, Nagler A, Or R, Kapelushnik J, Slavin S. Neutropenic enterocolitis and intestinal perforation associated with carboplatin-containing conditioning regimen for autologous bone marrow transplantation. *Acta Oncol* 1992; 31:591.
7. Or R, Mehta J, Naparstek E, Okon E, Cividalli G, Slavin S. Successful T cell-depleted allogeneic bone marrow transplantation in a child with recurrent multiple extramedullary plasmacytomas. *Bone Marrow Transplant* 1992; 10:381-382.
8. Mehta J, Nagler A, Ackerstein A, Kapelushnik J, Or R. Cutaneous hypersensitivity to co-trimoxazole after autologous bone marrow transplantation and immunotherapy with interferon alpha-2a and interleukin-2. *J Assoc Physicians India* 1993; 41:235-236.
9. Mehta J. Graft-versus-leukemia reactions in clinical bone marrow transplantation. *Leuk Lymphoma* 1993; 10:427-432.
10. Tiley C, Powles R, Treleaven J, Catovsky D, Milan S, Teo CP, Catalano J, Mehta J, Shields M, Gupta P, Richards S, Millar J, Gorman C. Feasibility and efficacy of maintenance chemotherapy following autologous bone marrow transplantation for first remission acute lymphoblastic leukaemia. *Bone Marrow Transplant* 1993; 12:449-455.
11. Powles RL, Mehta J. Systemic fungal infections: Major problems in cancer patients. *Indian J Cancer* 1994; 31:180-184.
12. Treleaven JG, Mehta J. Bone marrow and peripheral stem cell harvesting. *J Hematother* 1992; 1:215-223.
13. Mehta J, Powles RL, Shepherd V, Dainton M, Treleaven J. Transplantation of autologous peripheral blood stem cells mobilized using GM-CSF for acute leukemia with myelofibrosis. *Leuk Lymphoma* 1993; 11:157-158.
14. Or R, Mehta J, Kapelushnik J, Aker M, Naparstek E, Nagler A, Cividalli G, Slavin S. Total lymphoid irradiation, anti-lymphocyte globulin and CAMPATH 1-G for immunosuppression prior to bone marrow

- transplantation for severe aplastic anemia after repeated graft rejection. *Bone Marrow Transplant* 1994; 13:97-99.
15. Mehta J, Powles R, Treleaven J, Shields M, Agrawal S, Rege K, Mitchell P, Allard S. Cimetidine-induced myelosuppression after bone marrow transplantation. *Leuk Lymphoma* 1994; 13:179-181.
  16. Mehta J, Powles RL, Mitchell P, Rege K, De Lord C, Treleaven J. Graft failure after bone marrow transplantation from unrelated donors using busulphan and cyclophosphamide for conditioning. *Bone Marrow Transplant* 1994; 13:583-587.
  17. Mitchell P, Powles R, Treleaven J, Rege K, Mehta J, Jameson B. Topical phenoxylethanolamine for *Pseudomonas* infections in neutropenic patients. *J Hosp Infection* 1993; 25:53-56.
  18. Kapelushnik J, Nagler A, Or R, Naparstek E, Cividalli G, Aker M, Mehta J, Mumcuoglu M, Slavin S. Autologous bone marrow transplantation for stage IV neuroblastoma: the role of soybean agglutinin purging. *Transplant Proc* 1993; 25:2375-2376.
  19. Mehta J, Powles R, Horton C, Milan S, Treleaven J, Tait D, Catovsky D. Bone marrow transplantation for primary refractory acute leukaemia. *Bone Marrow Transplant* 1994; 14:415-418.
  20. Perry A, Mehta J, Iveson T, Treleaven J, Powles R. Guillain-Barre syndrome after bone marrow transplantation. *Bone Marrow Transplant* 1994; 14:165-167.
  21. Mehta J, Singhal S, Powles R. Approach to the febrile neutropenic patient. II: Antimicrobial therapy and prophylaxis. *Postgrad Doctor Middle East* 1994; 17:392-399.
  22. Rege K, Mehta J, Treleaven J, Jameson B, Meller ST, Mitchell P, Milan S, Powles RL. Fatal pneumococcal infections following allogeneic bone marrow transplantation. *Bone Marrow Transplant* 1994; 14:903-906.
  23. Singhal S, Mehta J, Powles R, Treleaven J, Horton C, Carrington D, Tryhorn Y, Jameson B. Three weeks of ganciclovir for cytomegaloviraemia after allogeneic bone marrow transplantation. *Bone Marrow Transplant* 1995; 15:777-781.
  24. Zomas A, Mehta J, Powles R, Treleaven J, Iveson T, Singhal S, Jameson B, Paul B, Brincat S, Catovsky D. Unusual infections following allogeneic bone marrow transplantation for chronic lymphocytic leukemia. *Bone Marrow Transplant* 1994; 14:799-803.
  25. Mehta J, Singhal S, Powles R. Approach to the febrile neutropenic patient. I: General principles of management. *Postgrad Doctor Middle East* 1994; 17:327-333.
  26. Mehta J. Interferon alfa-2a for chronic myeloid leukemia. *N Engl J Med* 1994; 331:401-402.
  27. Singhal S, Mehta J, Powles R. Prevention of cytomegalovirus disease by a short course of preemptive ganciclovir or foscarnet. *Blood* 1994; 84:2055.
  28. Powles R, Mehta J, Singhal S, Horton C, Tait D, Milan S, Pollard C, Lumley H, Matthey F, Shirley J, Williams H, Samaratunga I, Lakhani A, Millar J, Treleaven J. Autologous bone marrow or peripheral blood stem cell transplantation followed by maintenance chemotherapy for adult acute lymphoblastic leukemia in first remission: 50 cases from a single center. *Bone Marrow Transplant* 1995; 16:241-247.
  29. Lampe H, Dearnaley DP, Price A, Mehta J, Powles R, Nicholls J, Horwich A. High-dose carboplatin and etoposide for salvage therapy of germ cell tumours. *Eur J Cancer* 1995; 31A:717-723.
  30. Chang J, Powles R, Mehta J, Paton N, Treleaven J, Jameson B. Listeriosis in bone marrow transplant recipients: incidence, clinical features, and treatment. *Clin Infect Dis* 1995; 21:1289-1290.

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