

**Sonia Sandhu, MD**  
**Curriculum Vitae**  
**Ironwood Cancer & Research Centers, A Division of**  
**Ironwood Physicians, PC**

**PRESENT ACADEMIC RANK AND CLINICAL POSITIONS**

8/1/2022 - Present

Ironwood Physicians, PC

*Physician, Medical Oncology/Hematology*

8/1/2015 – 8/1/2022

Assistant Professor of Medicine,  
Northeast Ohio Medical University,  
Rootstown, OH, 44272.

Assistant Program Director  
Internal Medicine Residency Program.  
Cleveland Clinic, Akron General Medical Center  
224 W. Exchange Street. Akron, OH, 44302.

Service Chief  
Division of Hematology & Oncology  
***McDowell Cancer Center***  
Cleveland Clinic, Akron General Medical Center  
224 W. Exchange Street. Akron, OH, 44302.

Chairman quality improvement  
Cancer committee  
Division of Hematology & Oncology  
***McDowell Cancer Center***  
Cleveland Clinic, Akron General Medical Center  
224 W. Exchange Street. Akron, OH, 44302.

Member, peer review committee  
Division of Hematology & Oncology  
***McDowell Cancer Center***  
Cleveland Clinic, Akron General Medical Center  
224 W. Exchange Street. Akron, OH, 44302.

## PAST ACADEMIC POSITION

Clinical Associate  
Department of Hematology & Oncology  
University of Iowa Hospitals and Clinics  
Iowa City – 52242, Iowa

## PREVIOUS PROFESSIONAL POSITIONS

Junior Consultant. Sitaram Bhartia Institute of Science & Research (SBISR), New Delhi, India.  
**09/2005 – 12/2007.**

## EDUCATION AND TRAINING

**Chief Fellow:** in Hematology & Oncology, John H Stroger, Jr Hospital of Cook County/Rush University, Chicago, IL. July 2013 – June 2014.

**Fellowship:** Fellow in Hematology & Oncology, John H Stroger, Jr Hospital of Cook County/Rush University, Chicago, IL. July 2011 – June 2014.

**Residency:** Internal Medicine at John H Stroger, Jr Hospital of Cook County, Chicago, IL. July 2008 – June 2011.

**Residency (MD):** Internal Medicine at Pt. B.D.Sharma Post Graduate Institute of Medical Sciences (Maharishi Dayanand University), Rohtak, India. July 2002 – June 2005.

**Medical School and Internship (MBBS):** Pt. B.D.Sharma Post Graduate Institute of Medical Sciences (Maharishi Dayanand University), Rohtak, India. August 1995 – February 2001.

## DEGREE

**Doctor of Medicine (MD):** PT. B. D. Sharma Postgraduate Institute of Medical Sciences, Rohtak, India. 6/2005.

**Bachelor of Medicine and Bachelor of Surgery (M.B.B.S.):** PT. B. D. Sharma Postgraduate Institute of Medical Sciences, Rohtak, India. 12/2000.

## BOARD CERTIFICATION

American Board of Internal Medicine (ABIM): **Internal Medicine. 9/2011 - 9/2021**

American Board of Medical Specialties (ABMS): **Medical Oncology 12/2014 – 12/2024**

American Board of Medical Specialties (ABMS): **Hematology. 12/2014 – 12/2024**

## PROFESSIONAL ORGANIZATION MEMBERSHIPS

ASCO – American Society of Clinical Oncology: **2011 – present**

ASH – American Society of Hematology: **2011 – present**

ACP – American College of Physicians: **2008**

## MEDICAL LICENSURE

Ohio State Medical Board – Permanent – currently active

## HONORS AND AWARDS

Chief fellow: Hematology and Oncology. **(2013-2014)**

Clinical Skills and Scholarship Award. **(2010)**

Student education award. **(2010)**

Ranked 1<sup>st</sup> Internal medicine residency training. **(2005)**

Ranked 5<sup>th</sup> in MBBS in a class of 150 **(1995-2000)**

Distinction in Pathology. **(1995-2000)**

Silver medal in Preventive & Social Medicine. **(1995-2000)**

Silver medal in Ear, Nose & Throat. **(1995-2000)**

Proficiency prize in physiology. **(1995-2000)**

## PUBLICATIONS

Bodeker KL, Allen BG, Smith MC, Monga V, **Sandhu S**, et al. First in human phase 1 clinical trial of pharmacological ascorbate combined with radiation and temozolamide for newly diagnosed glioblastoma. *Clinical Cancer Research*. 2019.

Desai A, **Sandhu S**, Lai JP, Sandhu DS. Hepatocellular carcinoma in non cirrhotic liver: A comprehensive review. *World Journal of Hepatology*. 11;1, 1. **Citations 8**

Schoenfeld JD, Sibenaller ZA, Mapuskar KA, Wagner BA, Cramer-Morales KL, Furqan M, **Sandhu S\***, et al. O<sub>2</sub>- and H<sub>2</sub>O<sub>2</sub>-Mediated Disruption of Fe Metabolism Causes the Differential Susceptibility of NSCLC and GBM Cancer Cells to Pharmacological Ascorbate. *Cancer Cell*. 2017. 31;487-500.

**Impact factor 27.4; Citations 103**

Altman JK, Rademaker A, Cull E, Weitner BB, Ofran Y, Rosenblat TL, Haidau A, Park JH, Ram SL, Orsini JM Jr, **Sandhu S\***, et al. Administration of ATRA to newly diagnosed patients with acute promyelocytic leukemia is delayed contributing to early hemorrhagic death. *Leuk Res*. 2013;37:1004-1009. **Impact factor 2.319; Citations 74**

**Sandhu S\***, Cisak K, Sreenivasappa SB, et al. Adverse events in non-AIDS-defining cancer patients receiving chemotherapy and combined antiretroviral therapy. J Clin Oncol 31, 2013 (suppl; abstr e12523). *Impact factor 24.008*

**Sandhu S\***, Gupta S, Itokazu G et al. Prevention of adverse events during treatment of HIV-associated Hodgkin lymphoma with ritonavir and zidovudine. J Clin Oncol 30, 2012 (suppl; abstr 8085). *Impact factor 24.008; citations 2.*

Jain P, Poola H, Bharadwaj S, **Sandhu S\***, et al. Is Epidemiology Losing Importance in an Era of Molecular Target Science and Personalized Medicine? Journal of General Internal Medicine. 2012. 27, S234-S235.

Gupta S, Mupiddi MR, Batra KK, **Sandhu S\***, et al. Primary care for cancer patients – Primary Care Physician's (PCP) Perspective: 167. Asia Pacific Journal of Clinical Oncology. 2011. 7, 113-114.

Gupta S, Jain S, **Sandhu S\***, et al. A Retrospective Analysis of All Hematological Malignancies in Patients Infected with HIV, a Subset Analysis of the CHAMP Study (Cook County Hospital (CCH) AIDS Malignancy Project). Blood. 2011. 118 (21):3693-3693. *Impact factor 13.164; Citations 2.*

Sandhu DS, **Sandhu S\***, Karwasra RK. Profile of Breast Cancer Patients at a tertiary care hospital in North India. Indian J Cancer. 2010 Jan-Mar;47(1):16-22. *Impact factor 0.658; citations 103.*

Sreenivasappa SB, Ciobanu B, **Sandhu S\*** et al. Recurrence pattern in early-stage breast cancer in a minority cohort. J Clin Oncol 28:15s, 2010 (suppl; abstr 1600). *Impact factor 24.008*

Sreenivasappa SB, Braik T, **Sandhu S\***, et al. Response to Anti D Immunoglobulin in Adults with Chronic Immune Thrombocytopenic Purpura in a Minority Cohort with Long Term Follow up. Blood. 2009. 114 (22), 4465-4465. *Impact factor 13.164.*

Aggarwal HK, Yashodara BM, Nand N, **Sonia\***, et al. Spectrum of renal disorders in a tertiary care hospital in Haryana. J Assoc Physicians India. 2007;55:198-202. *Impact factor 0.37; Citations 21.*

Aggarwal HK, **Sonia\***, Jain D, Nand N. Evaluation of role of low molecular weight heparin & vitamin E on renal functions and oxidative stress in patients of diabetic nephropathy. Japanese Journal of Nephrology. 2006; 48: No. 3. 231

Aggarwal HK, **Sonia\***, Seth S, et al. Comparative evaluation of low molecular weight heparin & vitamin E on renal functions and oxidative stress in patients of diabetic nephropathy. Indian Journal of Nephrology (Abstract). 2005; Vol:15 No. 3, Pages: CNO-21.

Aggarwal HK, Nand N, Bharti K, Sen J, Chakrabati D, **Sonia\***. Splenic Infarct in Malaria – An Unusual Aetiology. Journal, Indian Academy of Clinical Medicine. 2005; Volume: 6, No. 4, Pages: 331-3

Aggarwal HK, Chakrabati D, Nand N, **Sonia\***, et al. HIV Infection Presenting as Guillain-Barré Syndrome. Journal, Indian Academy of Clinical Medicine. 2005; Volume: 6, No. 4, Pages: 341-2.  
*Citations 3.*

## POSTER PRESENTATIONS: NATIONAL/INTERNATIONAL CONFERENCES

Twohig, P, Desai A, **Sandhu S**, Sandhu DS. Zieve's Syndrome: Case Report, Review of the Literature and Electronic Patient Database. American College of Gastroenterology. San Antonio, Tx, USA. Oct 2019.

Desai A, Twohig P, **Sandhu S**, Sandhu DS. Quantifying Risk Factors and Comparing Clinical Parameters for Cirrhotic and Non-Cirrhotic Hepatocellular Carcinoma (HCC) in Non-Alcoholic Steatohepatitis (NASH). American College of Gastroenterology. San Antonio, Tx, USA. Oct 2019.  
*Presidential Poster Award.*

Twohig P, Butt M, Gardner T, **Sandhu S**, Sandhu DS. Racial and Gender Disparities Among Obese Patients with Pancreatic Cancer: A Trend Analysis From 2004-2018 in the United States. American College of Gastroenterology. San Antonio, Tx, USA. Oct 2019.

Thakur T, Sese D, Owusu OT, **Sandhu S**. The Search is On: Lung Adenocarcinoma Presenting As A Primary Orbital Metastatic Lesion. American Thoracic Society Conference. 2017

Altman JK, Rademaker A, Cull E, Weitner BB, Ofran Y, Rosenblat TL, Haidau A, Park JH, Ram S, Orsini J, **Sandhu S** et al. Administration of All-Trans Retinoic Acid (ATRA) to Newly Diagnosed Patients (pts) with Acute Promyelocytic Leukemia (APL) Is Delayed Even At Experienced Centers and Associated with An Increased Early Death Rate (EDR): A Retrospective Analysis of 205 Pts. 53<sup>rd</sup> ASH Annual meeting and Exposition. San Diego. 2011.

Gupta S, Jain S, **Sandhu S** et al. A Retrospective Analysis of All Hematological Malignancies in Patients Infected with HIV, a Subset Analysis of the CHAMP Study (Cook County Hospital (CCH) AIDS Malignancy Project). 53<sup>rd</sup> ASH Annual meeting and Exposition. San Diego. 2011.

Sandhu DS, Kaura T, **Sandhu S**. Infective Endocarditis due to Bartonella quintana: a challenging diagnostic entity. Poster presented at: Cook County Research Day Meeting; Chicago, IL. 2009.

Sandhu DS, **Sandhu S**, Nagarajan V. Doctor, I am always "thirsty". Poster presented at: American College of Physicians - Northern Illinois Chapter; Chicago, IL. 2009

**Sandhu S**, Sandhu DS, Kaura T. Pituitary abscess - A rare entity. Poster presented at: Cook County Research Day Meeting; Chicago, IL. 2009.

### **Mentoring**

Mentored several medical students, nursing students, residents and fellows over the past several years.

### **Current Projects**

Quality improvement project: Analyzing time to treat lung cancer.

Diagnostic staging of colon cancer based on zip code.

End of life chemotherapy.

### **Google Scholar Profile:**

<https://scholar.google.com/citations?hl=en&user=By7gjhYAAAAI>