

ARUN CHAKRABARTY, M.D.

Curriculum Vitae

EDUCATION

M.D., Loma Linda University School of Medicine, Loma Linda, CA, 2001
(Transferred from St. George's University School of Medicine, Grenada, West Indies, 1998)

B.A., University of California, San Diego, La Jolla CA, 1994
Major: Economics, Minor: Biochemistry

CERTIFICATION AND LICENSURE

- American Board of Internal Medicine (ABIM) 2014
- St. Mary Medical Center, Long Beach/UCLA Harbor, Torrance, CA
- Board Certified in Internal Medicine (ABIM): 2001-present
- Fully Active California Medical License

EXAMINATIONS

- OKAP PGY-2 level 66 percentile, 2008
- USMLE Step 3, Passed, 2001
- USMLE Step 2, Score 220, 2000
- USMLE Step 1, Equivalent 235-240, 1999
- USMLE Step 1, Score 217, 1997

MEDICAL TRAINING

Residency, Internal Medicine, St. Mary Medical Center, Long Beach/UCLA Harbor Torrance, CA (2011-2014)

- **Board Certified in Internal Medicine (ABIM) 2014**

Part-time Emergency Room Volunteer, Hemet Valley Medical Center, Hemet, CA, 2011

Part-time Researcher, Dr. Sinha, University of Southern California Department of Head and Neck Surgery, Los Angeles, CA, 2009-2011

PGY-3 Ophthalmology Resident, Virginia Commonwealth University Department of Ophthalmology, 2008-2009

PGY-2 Ophthalmology Resident, Kansas University Department of Ophthalmology, 2007-2008

Part-time Research Fellow, Dr. Sinha, University of Southern California Department of Head and Neck Surgery Los Angeles, CA, 2006-2007

Ophthalmology Research Fellow, Dr. Gimbel and Dr. Song, Loma Linda Ophthalmology, Loma Linda, CA, 2004-2005

Clinical Research Fellow, Dr. Karl Beutner, MD, PhD, Solano Research Vallejo/Davis, CA, 2003-2004

Researcher, Wound Healing & Clinical Fellow w/Dr. Tania Phillips, Boston University Dermatology, Boston, MA, 2002-2003

Internal Medicine - Preliminary Year, Berkshire Medical Center (University of Massachusetts affiliate), Pittsfield, MA, 2001-2002

PROFESSIONAL EXPERIENCE

Adult Urgent Care Physician, Dr. Mike's Walk in Clinic, Hesperia, CA 2020-present

Addiction Practice Pathway, Hazelden Betty Ford Addiction Medicine 2019-2020

Hospitalist, Mercy Medical Center, Redding, CA 2018-present

Hospitalist, St. Elizabeth Community Hospital, Red Bluff, CA, 2018-present

Hospitalist, Oak Valley Hospital, Oak Valley, CA, 2018-2019

Hospitalist, Petaluma Valley Hospital, Petaluma, CA, 2017-2018

Hospitalist, Queen of the Valley, Napa, CA, 2017-2020

Hospitalist, Desert Regional Medical Center, Palm Springs, CA 2014-present

Part-time Faculty, UCR Family Practice Residency at Desert Regional Medical Center Palm Springs, CA 2016-2017

Hospitalist, San Geronio Memorial Hospital, Banning, CA 2016-2017

Hospitalist, Antelope Valley Hospital, Lancaster, CA 2016

POSTGRADUATE RESEARCH & FELLOWSHIPS

RESEARCH EXPERIENCE

Highlighting pain molecules via radiographic imaging: majority of time spent observing the clinical aspects of anesthesiology and ENT (perioperative care). 2009-2011

Part-time research fellow at USC Head & Neck Surgery, Dr. Sinha
Identifying tumor markers for squamous cell carcinoma of the head and neck. 2006-2007

Ophthalmology Research Fellow: Served as the research fellow/coordinator for the program director and research chair; engaged in various retina studies that involve VEGF inhibitors (Genentech-sponsored study) and an upcoming pilot study for laser photocoagulation for DME; basically, developed clinical research department from stepping stone along with our regulatory coordinator. 2004-2005

INDEPENDENT PROJECTS

Acular Study for Diabetic Patients with Cataracts: A Prospective 1 Year Study involving 2 cohorts (one cohort receives Predforte and Acular LS 2 weeks prior to cataract surgery and the second cohort receives no treatment prior to cataract surgery): Plan to enroll up to 75 patients and 15 patients (currently enrolled) : Objective is to determine whether anti-inflammatories reduce the incidence of macular edema prior to cataract surgery as opposed to standard therapy of anti-inflammatories S/P cataract surgery)

Adventist Health Study-2: Focused on identifying potential risk factor and/or benefits from the ongoing NIH-sponsored Adventist Health Study-2 (a relatively homogenous population with low incidence of smoking, alcohol intake, and a predominantly vegetarian diet) –investigating lifestyle/nutrition factors in the incidence of chronic diseases (i.e. cardiovascular, cancer, etc.): some preliminary evidence identifying the benefits of certain food groups;

Clinical Studies (NIH-sponsored and industry):

- DRCR (Laser/Intravitreal/Peibulbar): NIH-sponsored trials comparing an intravitreal preservative-free steroid versus laser therapy for diabetic macular edema.
- Phase III trial of Genentech Lucentis for patients with all subtypes of wet AMD (2/3 chance of active treatment versus sham therapy).
- Phase II trial Genaera/squalamine: an intravenous agent that inhibits neovascularization via multiple processes through growth signaling, cytoskeleton disruption, and endothelial apoptosis; ophthalmic assessments occur at Loma Linda ophthalmology and drug infusion takes place across at Loma Linda University Medical Center (LLUMC).

Regular Clinics & Surgery

Observed surgery and patient care in general clinic, including a number of photodynamic therapy administrations for research patients requiring Verteporfin PDT.

Clinical Research Fellow, 2003-2004

Solano Clinical Research, Dr. Karl R. Beutner M.D., Ph.D.

A clinical trials fellowship under the direction of Karl R. Beutner, M.D., Ph.D., Associate Clinical Professor UCSF, and VP and Chief Medical Officer at Dow Pharmaceutical Sciences.

Phase I to Phase III trials and in-depth understanding of guidelines to clinical practice. Dr. Beutner's expertise lies in cutaneous infections, notably cutaneous virology. His research site was one of the first sites to administer imiquimod for the treatment of condyloma acuminata. In the NEJM Nov. '02 issue regarding a controlled trial of HPV16 vaccine, Dr. Beutner was mentioned in the Proof of Principle Investigators. In addition, he is a co-author for the use of Valtrex in the transmission reduction among heterosexual, discordant couples for a NEJM article Jan '04 article.

Clinical Studies (not comprehensive list)

- 1) Phase I Cytomegalovirus vaccine (unique DNA-plasmid method)- a safety and immunogenicity trial in healthy adults (only 2 sites in the nation)
- 2) Herpes vaccine (a glycoprotein-subunit vaccine) for the prevention of herpes in double, sero-negative women
- 3) Efficacy of a polyvalent HPV vaccine with an immunogenicity bridge to monovalent HPV16 vaccine - A large randomized, double-blind, placebo-controlled, Phase III multicenter study to evaluate whether the polyvalent vaccine will reduce incidence of cervical cancer, vulvar intraepithelial neoplasia, and condyloma acuminata.
- 4) Compare the safety and immunogenicity of a new smallpox vaccine versus the standard Dryvax vaccine - A Phase III, multicenter, randomized study in naïve and previously vaccinated individuals.
- 5) Safety and Efficacy of "New Chemical Entity" in treatment of External Genital Warts - A multicenter, double-blind, three arm, placebo-controlled Phase III trial.

Clinical Research and Wound Healing Fellow, 2002-2003

Boston University School of Medicine, Dr. Tania Phillips

Clinical Studies Description:

- 1) A "topical growth factor in subjects with venous ulcers - A randomized, double-blind, placebo-controlled, multi-center Phase III study to evaluate the efficacy and safety.
- 2) Daily cytokine subcutaneous injections in the treatment of psoriasis - A randomized, double-blind, placebo-controlled, Phase III pharmacogenomic study of a recombinant human "cytokine" in patients with active psoriasis.
- 3) A prospective, randomized, controlled clinical study to evaluate the effectiveness of a cellulose matrix wound dressing for autolytic debridement and healing of chronic venous ulcers.

4) A prospective, multicenter, randomized Phase III trial of a "bioengineered skin equivalent" in patients with venous leg ulcers.

Clinical Research Fellow, 2002-2003

Boston University Department of Dermatology, Dr. Tania Phillips

I had an excellent opportunity to be involved in a research fellowship under Dr. Phillips at Boston University, Department of Dermatology and Vascular Surgery, whose expertise lies in wound healing. As main fellow of the wound healing clinic, I obtained significant experience in diagnosing and managing a diverse array of leg ulcers from the common diabetic/venous etiology to the unusual causes (RA, SLE, sarcoid, calciphylaxis, sarcoid, etc). Also, I wrote various manuscripts, which have been published.

Research Assistant, 1998

Loma Linda University School of Medicine, Drs. Cohen and Hardesty

One-third of women with breast implants develop breast capsular hardening due to the development of fibrosis. The purpose of the study was to evaluate the role of antibodies to TNF alpha and IL-1 in the prevention and/or reduction of breast capsular contracture. Basically, my role was to assist in the implantation of miniaturized breast implants into the dorsum of mice and assist with the injection of antibodies or placebo to evaluate the development of capsular fibrosis.

Lab Assistant, 1993

University of California, San Diego, Dr. Charles Zuker

Studied the role of mechano-transduction in the 2nd antenna segment of the chordotonal organ of *Drosophila Melanogaster* (fruit fly).

HONORS AND AWARDS

- Timely Completion Dictations (Resident Record at Internal Medicine Residency at St. Mary's Medical Center Long Beach, CA)
- Honors in Trauma Surgery, senior year, one month elective
- Top 10% of class of Basic Science, sophomore year
- High Marks in Physiology, Pharmacology, Microbiology (see last page of Dean's letter):
USMLE equivalent 235-240
- Spring Quarter, University California San Diego - Provost's Academic Award, 1994
- Fall Quarter, University California San Diego - Provost's Academic Award, 1993
- Winter Quarter, University California San Diego - Provost's Academic Award, 1992

PUBLICATIONS & PRESENTATIONS

Atypical Presentation of Colon Carcinoma: Initial Diagnosis of Metastatic Colorectal Carcinoma with Pathologic Humeral Fracture, Poster Presentation (2014)

Journal Club: Fidaxomicin vs. Vancomycin for C-diff Colitis PowerPoint Presentation; St. Mary's Medical Center Internal Medicine Department (2012)

Atypical Case: Orbital Cellulitis PowerPoint Presentation, Virginia Commonwealth Department of Ophthalmology (2009)

Ocular Sarcoid; PowerPoint Presentation, Kansas Univ Dept of Ophthalmology (2008)

Conjunctival Lymphoma PowerPoint Presentation (involving radiation oncology), Kansas University Department of Ophthalmology (2008)

Narvaez J, Chakrabarty A, Chang Kenneth. "Treatment of epithelial ingrowth after LASIK enhancement with a combined technique of mechanical debridement, flap suturing, and fibrin glue application." *Cornea*. (2006) 25(9):1115-7.

Chakrabarty AK, Mraz S, Geisse JK, Anderson NJ. "Apthous Ulcers Associated with Imiquimod and the treatment of actinic cheilitis" *J Am Acad Dermatol*; (2005) 52 (Suppl 1): 35-7.

Chakrabarty A, Beutner KR. "Therapy of Other Viral Infections: Herpes to Hepatitis" for publication in "The Treatment Issue of Skin Infections" for *Dermatologic Therapy* guest editor Dr. Stephen Tyring; (2004) 17(6): 465-490.

Chakrabarty A , Pang KR, Wu JJ, Narvaez J, Micheal R, , Huang DB, Beutner KR, Tyring SK. "Emerging Therapies for herpesvirus infections (types 1-8)" for *Expert Opinon on Emerging Drugs*; (2004) 9(2): 237-56.

Chakrabarty A, Tyring SK, Beutner KR, Michael R. "Recent clinical experience with famciclovir – a third generation nucleoside prodrug" *Antiviral Chemistry & Chemotherapy*; (2004) 15(5): 251-253.

Chakrabarty A, Phillips TJ. "Leg Ulcers of Unusual Causes", *Lower Extremity Wounds*. (2003) 2(2): 1-9.

Chakrabarty A, Phillips TJ. "What is the diagnosis? Critical Leg Ischemia." *Wounds*. (2003) 15(5): 167-172.

Chakrabarty A, Phillips TJ. "Necrobiosis Lipoidica (Diagnostic Dilemma)" *Wounds*. (2003) 15(2): 59-62.

Chakrabarty A, Stefanato CM., Phillips TJ. "Pretibial Myxedema (Diagnostic Dilemma)" *Wounds*. (2002) 14(9): 308-13.

Chakrabarty A, Phillips TJ. "Pyoderma gangrenosum (Diagnostic Dilemmas)" *Wounds*. (2002) 14(8): 302-5.

Lin P, Chakrabarty A, Phillips TJ. "A Phase III, Prospective, Randomized Study of a foam composite dressing versus a hydrocellular foam pad. sponsored by Convatec, a Bristol-Myers Squibb company); no financial involvement." Poster Presentation at 16th Annual Symposium on Wound Care. (2003)

COMMUNITY SERVICE

Student Volunteer, St. George's University Hospital 1995-1996

- Medical student involved in distributing vaccinations, general medical history, and health education at a local orphanage in St. George's, Grenada.

Hospital Volunteer, St. George's University Hospital, 1990

- Volunteered during high school senior year. Part time volunteer during end of senior year of high school at local community hospital. Assisted the elderly patients mainly by wheelchair transportation, feeding them, and talking with them.

LANGUAGES

English, Bengali, Hindi, and high-school level Spanish