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Glucocorticoids & Mood:

Clinical Manifestations, Risk Factors
& Molecular Mechanisms

Satellite to 2008 Endocrine Society Annual Meeting

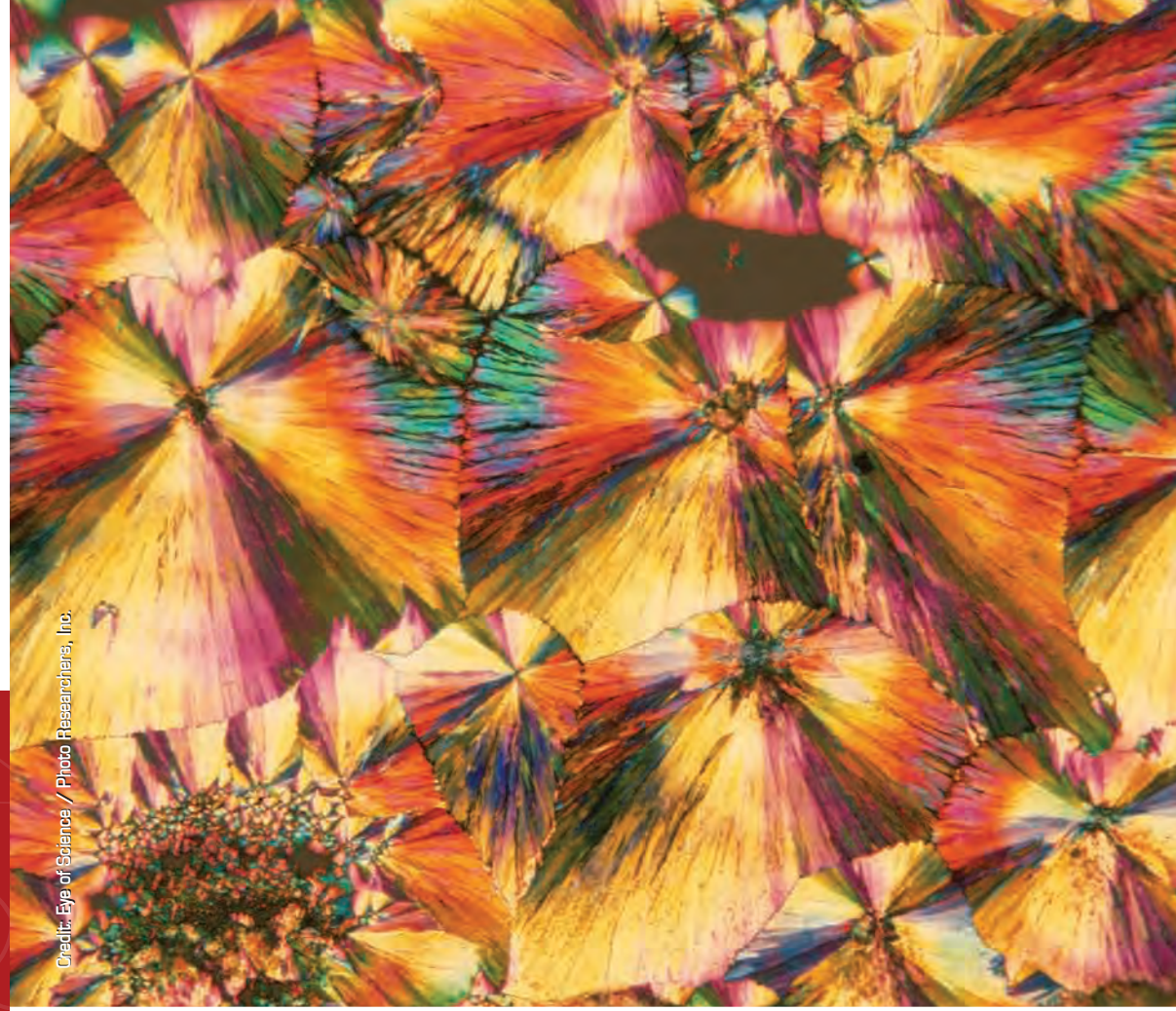
June 20-21, 2008

San Diego Marriott Del Mar



UNIVERSITY of CALIFORNIA, SAN DIEGO
SCHOOL OF MEDICINE

Diana Foundation



Credit: Eye of Science / Photo Researchers, Inc.

Polarized light micrograph of hydrocortisone (cortisol), the most important glucocorticoid produced by the adrenal cortex. Magnification: 120x

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Dear Colleague,

The UCSD Department of Psychiatry and The Diana Foundation would like to invite you to attend the **Glucocorticoids and Mood: Clinical Manifestations, Risk Factors and Molecular Mechanisms** symposium. We believe the time has come for a state-of-the-art scientific symposium focusing on the effects of glucocorticoids on mood and the mechanisms mediating these effects. The conference will encompass many aspects of the clinical effects of glucocorticoids in a variety of illnesses and in health, including molecular mechanisms, glucocorticoid resistance and sensitivity, glucocorticoid receptor polymorphisms, and implications for therapy.

In light of the important clinical implications for treatment of a wide range of diseases with glucocorticoids and the potential serious side effects of depression and suicidality, it is timely that this subject be re-visited due to new research. The topics addressed will include a survey of clinical features of glucocorticoid treatment and molecular and genetic factors in glucocorticoid resistance and sensitivity. The topics will be of relevance to many medical specialties in which glucocorticoid therapy is widely used, including but not limited to, rheumatology, orthopedics, pain management, allergy/immunology and asthma.

Diana Padelford Binkley Foundation

The Diana Padelford Binkley Foundation ("The Diana Foundation") was established in 2004 as a 501(C)3 charitable institution in memory of Diana Binkley. The foundation was created in response to Diana's steroid psychosis and resultant suicide and to provide information and facilitate dialogue between western physicians, alternative medicine practitioners, and patients and family members regarding the diagnosis, treatment and management of pain in women. In 2006 and 2007 the foundation co-sponsored two annual Pain Management in Women Over the Life Cycle conferences with UCSD's School of Medicine.

Additional information is available at: www.dianafoundation.com.

Accreditation

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the University of California, San Diego School of Medicine and the **Diana Padelford Binkley Foundation**. The University of California, San Diego School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

The University of California, San Diego School of Medicine designates this educational activity for a maximum of **10.75 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Objectives

- Describe the range of clinical mood syndromes associated with glucocorticoid therapy
- Define molecular and genetic predispositions and polymorphisms in glucocorticoid receptors
- Provide tools for identifying populations at risk, including biomarkers and genetic screens
- Discuss implications for drug development of selective glucocorticoid agents

Target Audience

- Early stage researchers who will benefit from the knowledge and experience of senior scientists
- Experienced researchers and scientists who will find a stimulating environment for discussing achievements in the perspective of an interdisciplinary approach
- Pharmaceutical industry scientists who will collaborate with others interested in decreasing the gap from bench to bedside
- Health professionals who are interested in translational research
- Fellows, Post Docs, Trainees and Residents who are interested in the transfer of knowledge from expert scientists to early stage researchers

Course Director

Lewis L. Judd, MD

Mary Gilman Marston Professor
Chair, Department of Psychiatry
University of California, San Diego
La Jolla, California

Faculty

E. Sherwood Brown, MD, PhD

Associate Professor
University of Texas Southwestern Medical Center
Dallas, Texas

George Chrousos, MD, FAAP, MACE, MACP

Professor and Chairman
Athens University Medical School
Children's Hospital Aghia Sophia
Athens, Greece

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Chief, Laboratory of Signal Transduction
National Institutes of Environmental Health
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Center for Cellular Basis of Behaviour
The James Black Centre
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Behavioral Endochronology Branch
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Professor and Chairman
Department of Psychiatry and Behavioral Sciences
Stanford University School of Medicine
Stanford, California

Esther Sternberg, MD

Director, Integrative Neural-Immune Program
Chief, Section on Neuroendocrine
Immunology & Behavior
National Institute of Mental Health/NIH
Bethesda, Maryland

Rosalie M. Uht, MD, PhD

Assistant Professor
Pathology, Biochemistry and Molecular Genetics
University of Virginia School of Medicine
Charlottesville, Virginia

Elisabeth F. C. van Rossum, MD, PhD

Department of Internal Medicine
Erasmus Medical Center
Rotterdam, The Netherlands

Owen Wolkowitz, MD

Professor in Residence
Department of Psychiatry
University of California, San Francisco
San Francisco, California

Program

Friday, June 20, 2008

- 12:00 pm Registration
- 1:00 Overview
Lewis L. Judd, MD
- 1:15 Glucocorticoid Dysregulations and their Clinical Correlates:
From Receptors to Therapeutics
Esther Sternberg, MD
- 1:45 Glucocorticoids Overview: Mood Memory and Mechanisms
Owen Wolkowitz, MD
- 2:30 Clinical Syndromes Associated with Glucocorticoid Polymorphisms:
An Overview
Steven W. Lambert, MD, PhD
- 3:15 Break
- 4:00 Use of Glucocorticoid Antagonists in Psychotic Disorders
Alan F. Schatzberg, MD
- 4:45 Risk Factors for Development of Depression and Psychosis: Glucocorticoid
Receptors and Pituitary Implications for Treatment with Antidepressants
and Glucocorticoids
Carmine M. Pariante, MD
- 5:30 pm Wine and Cheese Reception

Saturday, June 21, 2008

- 7:30 am Continental Breakfast
- 8:00 Announcements
- 8:05 Development of Depression with Glucocorticoids: Treatment and Preventive
Therapy with Anticonvulsants and Atypical Antipsychotic – Glucocorticoids
Effects on Hippocampal Volume and Mood
E. Sherwood Brown, MD, PhD
- 8:30 Insufficient Glucocorticoid Signaling and Cytokines in Major Depression
Andrew H. Miller, MD
- 9:00 Glucocorticoid Receptor Molecular Biology
John A. Cidlowski, PhD
- 9:30 Break
- 9:45 Glucocorticoid Receptor Polymorphisms in Major Depression
Stephan Claes, MD, PhD
- 10:15 Glucocorticoid Receptor Polymorphisms Associated with Glucocorticoid
Hypersensitivity and Resistance in Major Depression
Elisabeth F.C. van Rossum, MD, PhD
- 10:45 Panel Discussion: Genetic Risk Factors in Glucocorticoid Related Mood
Disorders
Chair and Discussant: George Chrousos, MD, FAAP, MACE, MACP

Saturday agenda continued

- 11:45 Luncheon
- 1:00 Sex Hormones and Mood in the Peri-Menopausal Period: Studies on
Pharmacologic Induction of Menopause
Peter John Schmidt, MD, FRCP
- 1:30 Molecular Biology and Functional Integration of Glucocorticoid and
Estrogen Receptors
Rosalie M. Uht, MD, PhD
- 2:00 Cellular and Molecular Regulation of CRF Receptor Signaling
Richard L. Hauger, MD
- 2:30 Break
- 2:45 Glucocorticoid Action Networks and Complex Psychological and
Somatic Disorders
George Chrousos, MD, FAAP, MACE, MACP
- 3:15 CRF Signaling: Molecular Specificity for Drug Targeting in the CNS
Florian Holsboer, MD, PhD
- 3:45 Panel Discussion: Clinical Manifestations and Treatment
Chair: Esther Sternberg, MD
- 4:50 pm Closing Comments and Final Adjournment

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Cultural & Linguistic Competency

California Assembly Bill 1195 requires continuing medical education activities with patient care components to include curriculum in the subjects of cultural and linguistic competency. It is the intent of the bill, which went into effect on July 1, 2006, to encourage physicians and surgeons, CME providers in the state of California, and the Accreditation Council for Continuing Medical Education to meet the cultural and linguistic concerns of a diverse patient population through appropriate professional development. The planners, speakers and authors of this CME activity have been encouraged to address issues relevant in their topic area. In addition, a variety of resources are available that address cultural and linguistic competency, some of which are included in your syllabus or handout materials. Additional resources and information about AB1195 can be found on our website at <http://cme.ucsd.edu>.

Faculty Disclosure

The University of California, San Diego Continuing Medical Education (UCSD CME) requires that the content of CME activities and related materials provide balance, independence, objectivity, and scientific rigor. Planning must be free of the influence or control of a commercial entity, and promote improvements or quality in healthcare. Faculty participating in UCSD sponsored CME programs are expected to disclose to the activity participants any conflict(s) of interest that may have a direct bearing on the subject matter in their role as planners or presenters. This pertains to relationships with pharmaceutical companies, biomedical device manufacturers, or other corporations whose products or services are related to the course content. UCSD CME has the following mechanisms in place to resolve conflicts of interest 1) altering the financial relationship with the commercial interest, 2) altering the individual's control over CME content about the products or services of the commercial interest, and/or 3) validating the activity content through independent peer review. UCSD CME will resolve all conflicts of interest prior to an educational activity being delivered to learners. Participants will be asked to evaluate whether the speaker's outside interests reflect a possible bias in the planning or presentation of the activity. This information is used to plan future activities.



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Accommodations

San Diego Marriott Del Mar
11966 El Camino Real
San Diego, CA 92130
(858) 523-1700
<http://www.marriott.com>

The San Diego Marriott Del Mar is located in the wake of the beautiful California coastline, just minutes away from Del Mar's amazing beaches, popular area attractions and San Diego's bustling business community. The San Diego Marriott Del Mar is a mere 17 miles from the San Diego International Airport.

A limited block of rooms has been reserved at the special discount rate of \$155 for single or double occupancy. Discounted rates apply until the reservation deadline of May 19, 2008 or until all rooms in the group block have been reserved, whichever occurs first. Once the room block has been filled, discounted group rates may not be available. We encourage you to make your reservation early. Please identify yourself as a participant of the UCSD Glucocorticoids and Mood conference when making your reservations.

Parking

The San Diego Marriott Del Mar offers our group self parking for overnight guests at \$7 per day with 24 hour in/out privileges and valet parking at \$15 per day with 24 hour in/out privileges. Rates are subject to change without notice.

Discount Car Rentals

AVIS has been selected as the official car rental company for this meeting. Special discounted rates with unlimited mileage are available up to one week before and after the meeting dates. Three weeks advance booking is suggested as rates are subject to availability. Call (800) 331-1600 and refer to AVIS World Wide Discount number A128896 or www.avis.com to reserve your AVIS car.

For more information, contact:

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Continuing Medical Education
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Email: ocme@ucsd.edu

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NAME _____ TITLE/DEGREE _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____
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PLEASE INDICATE ANY SPECIAL NEEDS _____

Registration Fees	before 5/20/08	after 5/20/08
<input type="checkbox"/> Physicians/Industry	\$425	\$475
<input type="checkbox"/> Residents and Fellows	\$195	\$245

Make checks payable to **UC Regents** and mail to the address above. Checks must be in US dollars and drawn on a US bank.

If paying by credit card, please provide the information requested below:

Visa Mastercard American Express Discover

EXACT NAME ON CARD _____
CREDIT CARD NUMBER _____ EXPIRATION DATE _____
AUTHORIZING SIGNATURE _____

The full course tuition is refundable, less \$50 if your cancellation is received in writing, no later than May 30, 2008. No refunds will be given after May 30, 2008.

Mail registration form to: UCSD Continuing Medical Education
9500 Gilman Drive, MC0617, La Jolla, CA 92093-0617 • Or Fax to: (858) 534-7672