



ANTENATAL
CORTICOSTEROIDS
REVISITED
REPEAT COURSES

NIH Consensus Development Conference

PROGRAM



Office of the Director

National Institutes of Health

NIH Consensus Development Conference on

ANTENATAL
CORTICOSTEROIDS
REVISITED
REPEAT COURSES



August 17–18, 2000
Masur Auditorium
National Institutes of Health
Bethesda, Maryland

Sponsored by:

National Institute of Child Health and Human Development
NIH Office of Medical Applications of Research

Cosponsored by:

National Institute of Nursing Research
National Heart, Lung, and Blood Institute



National Institutes Of Health

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INTRODUCTION



Preterm delivery is a major cause of death and illness in infants. Corticosteroid treatment of pregnant women delivering prematurely was first introduced in 1972 to enhance fetal lung maturity. Subsequent research has focused on the ability of glucocorticoids to reduce mortality and brain injury in preterm neonates.

In 1994, the National Institutes of Health sponsored a Consensus Development Conference on the Effect of Corticosteroids for Fetal Maturation on Perinatal Outcomes to assess the effectiveness of antenatal glucocorticoid therapy. The consensus panel concluded, in part, that giving corticosteroids to pregnant women at risk for preterm delivery reduces the risk of death, respiratory distress syndrome, and intraventricular hemorrhage in their preterm infants.

The 1994 panel noted that optimal benefit of antenatal corticosteroid therapy lasts 7 days. The panel also noted that the potential benefits and risks of repeated administration of antenatal corticosteroids 7 days after the initial course are unknown and called for additional research on this issue.

The NIH is organizing this 1^{1/2} day conference to present research on repeat courses of antenatal corticosteroid therapy. After a day of presentations and audience discussion, an independent, non-Federal consensus development panel will weigh the scientific evidence and write a draft statement that will be presented to the audience on the second day. The panel's statement will address these questions:

- Is the evidence on benefits and risks of repeat courses of antenatal corticosteroids sufficient to permit consensus recommendations?

- If so, what are the recommendations?
- If not, what additional information should be obtained?

General Information

Conference sessions will be held in the Masur Auditorium of the Clinical Center (Building 10), National Institutes of Health, Bethesda, Maryland. Sessions will run from 8 a.m. to 3 p.m. on Thursday and from 8:30 a.m. to 12:30 p.m. on Friday. The telephone number for the message center is (301) 496-2520.

Cafeteria

The cafeteria in the Clinical Center is located one floor below the auditorium in the basement of the building. It is open from 7 a.m. to 2:30 p.m., serving breakfast and lunch.

Sponsors

The primary sponsors of this conference are the National Institute of Child Health and Human Development and the NIH Office of Medical Applications of Research. Additional sponsors are the National Institute of Nursing Research and the National Heart, Lung, and Blood Institute.

Statement of Interest

In accordance with ACCME requirements, each speaker presenting at this conference has been asked to submit documentation outlining all outside involvement pertaining to the subject area. Please refer to the chart in your participant packet for details.

AGENDA



THURSDAY, AUGUST 17, 2000

- 8:00 a.m. Opening Remarks and Acknowledgements
Duane Alexander, M.D., Director
National Institute of Child Health
and Human Development
- 8:10 a.m. Charge to the Panel
Barnett Kramer, M.D., M.P.H., Director
Office of Medical Applications of Research
- 8:20 a.m. Conference Overview
Larry C. Gilstrap III, M.D.
Emma Sue Hightower Chairman and Professor
Department of Obstetrics, Gynecology, and
Reproductive Sciences
University of Texas-Houston Medical School

I. Overview

- 8:25 a.m. Criteria for Evaluating the Quality of Evidence
John C. Sinclair, M.D., Professor
Department of Pediatrics
McMaster University Medical Center
- 8:40 a.m. Pharmacology of Corticosteroids
Robert M. Ward, M.D., FAAP, F.C.P., Professor
Department of Pediatrics
University of Utah School of Medicine

- 8:55 a.m. Glucocorticoids and Normal Development
James F. Padbury, M.D., Professor and Vice Chairman
Department of Pediatrics
Brown University School of Medicine
Pediatrician-in-Chief
Women and Infants Hospital of Rhode Island
- 9:10 a.m. History of Repeat Courses and Patterns of Current Use
in the United States, the United Kingdom, and Australia
Michael Socol, M.D., Professor
Section of Maternal-Fetal Medicine
Department of Obstetrics and Gynecology
Northwestern University Medical School

II. Preclinical Studies

- 9:30 a.m. Review of Effects of Repeat Courses of Antenatal
Steroids in Animal Models
Alan Jobe, M.D., Ph.D., Professor of Pediatrics
Children's Hospital Medical Center of Cincinnati

III. Clinical Evidence

- 10:00 a.m. Multicenter Randomized Controlled Trial on Repeat Courses
Deborah Guinn, M.D., Assistant Professor
Department of Obstetrics and Gynecology
University of Colorado Health Sciences Center
- 10:15 a.m. Data on Repeat Courses of Antenatal Steroids
From the TRH Trial
Beverly Banks, M.D., Ph.D., Neonatologist
Division of Neonatology
Children's Hospital of Philadelphia
- 10:30 a.m. Discussion

- 11:00 a.m. Long-Term Outcome After Repeat Courses:
French et al. Study
Noel French, MBChB, FRACP, Head of Neonatal Followup
King Edward Memorial Hospital, Australia
- 11:15 a.m. Long-Term Outcome After Repeat Courses:
Esplin et al. Study
M. Sean Esplin, M.D., Instructor
Division of Maternal-Fetal Medicine
Department of Obstetrics and Gynecology
University of Utah Health Sciences Center
- 11:30 a.m. Discussion
- 12:00 p.m. Lunch
- 1:00 p.m. Short-Term Outcome After Repeat Courses
James R. Scott, M.D., Professor
Department of Obstetrics and Gynecology
University of Utah Health Sciences Center
- 1:20 p.m. Review of Repeat Courses in Patients With Special
Circumstances and Populations
Brian Mercer, M.D., Director, Maternal-Fetal Medicine
Department of Obstetrics and Gynecology
MetroHealth Medical Center
- 1:40 p.m. Review of Design of Ongoing Trials in the United States,
the United Kingdom, Australia, and Canada
Ronald J. Wapner, M.D., Director
Division of Maternal-Fetal Medicine
Thomas Jefferson University Hospital
- 2:00 p.m. Discussion
- 2:30 p.m. Comments from Organizations
- 3:00 p.m. Adjournment (Panel Executive Session)

FRIDAY, AUGUST 18, 2000

8:30 a.m. Presentation of Consensus Statement

Larry C. Gilstrap III, M.D.

Emma Sue Hightower Chairman and Professor

Department of Obstetrics, Gynecology, and

Reproductive Sciences

University of Texas-Houston Medical School

8:50 a.m. Discussion

10:00 a.m. Panel Meets in Executive Session

11:30 a.m. Press Conference

12:30 a.m. Adjournment

PANEL MEMBERS



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