International Symposium: The Hypophyseal Growth Hormone, Nature and Actions

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International Symposium
THE HYPOPHYSEAL GROWTH HORMONE,
NATURE AND ACTIONS

October 27, 28, 29, 1954

The professional staff of the Henry Ford Hospital with the initial advice and support of The Board of Trustees and Dr. Robin C. Buerki, Executive Director, of the Henry Ford Hospital, is sponsoring an international symposium on the subject The Hypophyseal Growth Hormone, Nature and Actions. This symposium will be held at the Henry Ford Hospital, October 27, 28, and 29, 1954, in the new auditorium. The preliminary program follows and has been prepared with the help of the advisory members.

Advisory Members:

Edwin E. Hays    Director of Research, Armour and Company, Chicago
Choh Hao Li      Professor of Biochemistry, University of California, Berkeley
C. N. H. Long    Sterling Professor of Physiology, Yale University School of Medicine, New Haven
Ephraim Shorr    Associate Professor of Medicine, Cornell University Medical College, New York

Local Members:

Richmond W. Smith, Chairman
Oliver H. Gaebler, Vice-Chairman
C. Paul Hodgkinson
Joseph A. Johnston
Paul D. Bartlett
Preliminary Program

1st Morning Session

Bioassay, Preparation and Physicochemical Properties of Growth Hormone

What is Growth?
Methods of Detection and Assay of Growth Hormone
Factors Influencing the Tibia Test
Comparative Biochemistry of the Hormone from Ox, Sheep, Pig, Horse and Fish Pituitaries
Somatotropin (Ox) as a Protein

1st Afternoon Session

Effects of Growth Hormone on Certain Structures

Growth Hormone and the Digestive System
Effect of Somatotrophin Hormone (STH) Upon Inflammation
The Effect of Hormones on Differentiated Tissues in Culture
Effect of Growth Hormone on the Skeletal System
Growth Hormone and Renal Function

1st Evening Session

Reminiscences in the Field of Growth Hormone Investigation

2nd Morning Session

Growth Hormone and Energy Sources

Importance of the Nutritional State to the Biological Function of Growth Hormone
Growth Hormone and Nitrogen Retention
Effects of Growth Hormone on the Metabolism of Amino Acids
The Role of Insulin in Nitrogen Retention
Effect of Growth Hormone on Liver Proteins and Nucleic Acids
2nd Afternoon Session

Growth Hormone and Energy Sources

Diabetogenic Actions of Growth Hormone
Relation of Diabetogenic and Fat Mobilizing Actions of Pituitary Preparations to Growth Hormone
Relationship of the Adrenal Cortex to the Diabetogenic Action of Growth Hormone
Growth Hormone and Fat Metabolism
Factors Involved in the Ketogenic Action of Growth Hormone

2nd Evening Session

Patterns of Growth in Human Organisms

3rd Morning Session

Growth Hormone and Cellular Systems

Effect of Pituitary Hormones on Isolated Tissue Metabolism
Effect of Growth Hormone on Transaminases and Other Enzyme Systems
Antagonism in vitro Between Insulin and Pituitary Hormones
The Influence of Growth Hormone on Blood Insulin and Glucagon Activity
The Influence of Growth Hormone and Other Factors on the Islets of Langerhans and the Pancreas

3rd Afternoon Session

Effects of Growth Hormone and Other Hormones on Mammary Gland Structure and Function

Metabolic Effects of Growth Hormone in Human Subjects

General Remarks Concerning Growth Hormone
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