

EUROPEAN ASSOCIATION
FOR THE STUDY OF
DIABETES

ASSOCIATION EUROPÉENNE
POUR L'ÉTUDE
DU DIABÈTE

EUROPÄISCHE
GESELLSCHAFT FÜR
DIABETOLOGIE

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The administrative offices of the Association are located with the
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VII. Karlsburg Symposium on Problems of Diabetes, September 29 to October 1, 1971

Organized by the "Sektion Diabetes in der Gesellschaft für Endokrinologie und Stoffwechselkrankheiten der DDR" and the "Zentralinstitut für Diabetes Gerhardt Katsch", Karlsburg, Kreis Greifswald/German Democratic Republic, an international meeting on "*Insulin-Biosynthesis and Secretion*" took place. The symposium was visited by 79 participants from the GDR and 33 guests from Austria, Belgium, Bulgaria, Cuba, GFR, Hungary, Poland, Sweden, Switzerland, Czechoslovakia and UdSSR.

In addition to 162 Discussions and a Panel (Diabetes Mellitus - A Disorder of Insulin-Biosynthesis and/or Secretion?) the following Lectures and Short Communications were read:

Baranow, W.G., Leningrad/UdSSR: Importance of insulin deficiency in the development of diabetes and its complications.	immunoreactive insulin response, blood glucose and lipid patterns after standardized glucose and tolbutamide loads in healthy subjects, and diabetic or adipose patients.
Bibergeil, H., Karlsburg/GDR: Katsch-Mohnike-Memorial Lecture. Fifty years insulin - the past and future.	Blech, W., Bierwolf, B., Halle/GDR: Influences on insulin secretion of an isolated perfused rat pancreas preparation.
Fiedler, H., Karlsburg/GDR: Biosynthesis of insulin.	Bruns, W., Knospe, S., Michael, R., Rjasanowski, I., Wulfert, P., Karlsburg/GDR: Studies on glucose tolerance and plasma insulin patterns in hyperlipoproteinemic patients during clofibrate treatment.
Hellman, B., Umeå/Sweden: Metabolism of B-cells.	Federlin, K., Pfeiffer, E.F., Ulm/GFR: Immunological aspects in diabetes mellitus.
Klostermeyer, H.: Aachen/GFR: Chemical synthesis of insulin.	Fischer, U., Hommel, H., Karlsburg/GDR: Failure of the biphasic or polyphasic phenomenon of insulin release after oral glucose in spontaneously diabetic dogs.
Krall, L.P.: Boston/USA: Problems in diabetes fifty years after insulin.	Fövényi, J., Góth, E., Arky, I., Hajós, P. Budapest/Hungary: Hyper- and hyporeactive insulin secretion: Patterns of blood glucose, free fatty acids and immunoreactive insulin.
Malaise, W.: Brussels/Belgium: Regulation of normal insulin secretion - extracellular influence.	Grünklee, D., Hann, K.-A., Reinwein, D., Liebermeister,
Pfeiffer, E.F., Ulm/GFR: Patterns of insulin secretion in man: Spontaneously manifest and proto-diabetic disturbance of metabolism.	
Renold, A.E., Geneva/Switzerland: Insulin secretion in spontaneously diabetic animals.	
Bartoš, V., Višek, V., Krombholzová, L., Musil, J., Kimlová, I., Prokopec, J., Praga/Czechoslovakia: On the	

- A., Daweke, H., Düsseldorf/GFR: Patterns of immunoreactive insulin and "insulin like activity" after glucose loads in hyperthyroidosis and myxedema.
- Hahn, H.-J., Ziegler, B., Butter, R., Ziegler, M., Fiedler, H., Karlsburg/GDR: Insulin secretion of isolated islets of Langerhans of the rat during different metabolic stimulations in vitro.
- Haller, H., Leonhardt, W., Michaelis, D., Zschornack, M., Hanefeld, M., Dresden and Karlsburg/GDR: Influence upon fat cell volume and parameters of carbohydrate and fat metabolism of a weight reduction diet regimen in diabetic and non-diabetic adipose subjects.
- Hinz, M., Schatz, H., Katsilambros, N., Maier, V., Pfeifer, E.F., Ulm/GFR: The influence upon insulin biosynthesis of an inhibition of insulin secretion. — Studies on isolated islets of Langerhans.
- Hommel, H., Fischer, U., Karlsburg/GDR: On the reflex physiology of the endocrine pancreas in the dog.
- Izmirov, I., Galabova, R., Petkov, P., Sofia/Bulgaria. Isoenzymes of some oxido-reductases in the endocrine pancreas of guinea pig.
- Kohnert, K.-D., Knospe, S., Ziegler, M., Zühlke, H., Karlsburg/GDR: Studies on insulin-like proteins in beef insulin and in human pancreas.
- Lawecki, J., Ceremuzynski, L., Kuch, K., Rogala, H., Markiewicz, M., Warsaw/Poland: Patterns of serum insulin and epinephrine, norepinephrine and glucose in blood in patients suffering from different stages of myocardial infarction.
- Menzel, R., Fischer, U., Fuchs, U., Jutzi, E., Michael, R., Karlsburg and Leipzig/GDR: Studies on insulin secretion and insulin sensitivity in previously insulin adapted dogs.
- Menzel, R., Michaelis, D., Neumann, I., Ziegler, M., Wulfert, P., Karlsburg/GDR: Glucose tolerance and patterns of plasma immunoreactive insulin, growth hormone, and 11-OH-Corticosteroids after glucose-arginine infusions in insulin-dependent and non insulin-dependent diabetic subjects.
- Michael, D., Jutzi, E., Schulz, B., Hildmann, W., Michael, R., Bibergeil, H., Karlsburg/GDR: Disturbance of the glucose-induced biphasic insulin secretion: A criterion for diagnosis of early stages of diabetes premellitus.
- Neumann, I., Michaelis, D., Schneider, H., Hanefeld, M., Leonhardt, W., Karlsburg and Dresden/GDR: Influence upon insulin secretion patterns and carbohydrate tolerance of body weight reduction in adiposity.
- Orosz, L., Fischer, U., Hommel, H., Fiedler, H., Debrecen/Hungary and Karlsburg/GDR: Inhibition of insulin secretion by heparin.
- Panten, U., Göttingen/GFR: Action of leucine and its metabolites upon insulin secretion and metabolism of isolated pancreatic islets.
- Páv, J., Praga/Czechoslovakia: Influence of endogenous and exogenous hyperinsulinism upon insulin secretion and blood glucose utilization.
- Petkov, P., Ponev, St., Sofia/Bulgaria: A new hypothesis of B cell secretion in the endocrine pancreas.
- Schatz, H., Hinz, M., Maier, V., Katsilambros, N., Pfeifer, E.F., Ulm/GFR: Influencing insulin biosynthesis and secretion in the isolated Langerhans islet model.
- Schulz, B., Michaelis, D., Neumann, I., Menzel, R., Jutzi, E., Michael, R., Hildmann, W., Karlsburg/GDR: Relations between insulin secretion and changes of carbohydrate and fat metabolism during a two hour glucose infusion in adiposity.
- Tamás, G., Budapest/Hungary: Factors influencing secretion and insulin action.
- Ulrich, E., Seige, K., Schneyer, U., Kujat, G., Tittmann, H., Frank, I., Haedecke, J., Halle/GDR: Insulin secretion before and after reduction of body weight in different kinds of adiposity.
- Ziegler, M., Hahn, H.-J., Karlsburg/GDR: Stimulation by purified isolated insulin antibodies of insulin secretion in vitro.
- Zühlke, H., Karlsburg/GDR: Problems concerning pro-insulin and insulin cleavage and breakdown.
- All papers and the summaries of the discussions will be published. The next Karlsburg Symposium (on Problems of Early Diabetes) is planned in spring, 1974.

New York Medical College

Diabetes Center

II. International Diabetes Symposium, Vascular and Neurological Changes in Early Diabetes, November 30 — December 4, 1971. Curacao, N.A.*

Organizing committee: Rafael A. Camerini-Dávalos, Stefan S. Fajans, Rachmiel Levine, Knud Lundbaek.

9:45—10:00 K. Johansen
10:00—10:30 Discussion
10:30—10:45 Intermission

First day — December 1st — Wednesday

MACROANGIOPATHY

Session I

Chairman: R.H. Williams

A. Prevalence in asymptomatic diabetes

1. Detection in middle age
9:00—9:15 H. Keen
9:15—9:30 K.J. Kingsbury

2. Detection in young people
9:30—9:45 S.S. Fajans

Session II

Chairman: Albert I. Winegrad

B. Biochemical and hormonal abnormalities

1. Insulin-stimulated lipogenesis in arterial wall in diabetes.
10:45—10:55 R.W. Stout

2. Biochemical reactions of the arterial wall in diabetes
10:55—11:10 R. Mahler

3. Synthesis of lipids from glucose in the arterial wall
11:10—11:25 R. Fraser

11:25—11:40 Discussion

4. Serum lipids
11:40—11:55 E.L. Bierman

* Because of the importance of this symposium as an exception the editorial office has consented to publication of the scientific program.