Abandon the present classification of type 1 and type 2 diabetes

## Cees J. Tack, MD

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### Two types of diabetes:

## Harry Himsworth 1936

Insulin-sensitive and Insulin-insensitive diabetes



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Constitution and insulin sensitivity in diabetes mellitus

John Lister, John Nash and Una Ledingham

British Medical Journal 1951; I: 376

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# Classification of diabetes

"It has been traditional to classify diabetes into juvenile- and maturity-onset types. Such a classification is probably acceptable as a kind of clinical shorthand as long as it is recognized that the descriptions are generalizations and that overlap syndromes occur."

Harrison's "Principles of Internal medicine",  $9^{\rm th}$  ed, 1979

#### "There are two broad groups of diabetics – the young thin, non-arteriosclerotic group with normal blood pressure and usually an acute onset to the disease, and the older, obese, arteriosclerotic group with hypertension and usually an insidious onset ... these types we have provisionally designated <u>type I and type II</u>, respectively"

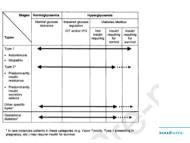
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# **Reason for new classification**

- The 1980 WHO classification was based on therapy (IDDM vs NIDDM)
- The 1997 ADA classification opted for insulin secretion = functional basis on the therapeutic classification

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Figure 1: Disorders of glycaemia: aetiological types and clinical st (WHO, 1999)





A

8. Colon/b

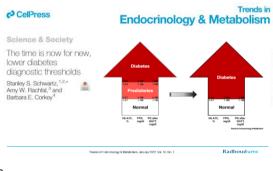


Diabetes Care Volume 39, February 2016

The Time Is Right for a New Classification System for Diabetes: Rationale and Implications of the β-Cell–Centric Classification



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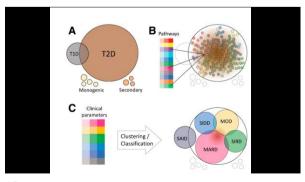




Insulin

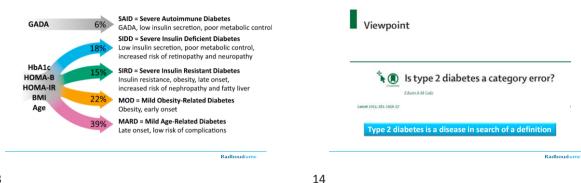
HYPERGLYCEMIA

11. Kidney T



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Height: a dimensional variable Courtensy: Edwin Gale

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- Ethnic difference
- Genetic syndromes
- Developmental Birth weight
- Nutrition
- Intrauterine disease
- Environmental Social class • Nutrition, illness Function Basketball
- Prognosis Longevity







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Courtensy: Edwin Gale

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Journal Pre-proofs

REPRINT OF: CLASSIFICATION OF DIABETES MELLITUS

S0168-8227(21)00331-4 https://doi.org/10.1016/j.diabres.2021.108972 DIAB 108972

Diabetes Research and Clinical Practice



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Unlike the previous classification, this classification does not recognize subtypes of type 1 diabetes and type 2 diabetes and includes new types of diabetes ("hybrid types of diabetes" and "unclassified diabetes").

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PIL DOI: Reference: To appear in:

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**DON'T THROW AWAY YOUR OLD SHOES** THROW UNTIL YOU HAVE NEW ONES. Proverb

Gooi je oude schoenen weg vóórdat je nieuwe hebt!!

Your control where the

Zolang je je blijft vasthouden aan het oude, is er geen ruimte voor iets nieuws. Radboudume

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Abandon the present classification of type 1 and type 2 diabetes!

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