Manuela Stoicescu, Drug Des 2018, Volume 7
DOI: 10.4172/2169-0138-C1-022



## The response to the administration of insulin is personalized - genetic determined

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The main objective of this presentation is to attract attention that the response to the administration of insulin is personalized – genetic determined.

One of the most difficult problems in the medical practice is to establish the required of the insulin at a patient who need insulin therapy, indifferent that this is a young patient with type 1 insulin-depended diabetes mellitus or a patient with type 2 diabetes mellitus who in one moment need insulin administration – insulin necessitate. Theoretically appear simple in the first instance, because we have a standard protocol to calculate the necessary of insulin like 0,3 UI insulin/kg body and after that to devised the doses depend what type of scheme we want to start: an intensification scheme in four or three administrations per days fast insulin and one Lantus insulin at 21 a clock - more physiologically or an conventional scheme in two prizes of NPH insulin in the morning and afternoon and the doses depend the body mass of a person. But, practical experience showed that after scheme of insulin was started, the patient must to be very carefully monitories and supervise to adjust the doses of insulin in compliance with the glycemic profile of the patient, We can't appreciate exactly how much follow to decrease the level of glycemia after was administrated the same quantity (units of insulin) at the same patient with the same body mass and the same level of glycemia. The response is different, but we expect to be the same. I believe with strong opinion that only in moment when we will know the genome of the patient (the genetic profile), to can calculate the genetic necessary of insulin of every person we can establish the truth and will be avoid so many dangerous hypoglycemic accidents in present. The future will be to can determine the genetic necessary of the insulin administration of every person, after we will know the genome of the person. With this method we will have possibility to can avoid many dangerous hypoglycemic accidents happened in present.

### Biography

Manuela Stoicescu is a Consultant Internal Medicine Physician. She has received her PhD in Internal Medicine and currently, She is an Assistant Professor of University of Oradea, Faculty of Medicine and Pharmacy, Medical Disciplines Department, Romania. She was invited as a speaker at more than 30 international conferences is USA, China, Japan, Canada, Thailand, Dubai, Spain, Germany, etc. She is an Editorial Board Member in two ISSN prestigious journals in USA. She has published more than 20 articles in prestigious ISSN journals in USA, published five books: Two books for students, two books on Amazon at International Editor-LAP Lambert Publishing Academic House in Germany, one monograph and two book chapters.

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