About OMICS Group

OMICS Group International is an amalgamation of Open Access publications and worldwide international science conferences and events. Established in the year 2007 with the sole aim of making the information on Sciences and technology 'Open Access', OMICS Group publishes 400 online open access scholarly journals in all aspects of Science, Engineering, Management and Technology journals. OMICS Group has been instrumental in taking the knowledge on Science & technology to the doorsteps of ordinary men and women. Research Scholars, Students, Libraries, Educational Institutions, Research centers and the industry are main stakeholders that benefitted greatly from this knowledge dissemination. OMICS Group also organizes 300 International conferences annually across the globe, where knowledge transfer takes place through debates, round table discussions, poster presentations, workshops, symposia and exhibitions.

About OMICS Group Conferences

OMICS Group International is a pioneer and leading science event organizer, which publishes around 400 open access journals and conducts over 300 Medical, Clinical, Engineering, Life Sciences, Phrama scientific conferences all over the globe annually with the support of more than 1000 scientific associations and 30,000 editorial board members and 3.5 million followers to its credit.

OMICS Group has organized 500 conferences, workshops and national symposiums across the major cities including San Francisco, Las Vegas, San Antonio, Omaha, Orlando, Raleigh, Santa Clara, Chicago, Philadelphia, Baltimore, United Kingdom, Valencia, Dubai, Beijing, Hyderabad, Bengaluru and Mumbai.

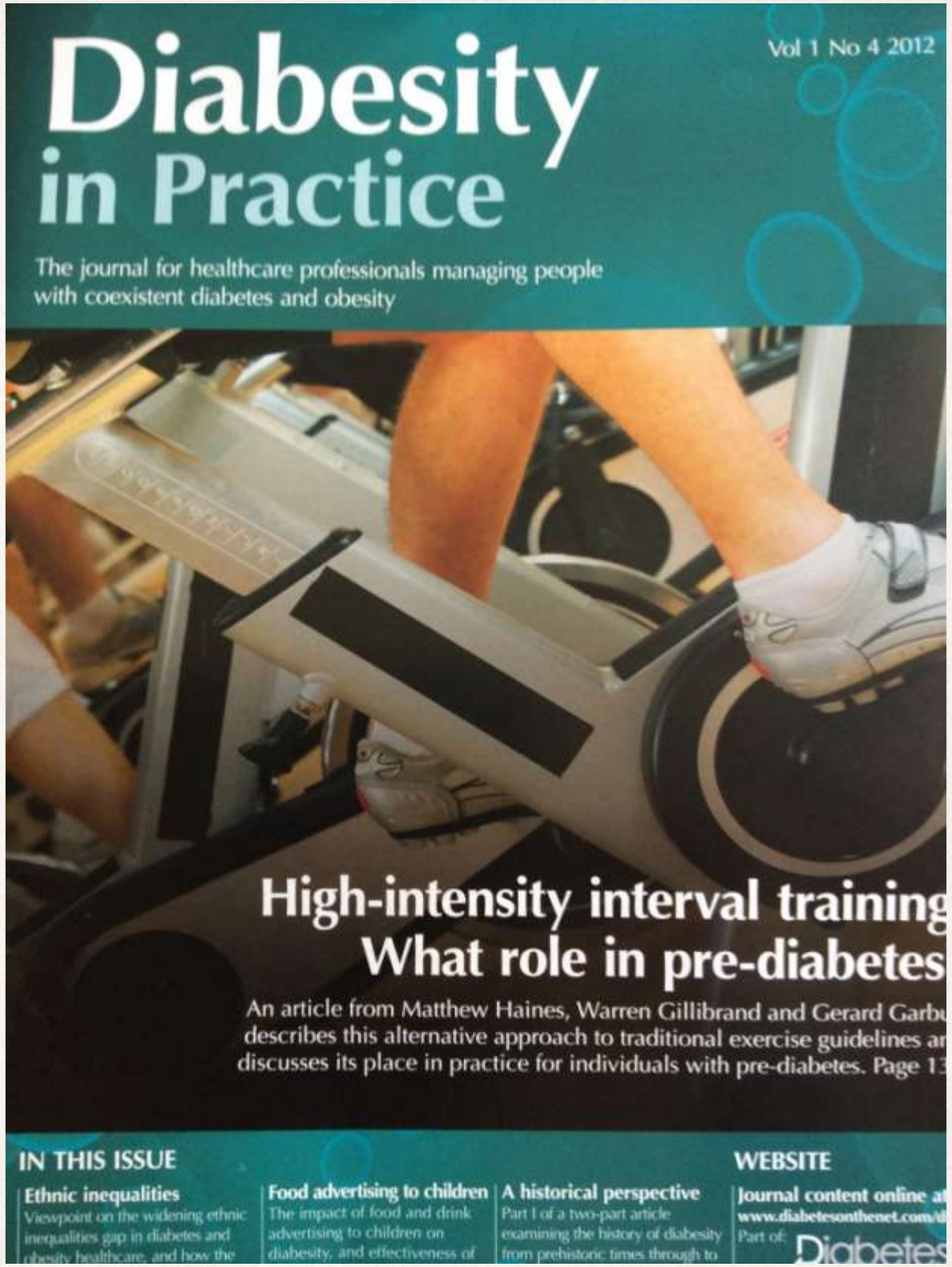
Obesity- and metabolic syndrome-related biomarkers as predictors of development and progression of type 2 diabetes

K.V. Ovsyannikov

A.I.Evdokimov Moscow State Medical & Dental University, Russia

Дата

Diabesity

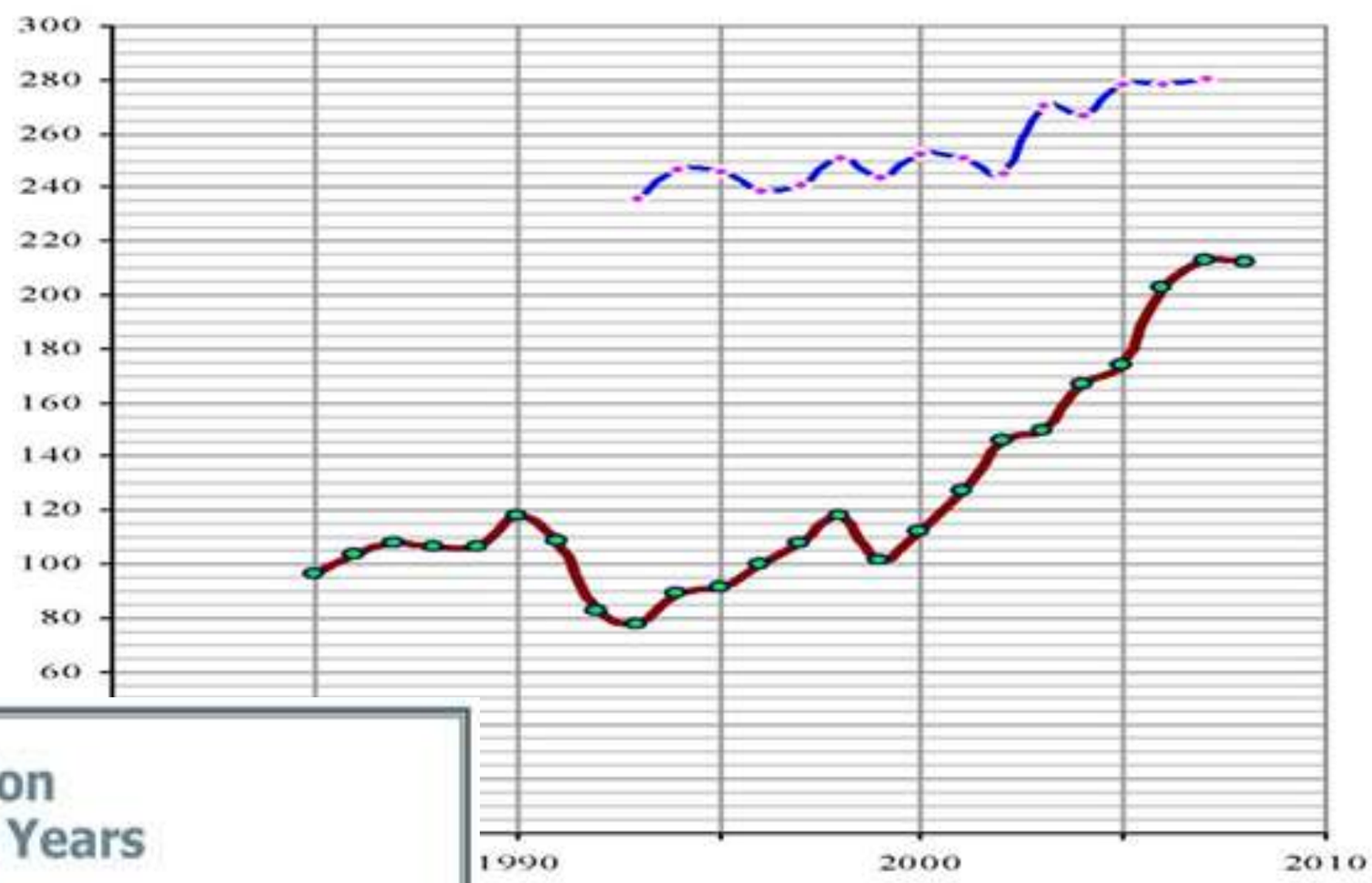

Diabesity
in Practice
Vol 1 No 4 2012
The journal for healthcare professionals managing people with coexistent diabetes and obesity
High-intensity interval training
What role in pre-diabetes
An article from Matthew Haines, Warren Gillibrand and Gerard Garbu
describes this alternative approach to traditional exercise guidelines a
discusses its place in practice for individuals with pre-diabetes. Page 1
IN THIS ISSUE
Ethnic inequalities
Viewpoint on the widening ethnic inequalities gap in diabetes and
Food advertising to children
The impact of food and drink advertising to children on diabesity, and effectiveness of
A historical perspective
Part I of a two-part article examining the history of diabesity from prehistoric times through to
WEBSITE
Journal content online a
www.diabetesonthenet.com/
Part of:
Diabetes

"Apple" vs. "Pear"
Above the waist
Below the waist
A.D.A.M.

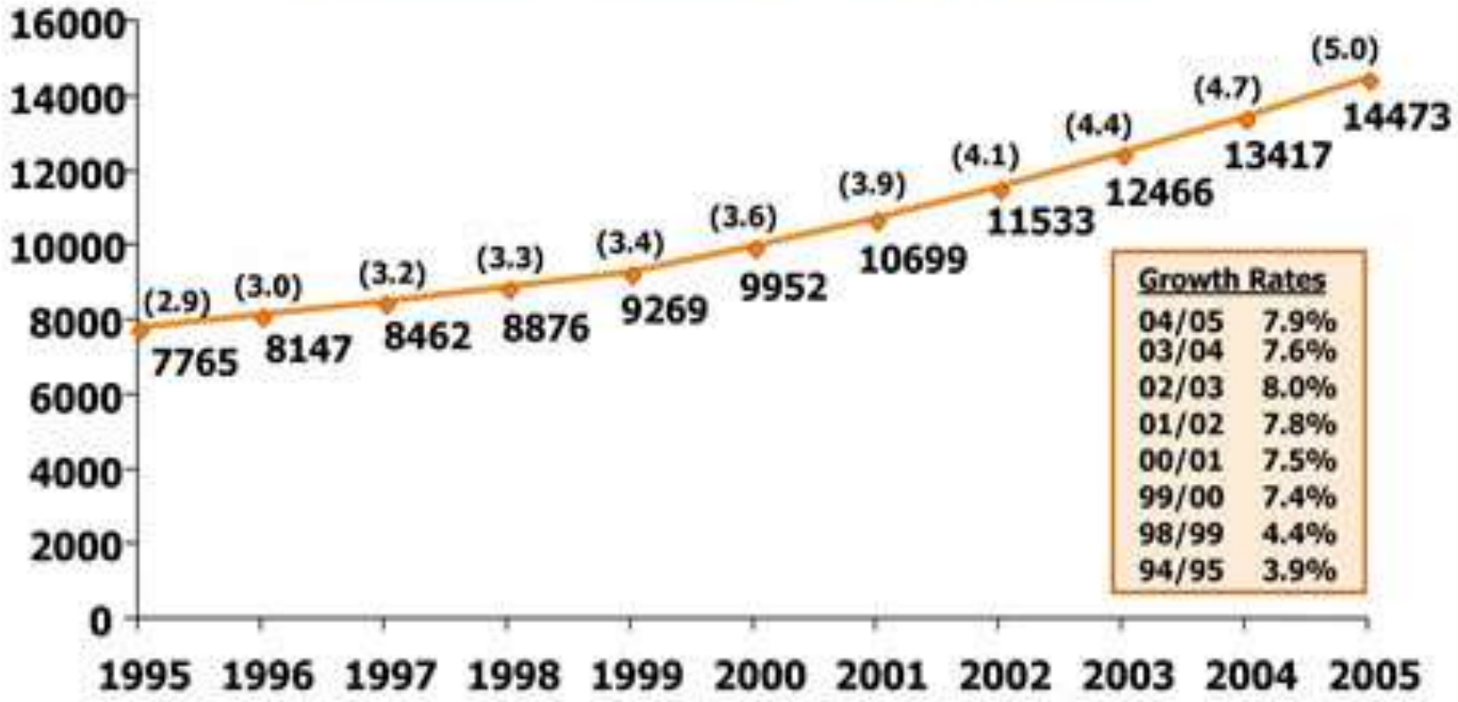
The DM type 2 epidemic is happening now and the situation is getting worse day by day

58 378 222
DM patients in Europe in 2010

98 637 900
DM patients in Europe by 2020



The Diabetes Population Has Increased 86% in 10 Years



Growth Rates	
04/05	7.9%
03/04	7.6%
02/03	8.0%
01/02	7.8%
00/01	7.5%
99/00	7.4%
98/99	4.4%
94/95	3.9%

* Individual prevalence of diabetes calculated by dividing diabetes population by total U.S. civilian non-institutionalized population (291,215,068).

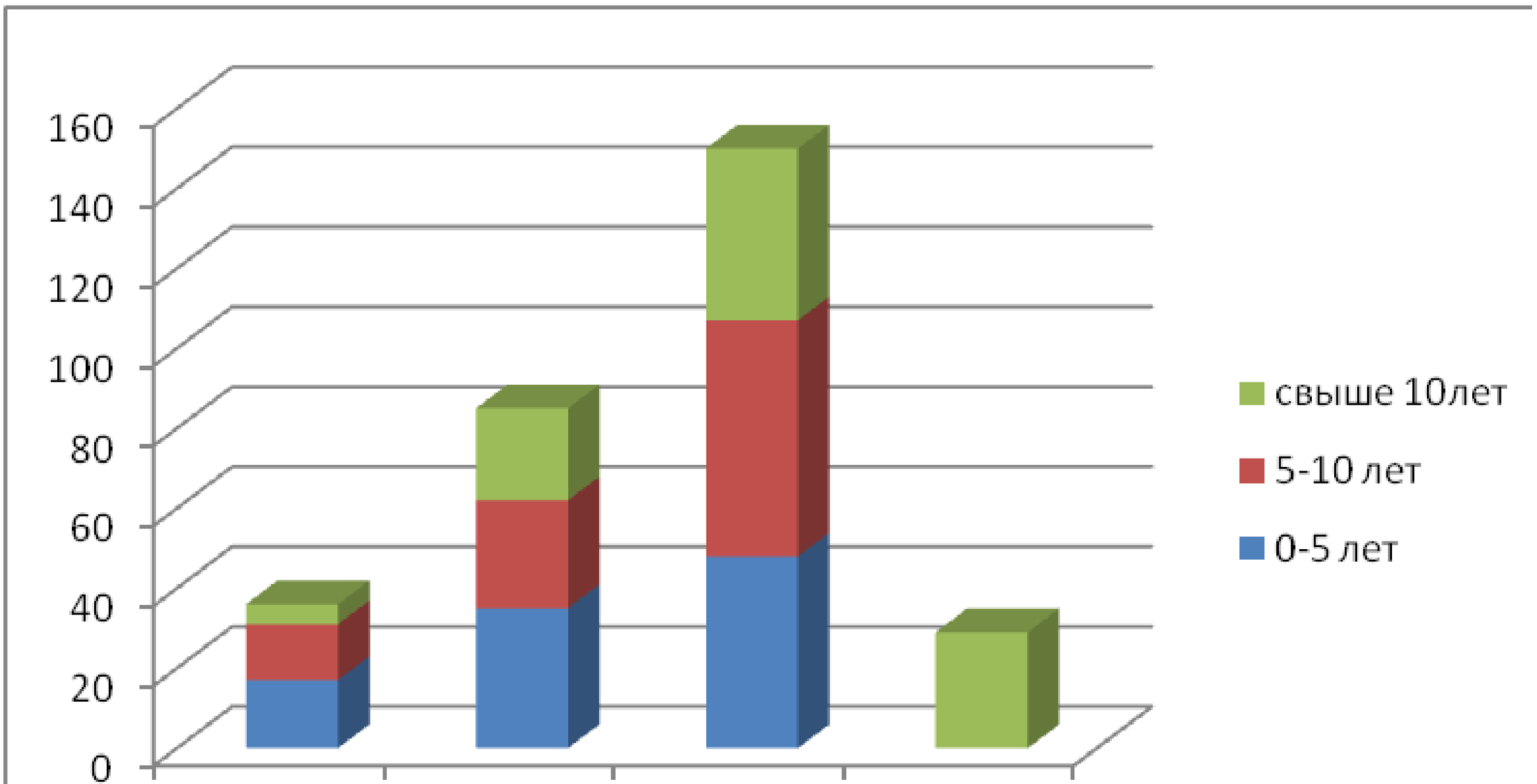
Projected diabetes households = 12,774,000

Household prevalence of diabetes = 11.5% (12,774,000 diabetes households ÷ 112,991,446 total U.S. households)

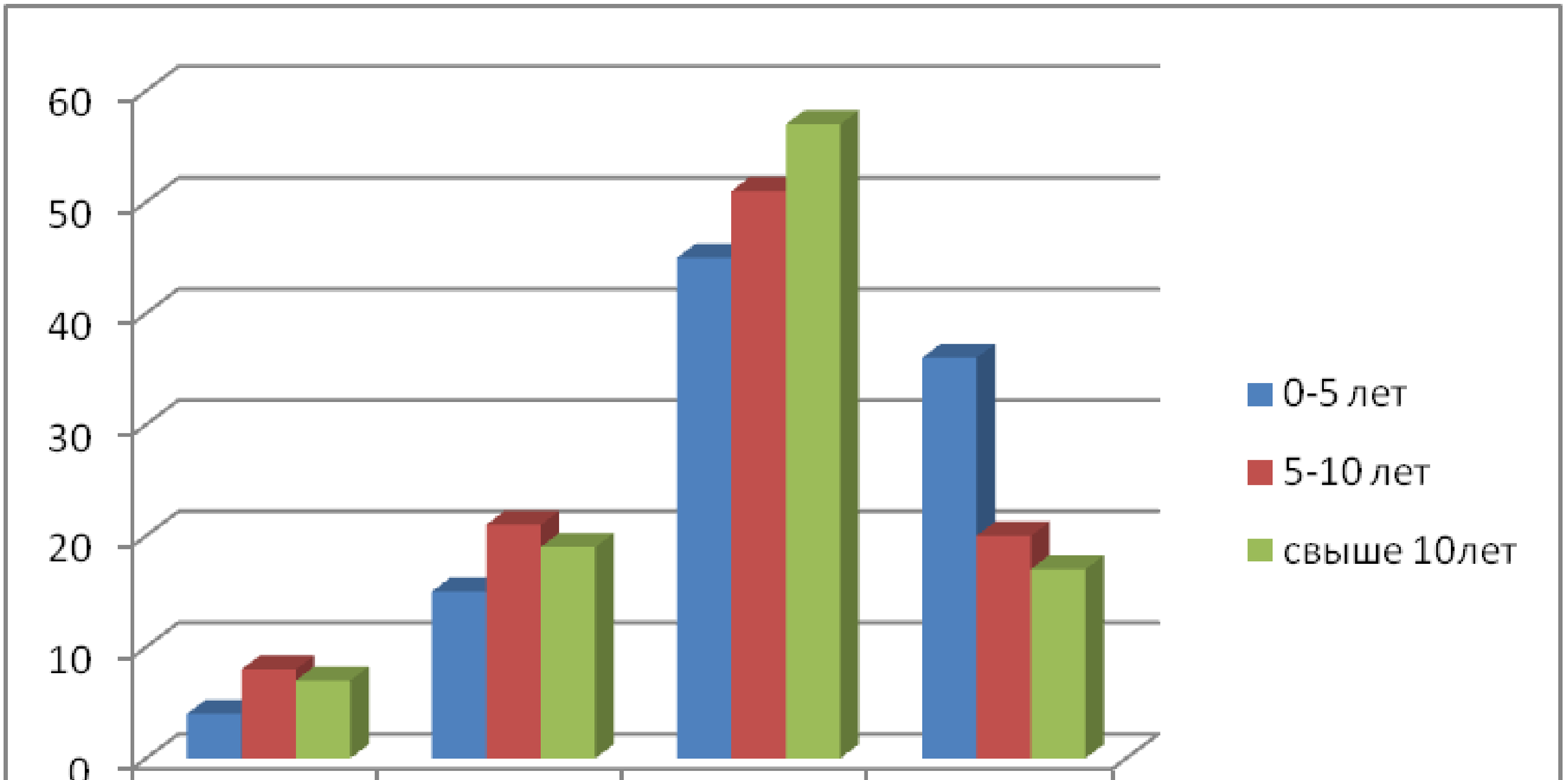
Our future?

Taxes!!!

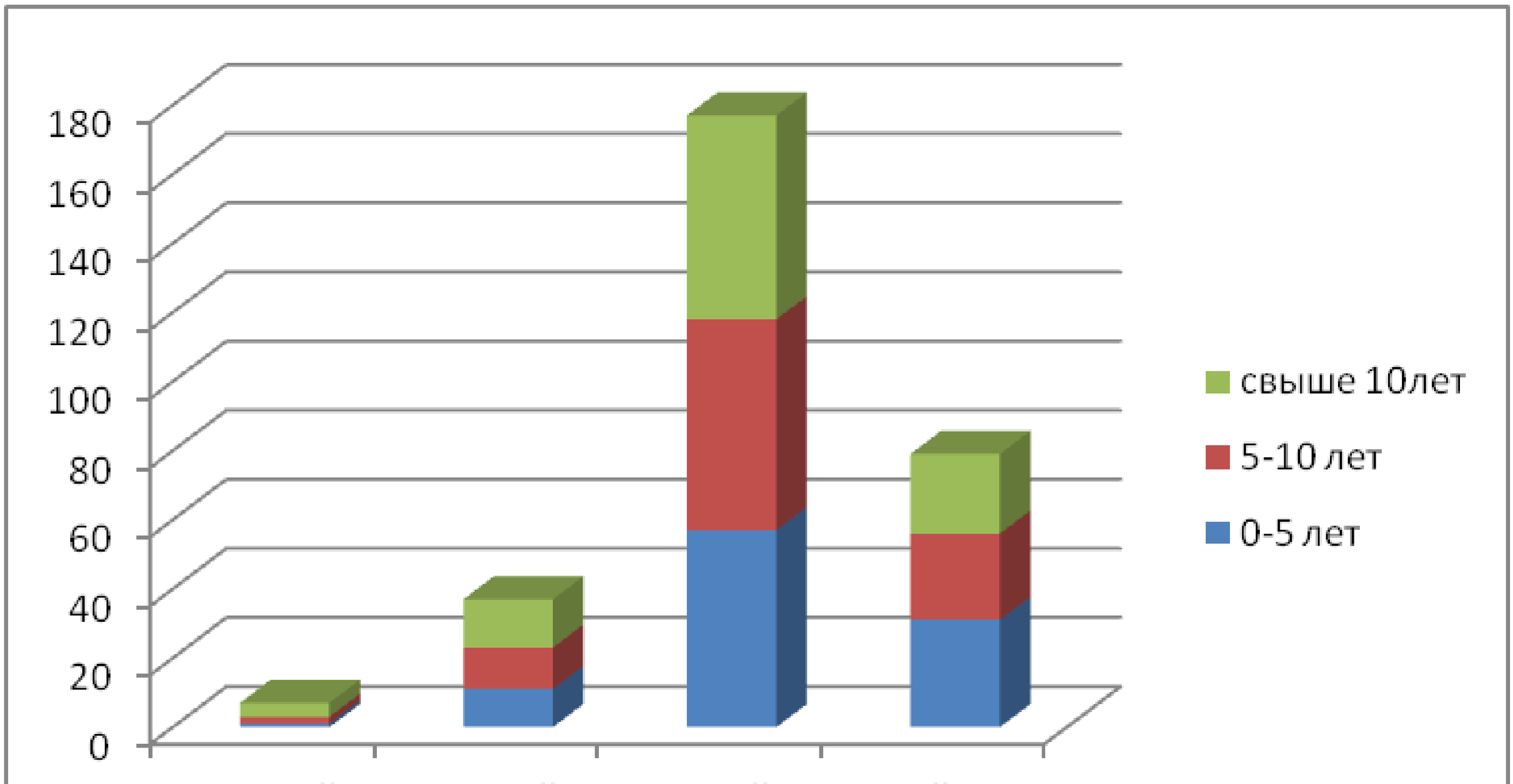
The average levels of the motivation component in the professional actions studied in primary care doctors (in depending of the durings medical work)



The average levels of the cognitive component in the professional actions studed in primary care doctors (in depending of the durings medical work)



The average levels of the motivation component in the professional actions studed in primary care doctors (in depending of the durings medical work)



COCA-COLONIZATION
Coca cola as a culture

McEurope
Unity through diversity
NEXT NATURE
McAmerica
McAsia
McAfrica
McAustralia
McWorld
Experience the local specialties
From food-urban McDonald's is often seen as an exemplary example of the globalization processes that flatten the world and make things look, feel and taste the same everywhere. Why travel when cities have the same food, coffee and fashion chains? Increasingly, however, McDonald's offers local specialties. Have a Shrimp Burger in Greece, Teriyaki McBurger in Japan, McKroket in the Netherlands or a Nürnburger in Germany. The dishes show traces of traditional regional cuisines, allowing McBackpackers to get a taste of the world while keeping a safe level of comfort and recognition. Unfortunately, without a franchise, some places (most of Africa, Mongolia, Cuba and North Korea) won't be able to cater to fast food epicures.

P4 MEDICINE
PERSONALIZED
PREDICTIVE
PREVENTIVE
PARTICIPATORY

- Total adiponectin
High-molecular-weight adiponectin
Leptin
γ-Glutamyl transferase (GGT)
Alanine aminotransferase
Fetuin A
Ferritin

C-reactive protein

Intercellular adhesion molecule 1 (ICAM-1)

Orosomucoid

Sialic acid

Interleukin-6

Interleukin-18
Complement C3
Asymmetric dimethylarginine (ADMA)
Retinol binding protein 4 (RBP-4)
Free fatty acids
Oxidized LDL
Lactate

American Diabetes Association. Diabetes Care

Novel Risk Factors and the Prediction of Type 2 Diabetes in the Atherosclerosis Risk in Communities (ARIC) Study

L.A. Raynor, PHD[1], James S. Pankow, PHD[2], Bruce B. Duncan, MD, PHD[3,4], Maria I. Schmidt, MD, PHD[3,4], Ron C. Hoogeveen, PHD[5], Mark A. Pereira, PHD[2], J. Hunter Young, MD[6,7] and Christie M. Ballantyne, MD[5]

Author Affiliations

Corresponding author: L.A. Raynor, raynoo07@umn.edu.

Abstract

OBJECTIVE The objective of this study was to determine potential added value of novel risk factors in predicting the development of type 2 diabetes beyond that provided by standard clinical risk factors.

RESEARCH DESIGN AND METHODS The Atherosclerosis Risk in Communities (ARIC) Study is a population-based prospective cohort study in

Metabolic syndrome: a comprehensive perspective based on interactions between obesity, diabetes, and inflammation.

Paresh Dandona MD, PhD

Dandona P[1], Aljada A, Chaudhuri A, Mohanty P, Garg R.

Circulation. 2005 Mar 22;111(11):1448-54.

Evaluation of food-based dietary guidelines of Germany concerning their potential of chronic disease prevention with suggestions for improvement: Results from the EPIC-Potsdam study

vorgelegt von
Diplom-Ernährungswissenschaftlerin,
Master of Public Health
Anne von Rüsten

von der Fakultät VII – Wirtschaft und Management der Technischen Universität Berlin
zur Erlangung des akademischen Grades
Doktorin der Gesundheitswissenschaften / Public Health
- Dr. P.H. -

genehmigte Dissertation

Promotionsausschuss:
Vorsitzende: Prof. Dr. Jacqueline Müller-Nordhorn
Gutachter: Prof. Dr. Heiner Boeing
Gutachter: Prof. Dr. Reinhard Busse

Tag der wissenschaftlichen Aussprache: 18. Juni 2012

Berlin 2012
D 83

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IMMUNOLOGY

MINI REVIEW ARTICLE
published: 30 December 2013
doi: 10.3389/fimmu.2013.00488

TWEAK: a new player in obesity and diabetes

Joan Vendrell and Matilde R. Chacón*

Research Unit, Centro de Investigación Biomédica en Red de Diabetes y Enfermedades Metabólicas Asociadas (CIBERDEM), Hospital Universitari de Tarragona Joan XXIII, Institut d'Investigació Sanitària Pere Virgili, Universitat Rovira i Virgili, Tarragona, Spain

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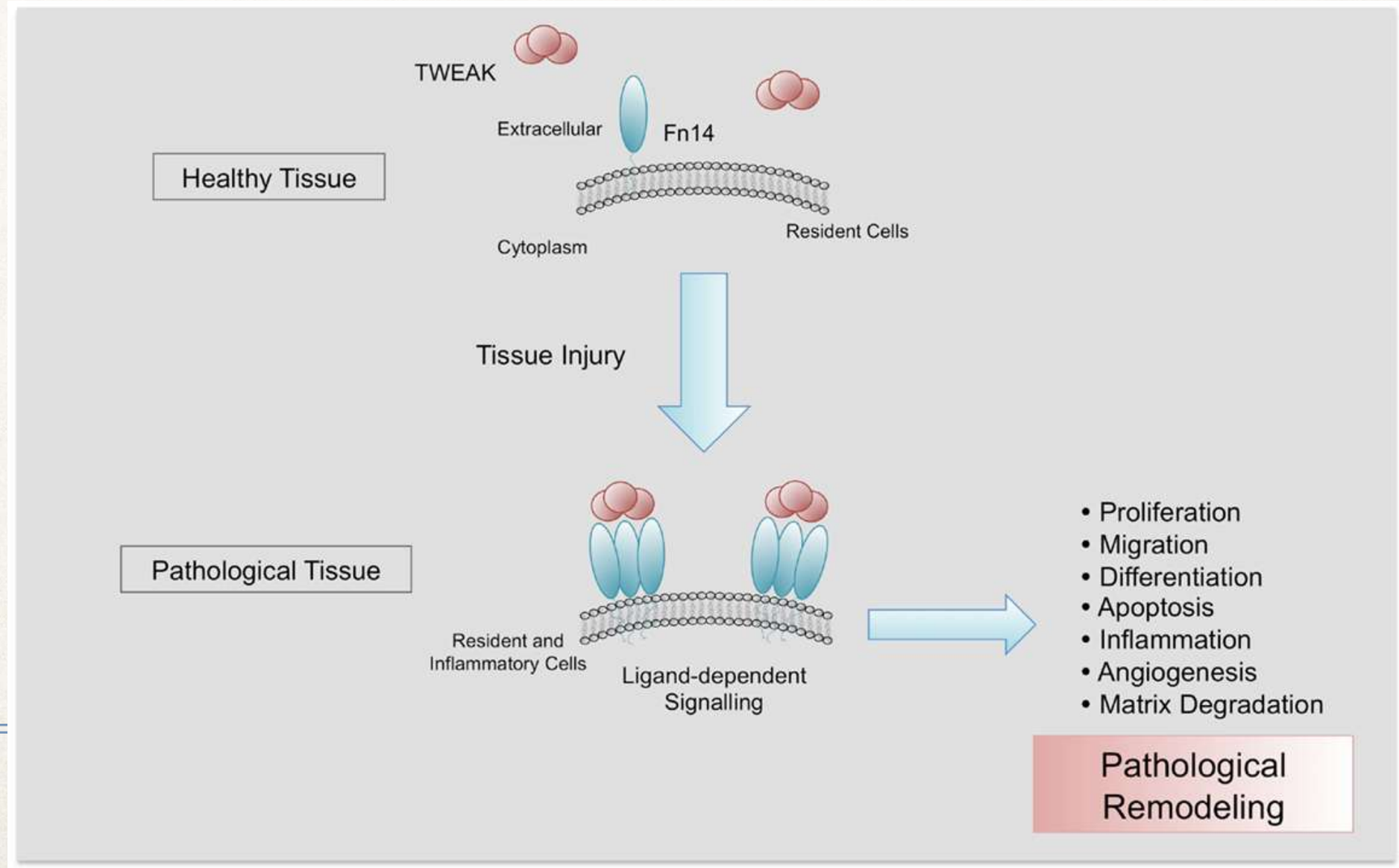

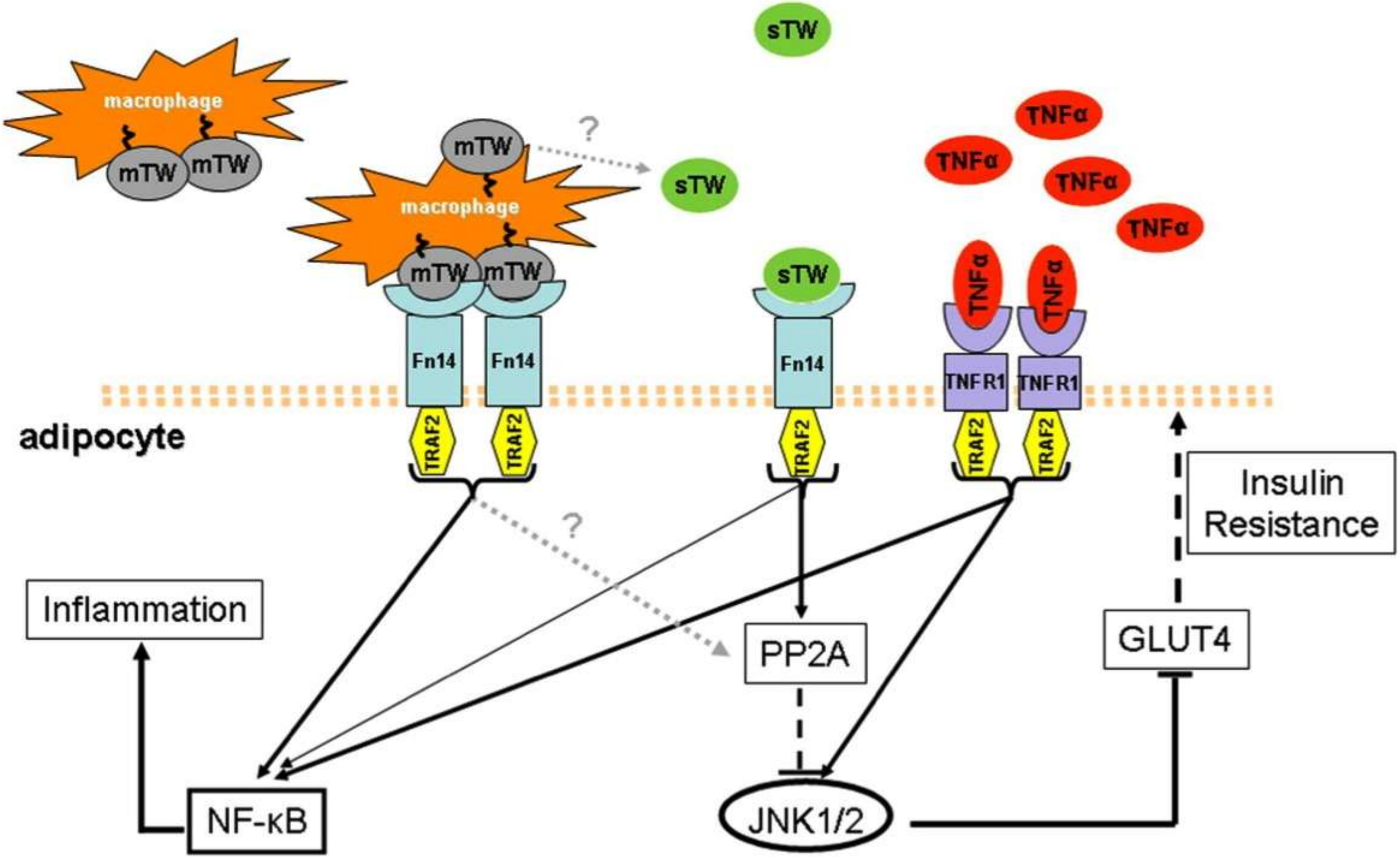
macrophage
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TNFα
Fn14
Fn14
Fn14
TNFR1
TNFR1
TRAF2
TRAF2
TRAF2
TRAF2
TRAF2
adipocyte
Insulin Resistance
?
Inflammation
PP2A
GLUT4
NF-κB
JNK1/2

PURPOSE

Fasting hyperinsulinemia (FGI)- a potential biomarker to predict development of t2DM in MS patients?

Materials and Methods

Hyperinsulinemia (fasting) > 15 mkMU/ml

247 MS patients:

115 male

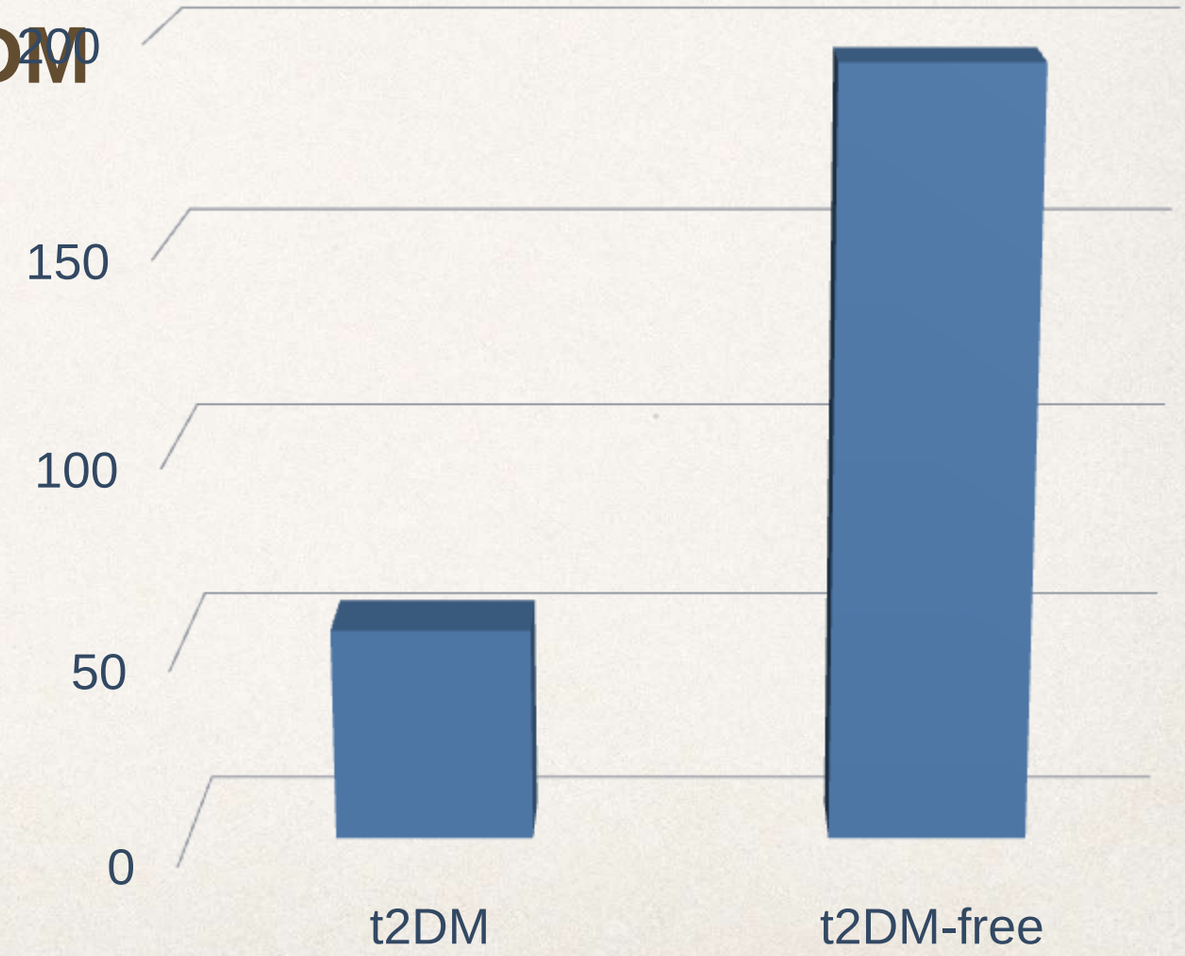
132 female

Age (average) : 56 ± 5,8 years

Observation 3 years

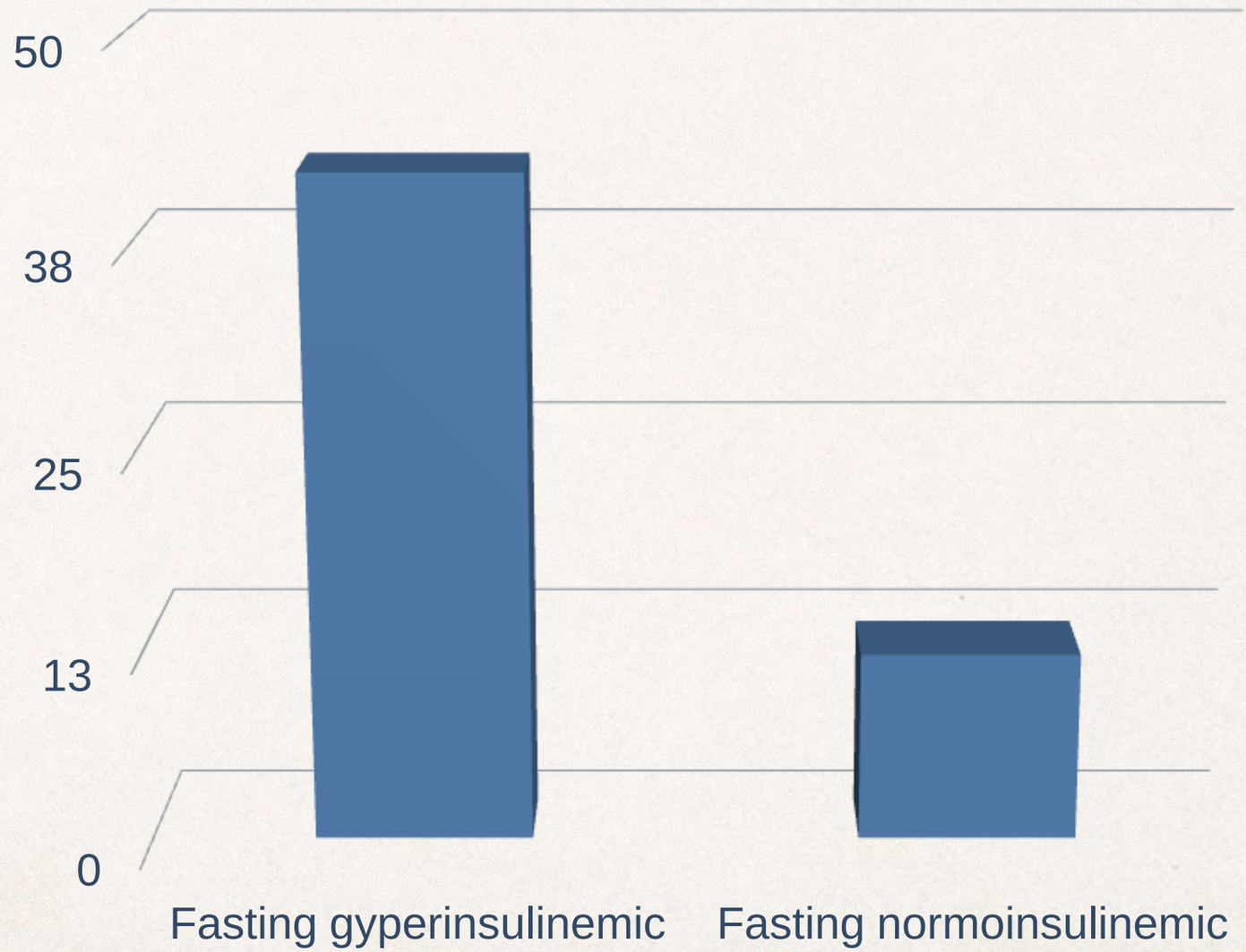
Results

After 3 years 54 patients had t2DM



Results

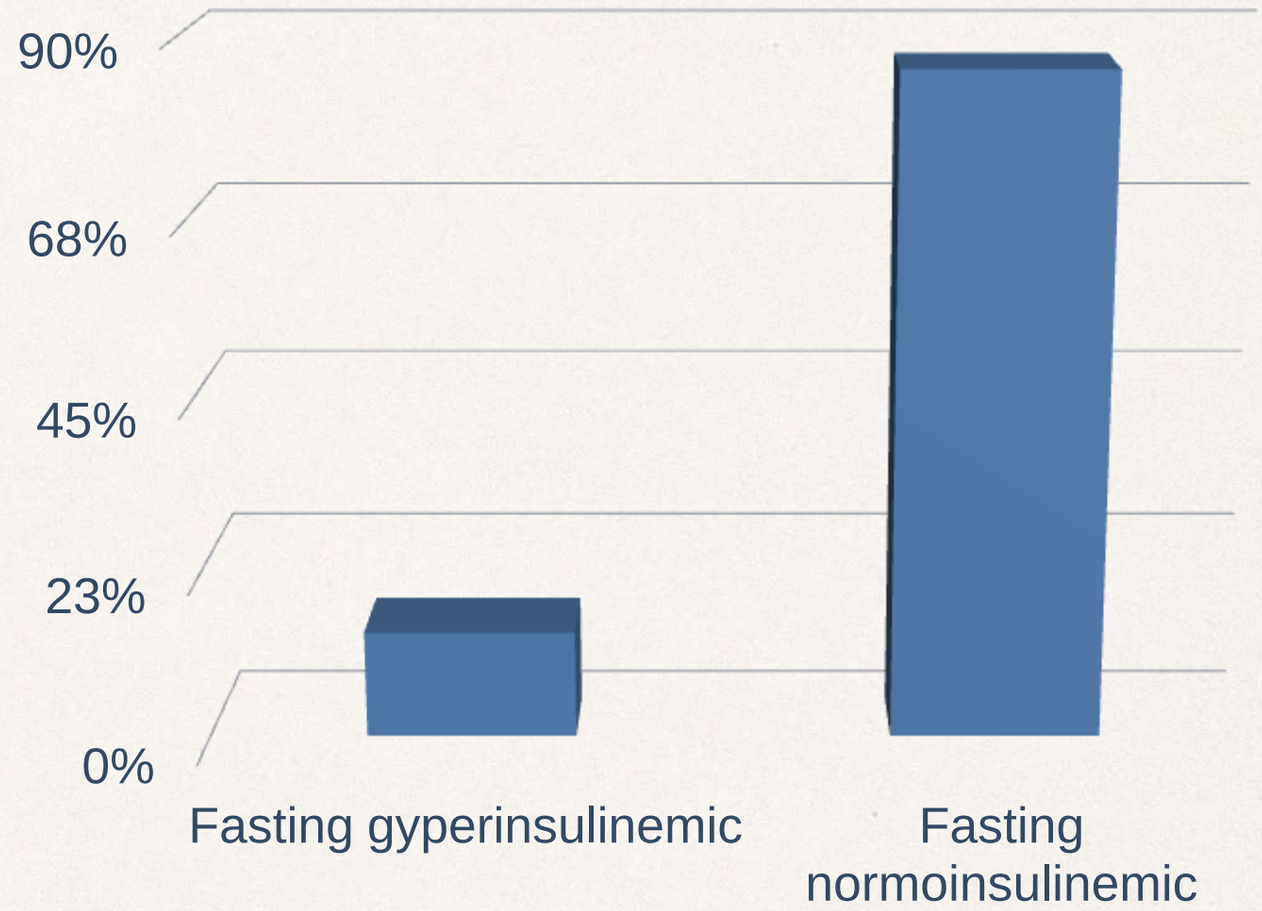
78% of t2DM manifistated had fasting gyperinsulinemia befoure



Results

t2DM-free patients

14% t2DM-free had FGI befoure



Conclusion

- Fasting insulin level can be regarded as a biomarker of t2DM
- Insulin level measurement is technically simple and inexpensive
- Fasting insulin level can be used as a screening method among the persons in high risk of CVD and t2DM

Thank you

Let Us Meet Again

We welcome you all to our future conferences of OMICS Group International

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