

The year in diabetes.....

Hamish Courtney
Belfast



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OSCARS[®]

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The NEW ENGLAND
JOURNAL *of* MEDICINE

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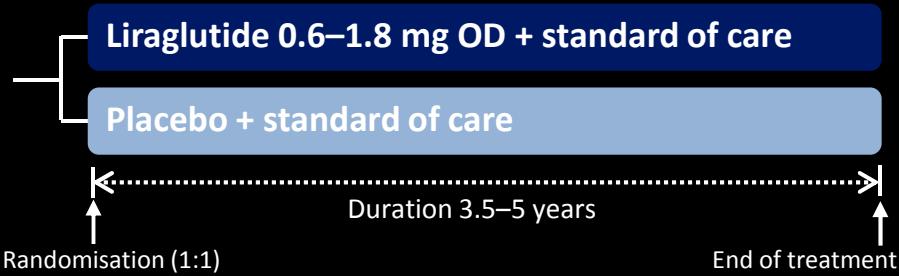
Liraglutide and Cardiovascular Outcomes in Type 2 Diabetes

Steven P. Marso, M.D., Gilbert H. Daniels, M.D., Kirstine Brown-Frandsen, M.D., Peter Kristensen, M.D., E.M.B.A.,
Johannes F.E. Mann, M.D., Michael A. Nauck, M.D., Steven E. Nissen, M.D., Stuart Pocock, Ph.D.,
Neil R. Poulter, F.Med.Sci., Lasse S. Ravn, M.D., Ph.D., William M. Steinberg, M.D., Mette Stockner, M.D.,
Bernard Zinman, M.D., Richard M. Bergenstal, M.D., and John B. Buse, M.D., Ph.D.,
for the LEADER Steering Committee on behalf of the LEADER Trial Investigators*

LEADER: Study design

9340 patients

- T2DM
- HbA_{1c} ≥ 7.0%



Key inclusion criteria

Minimum age of 50 years at screening and concomitant CV, cerebrovascular or peripheral vascular disease, or chronic renal or heart failure

Minimum age of 60 years at screening and other specified risk factors of vascular disease

Primary endpoint

- Time from randomisation to a composite outcome of the first occurrence of CV death, non-fatal MI, or non-fatal stroke

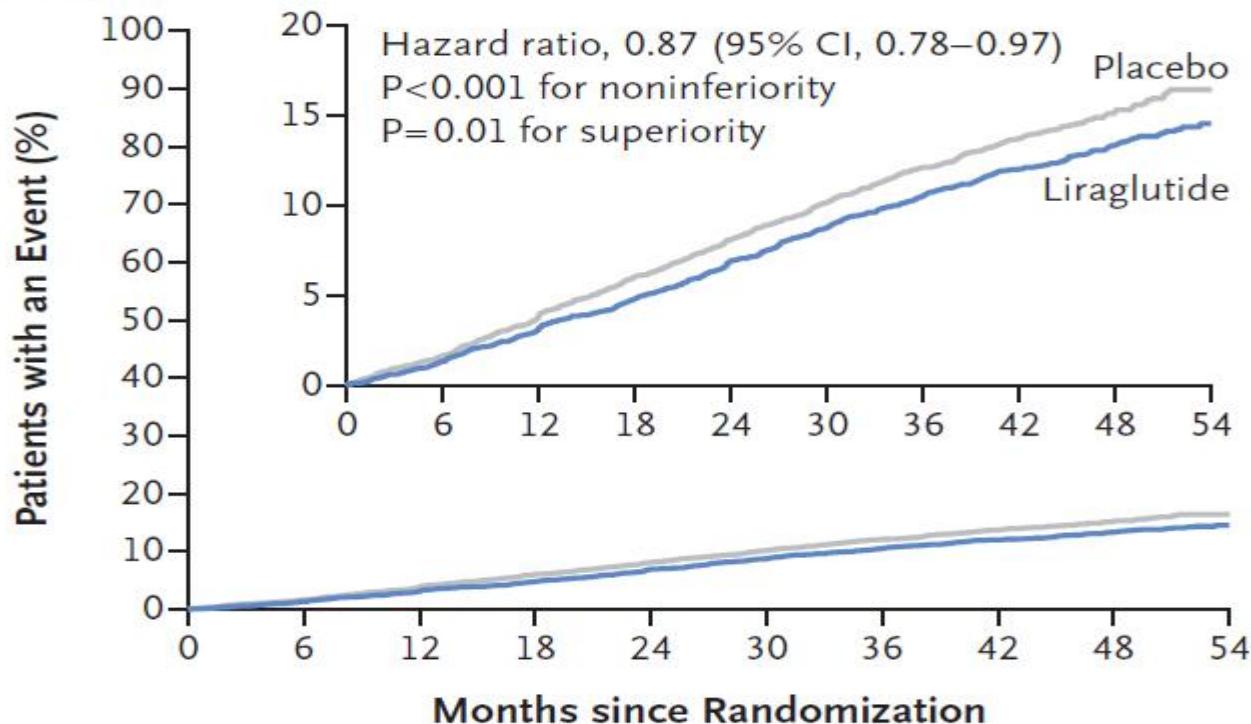
Key secondary endpoints

- First occurrence of an expanded composite CV outcome of CV death, non-fatal MI, non-fatal stroke, revascularisation, unstable angina or hospitalisation for chronic heart failure

Baseline characteristics

Patient characteristics	Total (N=9340)
Mean age (yrs \pm SD)	64.3 \pm 7.2
Male gender (%)	6003 (64.3)
Mean BMI ($\text{kg}/\text{m}^2 \pm \text{SD}$)	32.5 \pm 6.3
Mean HbA _{1c} (% \pm SD)	8.7 \pm 1.5
Mean diabetes duration (yrs \pm SD)	12.7 \pm 8.0
Insulin use (%)	3905 (41.8)

A Primary Outcome



No. at Risk

Liraglutide	4668	4593	4496	4400	4280	4172	4072	3982	1562	424
Placebo	4672	4588	4473	4352	4237	4123	4010	3914	1543	407

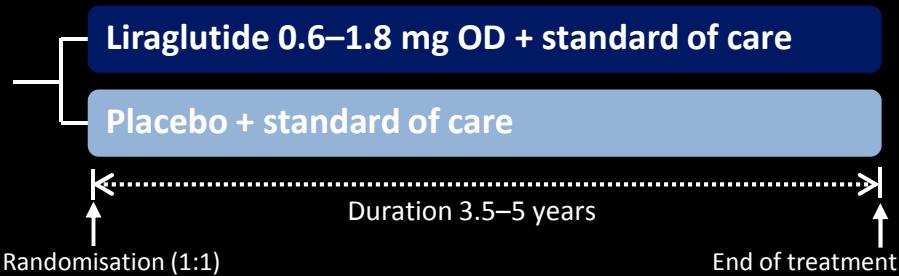




LEADER: Study design

9340 patients

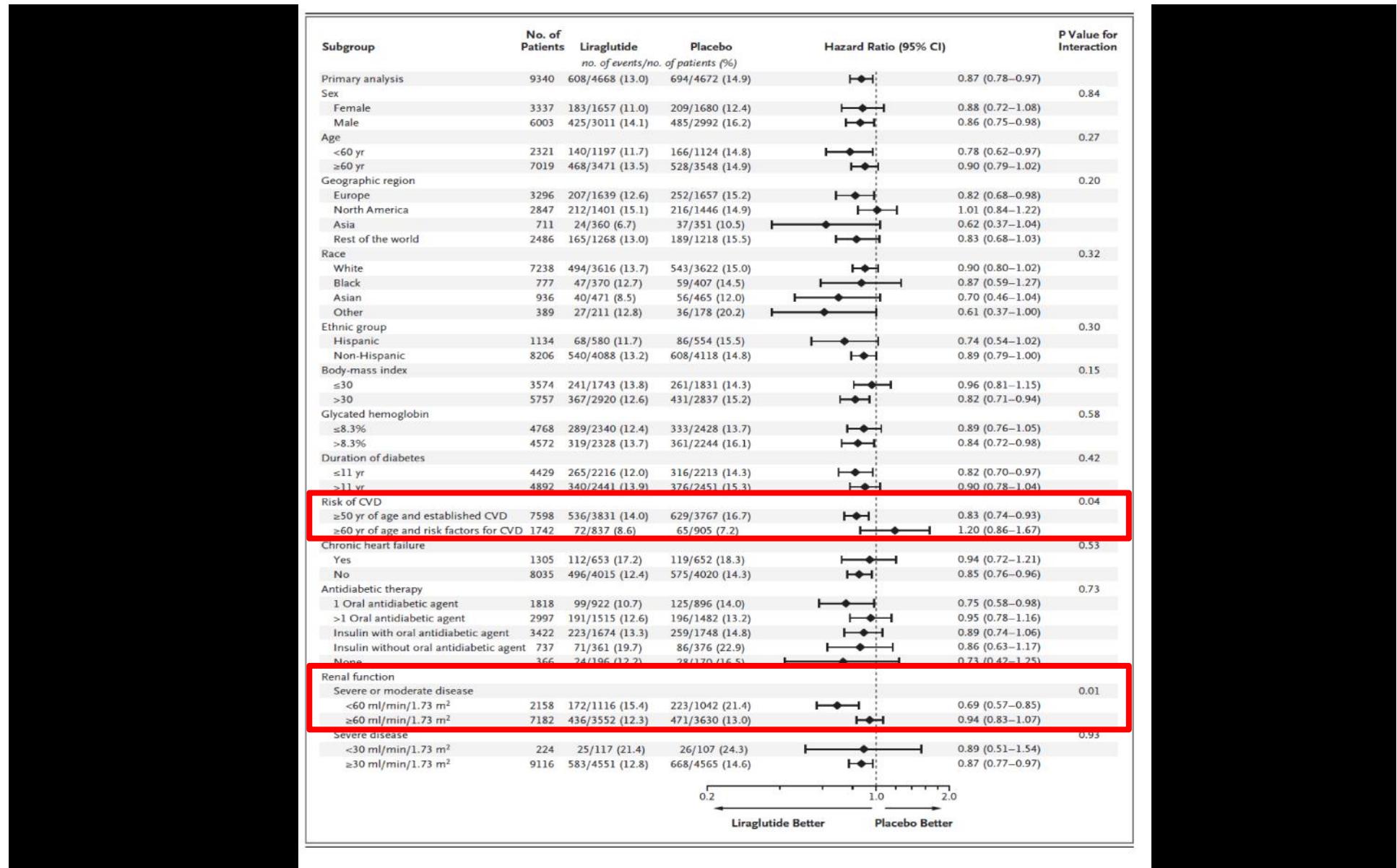
- T2DM
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OSCAR NOMINATIONS





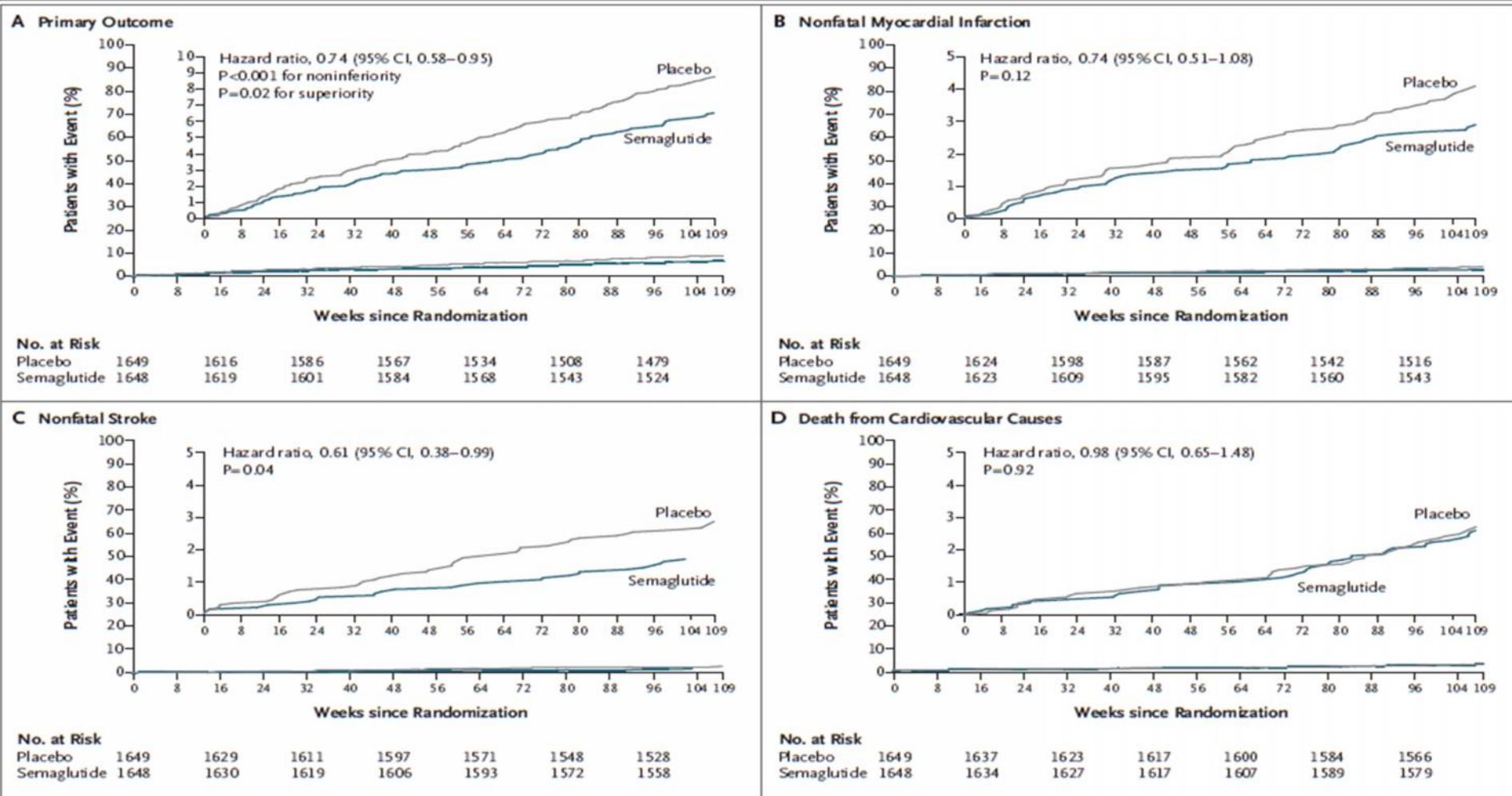
ORIGINAL ARTICLE

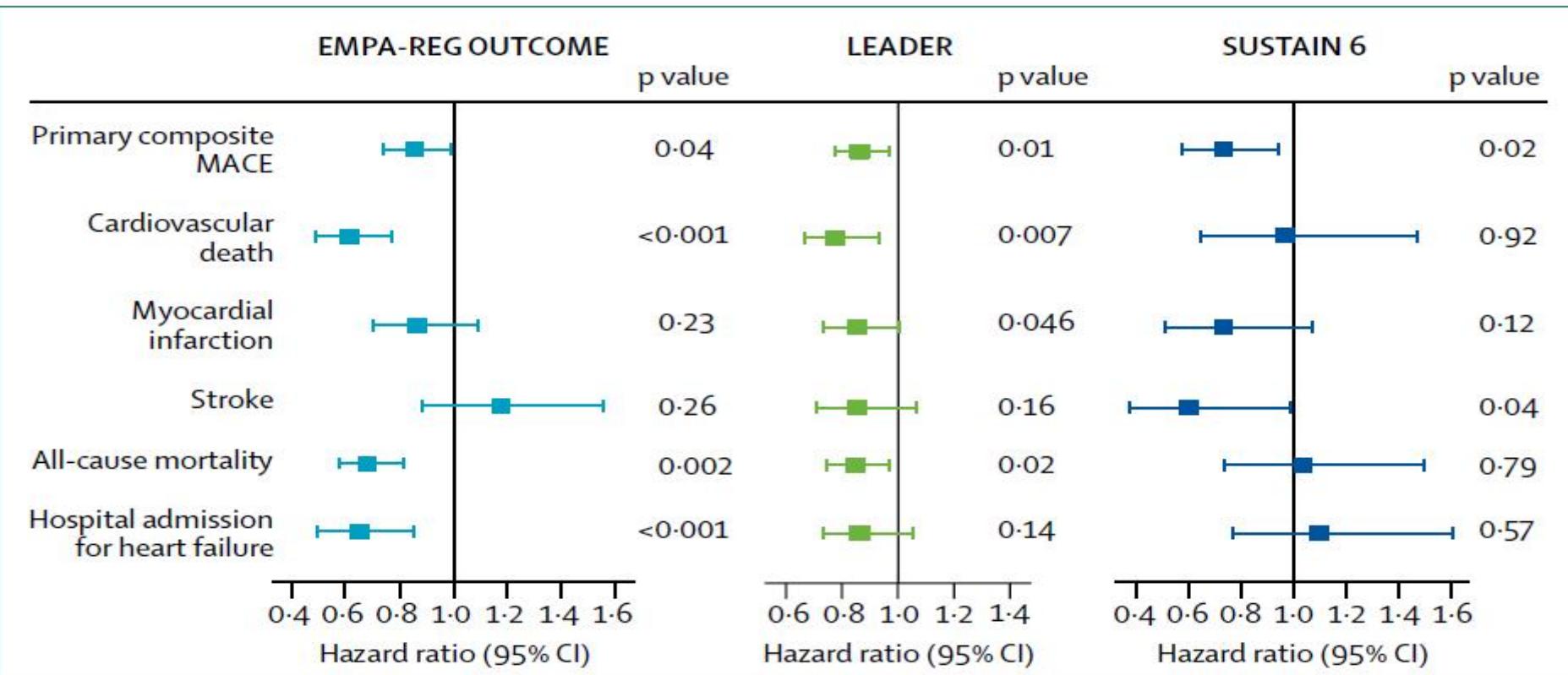
Semaglutide and Cardiovascular Outcomes in Patients with Type 2 Diabetes

Steven P. Marso, M.D., Stephen C. Bain, M.D., Agostino Consoli, M.D.,
Freddy G. Eliaschewitz, M.D., Esteban Jódar, M.D., Lawrence A. Leiter, M.D.,
Ildiko Lingvay, M.D., M.P.H., M.S.C.S., Julio Rosenstock, M.D.,
Jochen Seufert, M.D., Ph.D., Mark L. Warren, M.D., Vincent Woo, M.D.,
Oluf Hansen, M.Sc., Anders G. Holst, M.D., Ph.D., Jonas Pettersson, M.D., Ph.D.,
and Tina Vilsbøll, M.D., D.M.Sc., for the SUSTAIN-6 Investigators*

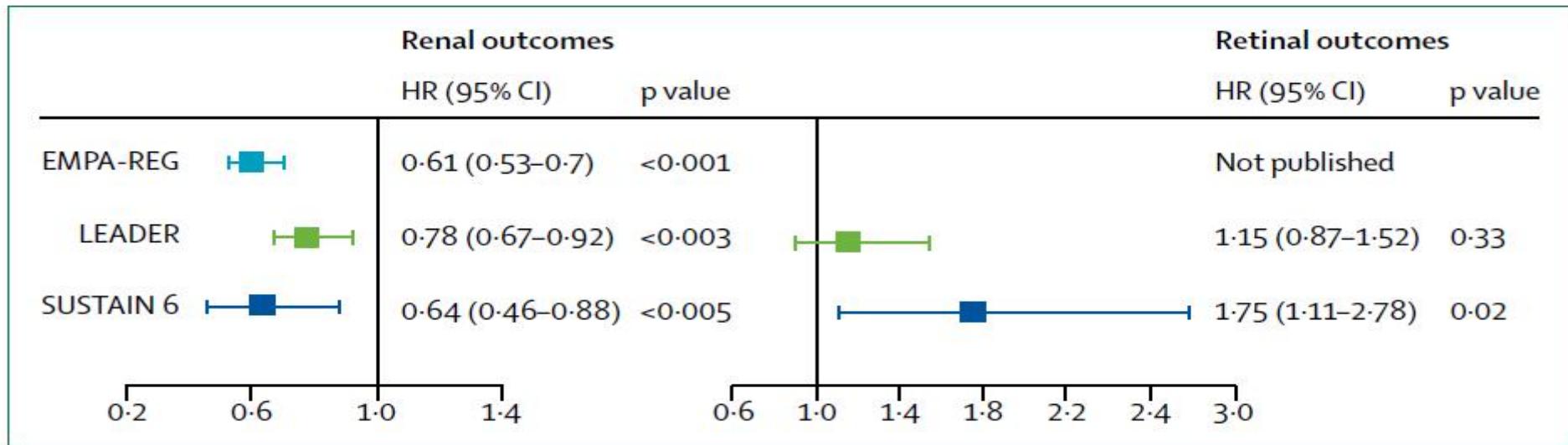
Table 1. Characteristics of the Patients at Baseline.*

Characteristic	Semaglutide (N=1648)		Placebo (N=1649)		Total (N=3297)
	0.5 mg (N=826)	1.0 mg (N=822)	0.5 mg (N=824)	1.0 mg (N=825)	
Age — yr	64.6±7.3	64.7±7.1	64.8±7.6	64.4±7.5	64.6±7.4
Male sex — no. (%)	495 (59.9)	518 (63.0)	482 (58.5)	507 (61.5)	2002 (60.7)
Body weight — kg	91.8±20.3	92.9±21.1	91.8±20.3	91.9±20.8	92.1±20.6
Type 2 diabetes					
Duration — yr	14.3±8.2	14.1±8.2	14.0±8.5	13.2±7.4	13.9±8.1
Glycated hemoglobin — %	8.7±1.4	8.7±1.5	8.7±1.5	8.7±1.5	8.7±1.5
Cardiovascular risk factors					
Systolic blood pressure — mm Hg	136.1±18.0	135.8±17.0	135.8±16.2	134.8±17.5	135.6±17.2
Diastolic blood pressure — mm Hg	77.1±9.8	76.9±10.2	77.5±9.9	76.7±10.2	77.0±10.0
Low-density lipoprotein cholesterol — mg/dl†	81.6±47.1	83.3±41.2	80.9±48.1	83.6±45.9	82.3±45.6
Never smoked — no. (%)	390 (47.2)	364 (44.3)	391 (47.5)	348 (42.2)	1493 (45.3)
History of cardiovascular disease — no. (%)					
Ischemic heart disease	493 (59.7)	495 (60.2)	510 (61.9)	496 (60.1)	1994 (60.5)
Myocardial infarction	266 (32.2)	264 (32.1)	267 (32.4)	275 (33.3)	1072 (32.5)
Heart failure	201 (24.3)	180 (21.9)	190 (23.1)	206 (25.0)	777 (23.6)
Ischemic stroke	89 (10.8)	89 (10.8)	96 (11.7)	109 (13.2)	383 (11.6)
Hemorrhagic stroke	28 (3.4)	24 (2.9)	27 (3.3)	29 (3.5)	108 (3.3)
Hypertension	772 (93.5)	771 (93.8)	756 (91.7)	760 (92.1)	3059 (92.8)









OSCAR NOMINATIONS



Years of life gained by multifactorial intervention in patients with type 2 diabetes mellitus and microalbuminuria: 21 years follow-up on the Steno-2 randomised trial

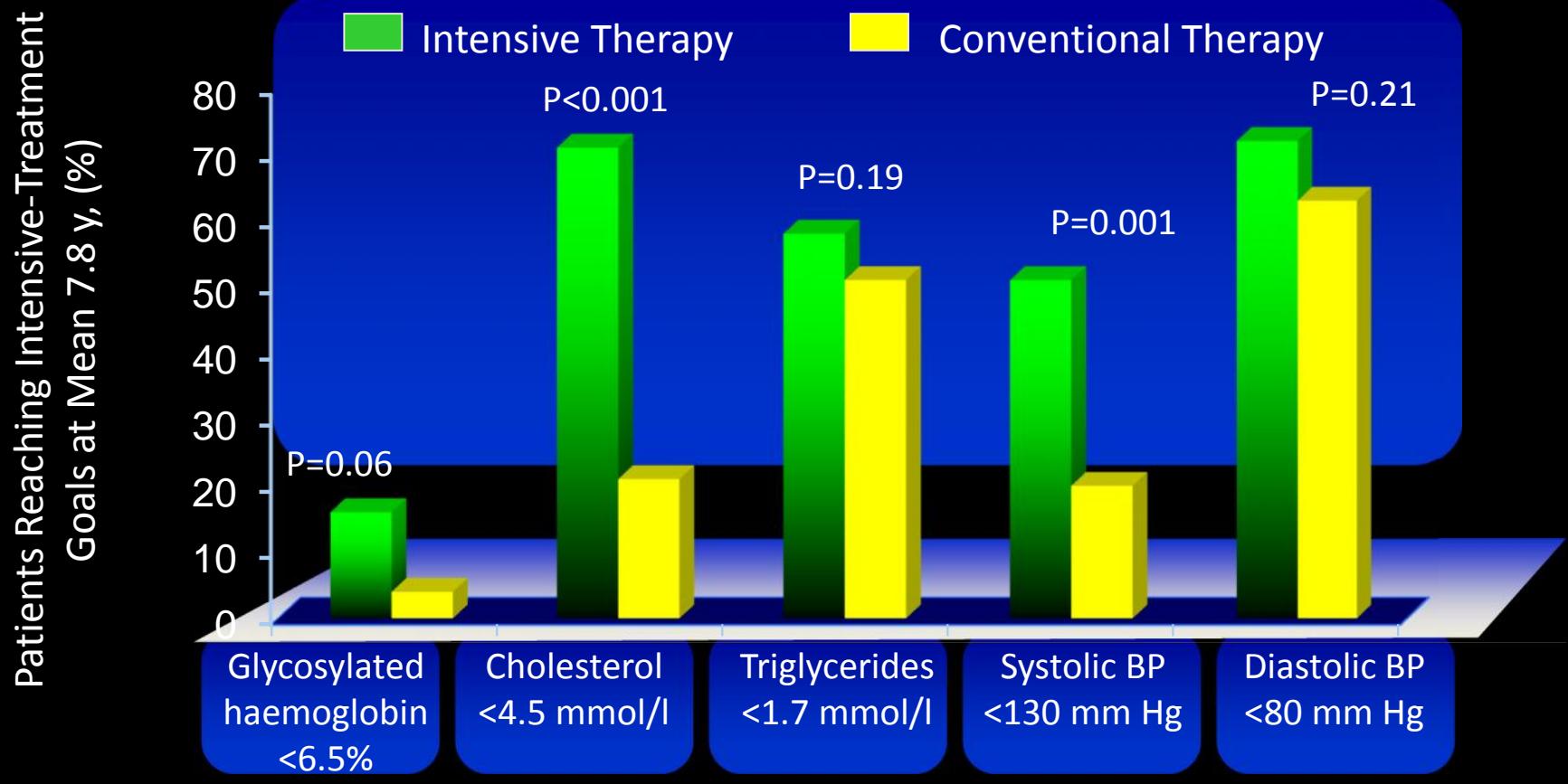
Peter Gæde^{1,2} · Jens Oellgaard^{1,2,3} · Bendix Carstensen³ · Peter Rossing^{3,4,5} ·
Henrik Lund-Andersen^{3,5,6} · Hans-Henrik Parving^{5,7} · Oluf Pedersen⁸

160 patients with T2 DM and microalbuminuria
Mean diabetes duration 5 years
7.8 years intervention

160 patients with T2 DM and microalbuminuria
Mean diabetes duration 5 years
7.8 years intervention

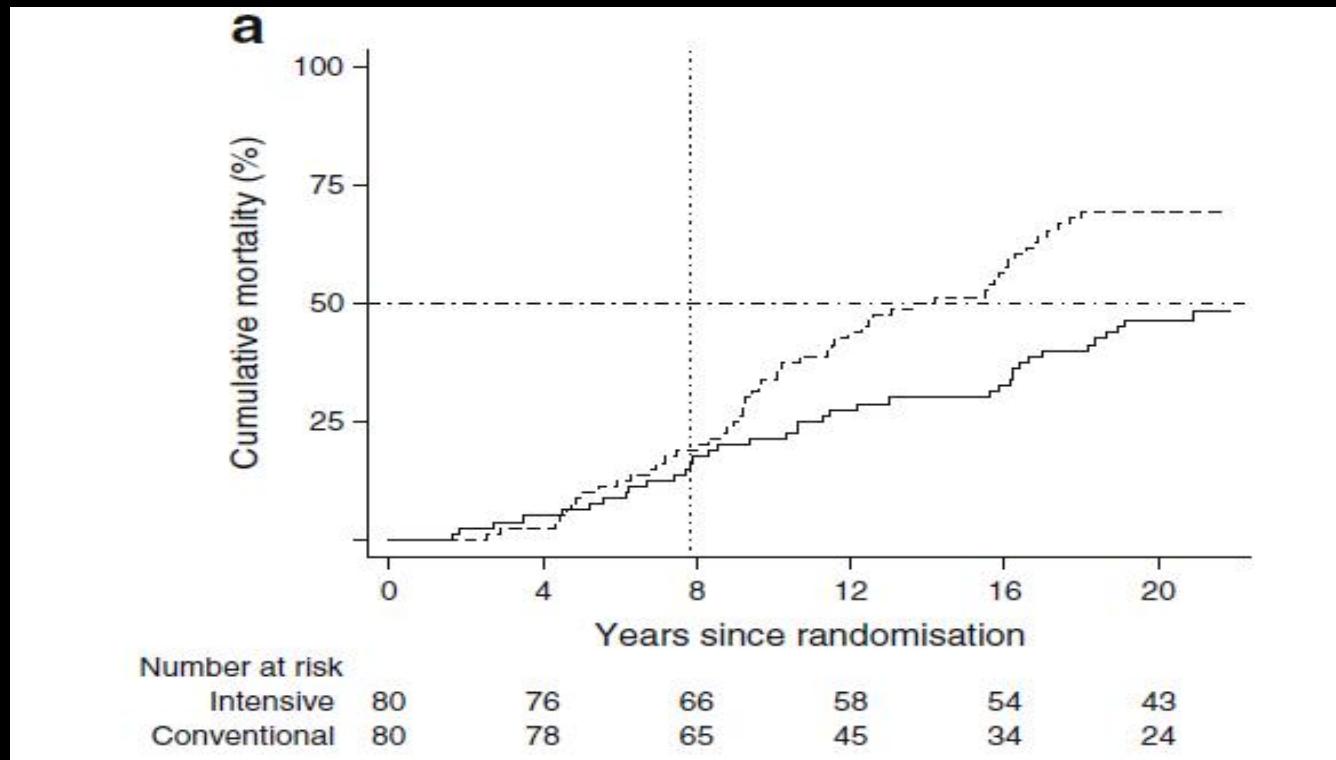
	Conventional	Intensive
Haemoglobin A _{1c} (%)	<7.5	<6.5
Cholesterol (mmol/l)	<6.5	<4.5
Triglycerides (mmol/l)	<2.2	<1.7
Systolic BP (mmHg)	<160	<130
Diastolic BP (mmHg)	<95	<80
ACEi irrespective of BP	No	Yes
Aspirin, primary prevention	No	Yes

Steno-2 Study



Gæde P et al. *N Engl J Med* 2003;348:383-393

Median survival benefit 7.9 yrs



Median delay to 1st CV event 8.1 yrs

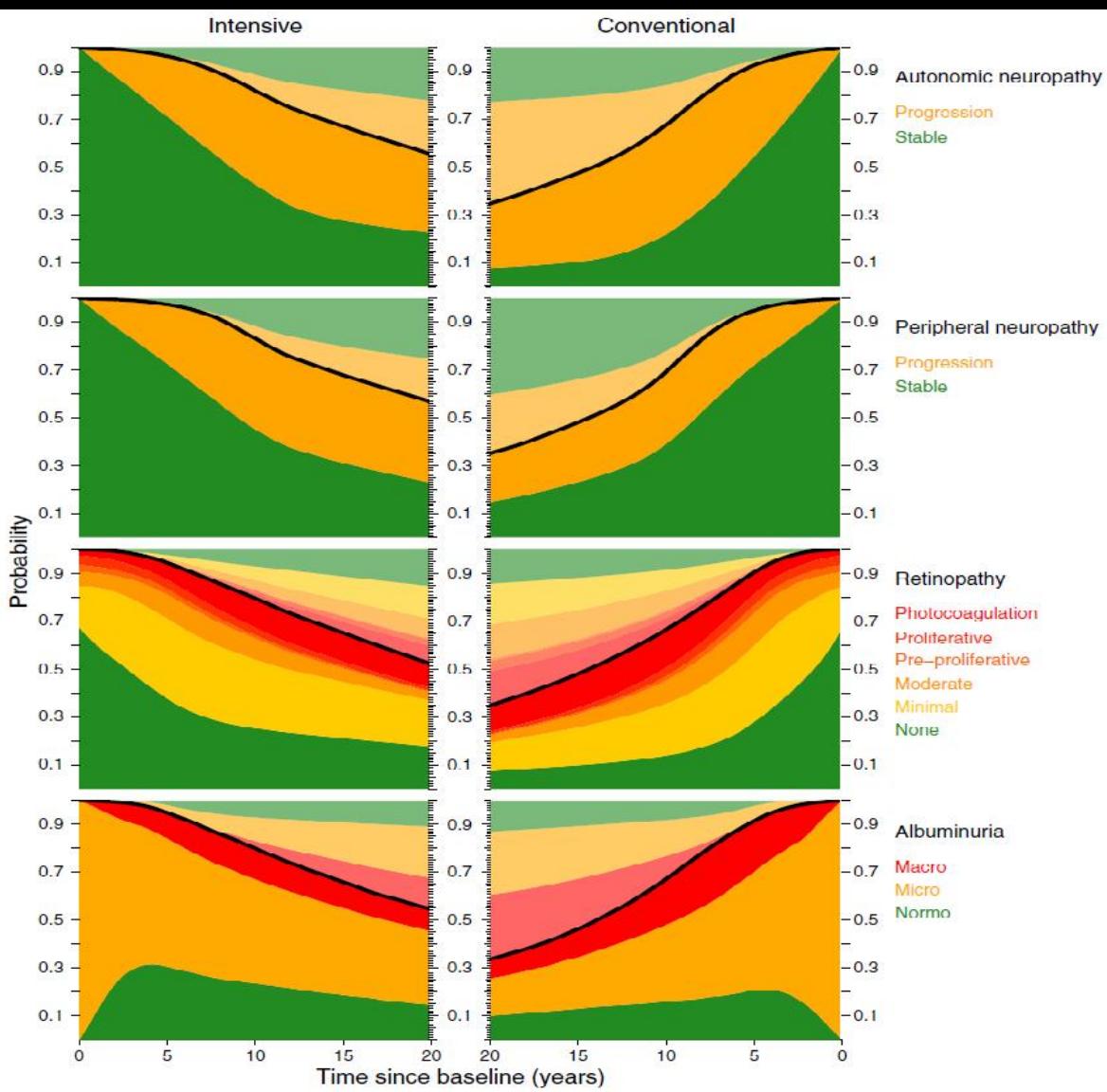


Table 2. Clinical Manifestations of Kidney Disease Among US Adults With Diabetes, 1988 Through 2014

NHANES Period	No. With Diabetes	Unadjusted Prevalence, % (95% CI)		Adjusted Prevalence Ratio (95% CI) ^b	P Value for Trend
		Based on a Single Laboratory Value	Accounting for Persistence ^a		
Any diabetic kidney disease^c					
1988-1994	640	42.5 (38.4-46.6)	28.4 (23.8-32.9)	1 [Reference]	
1999-2004	659	40.5 (37.5-43.6)	27.3 (23.1-31.4)	1.00 (0.90-1.11)	.39
2005-2008	573	39.3 (36.0-42.7)	27.1 (22.6-31.4)	0.99 (0.88-1.10)	
2009-2014	874	38.1 (35.3-41.0)	26.2 (22.6-29.9)	0.95 (0.86-1.06)	
Albuminuria (ACR ≥30 mg/g)					
1988-1994	534	35.2 (31.1-39.5)	20.8 (16.3-25.3)	1 [Reference]	
1999-2004	531	32.1 (29.0-35.3)	18.9 (15.3-22.4)	0.93 (0.79-1.06)	<.001
2005-2008	447	30.4 (27.6-33.4)	17.9 (14.0-21.9)	0.86 (0.75-1.01)	
2009-2014	645	27.1 (24.1-30.3)	15.9 (12.7-19.0)	0.76 (0.65-0.89)	
Macroalbuminuria (ACR ≥300 mg/g)					
1988-1994	155	7.9 (6.0-10.4)	5.6 (2.8-8.4)	1 [Reference]	
1999-2004	141	7.4 (5.9-9.2)	5.4 (3.1-7.7)	0.93 (0.65-1.31)	.22
2005-2008	111	6.9 (5.4-8.7)	4.9 (2.7-7.1)	0.86 (0.60-1.23)	
2009-2014	171	6.7 (5.6-8.2)	5.0 (3.3-6.6)	0.82 (0.59-1.14)	
Estimated GFR <60 mL/min/1.73 m²					
1988-1994	214	13.1 (10.9-15.7)	9.2 (6.2-12.2)	1 [Reference]	
1999-2004	273	16.0 (14.1-18.2)	11.6 (8.5-14.6)	1.33 (1.09-1.63)	<.001
2005-2008	242	16.6 (14.2-19.4)	11.8 (8.4-15.1)	1.38 (1.09-1.75)	
2009-2014	450	20.1 (18.5-21.8)	14.1 (11.3-17.0)	1.61 (1.33-1.95)	
Estimated GFR <30 mL/min/1.73 m²					
1988-1994	22	1.0 (0.5-2.0)	NA	1 [Reference]	
1999-2004	39	1.7 (1.1-2.6)	NA	1.86 (0.87-3.98)	.004
2005-2008	28	1.8 (1.2-2.7)	NA	1.93 (0.90-4.11)	
2009-2014	62	2.7 (2.0-3.7)	NA	2.86 (1.38-5.91)	

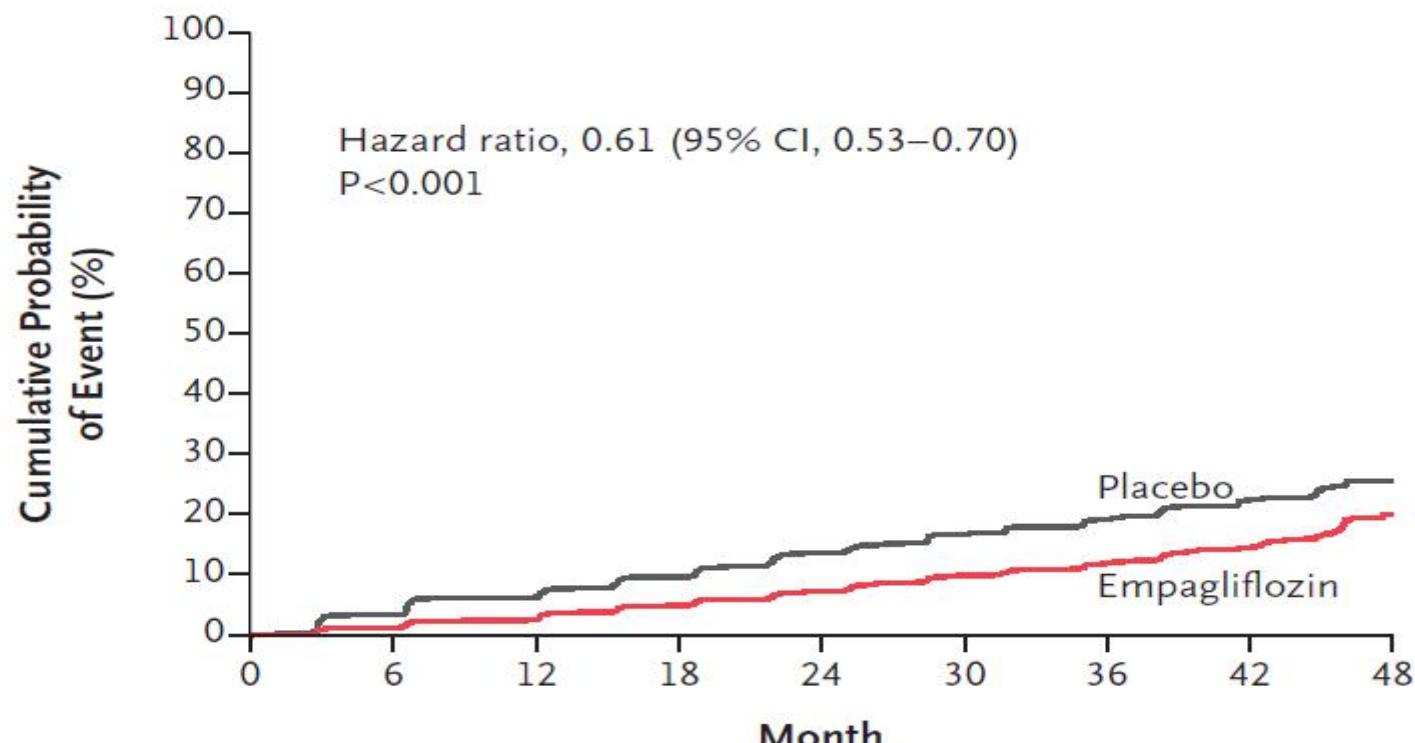
The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

Empagliflozin and Progression of Kidney Disease in Type 2 Diabetes

Christoph Wanner, M.D., Silvio E. Inzucchi, M.D., John M. Lachin, Sc.D.,
David Fitchett, M.D., Maximilian von Eynatten, M.D.,
Michaela Mattheus, Dipl. Biomath., Odd Erik Johansen, M.D., Ph.D.,
Hans J. Woerle, M.D., Uli C. Broedl, M.D., and Bernard Zinman, M.D.,
for the EMPA-REG OUTCOME Investigators*

A Incident or Worsening Nephropathy



No. at Risk

Empagliflozin	4124	3994	3848	3669	3171	2279	1887	1219	290
Placebo	2061	1946	1836	1703	1433	1016	833	521	106

Incident or worsening nephropathy

New-onset macroalbuminuria

Doubling of serum creatinine concentration
and eGFR ≤ 45 mL/min/1.73m²

Need for renal replacement therapy

Death due to renal disease

**Empagliflozin (EMPA-REG
OUTCOME; n=7020)**

0.61 (0.53–0.70); p<0.001

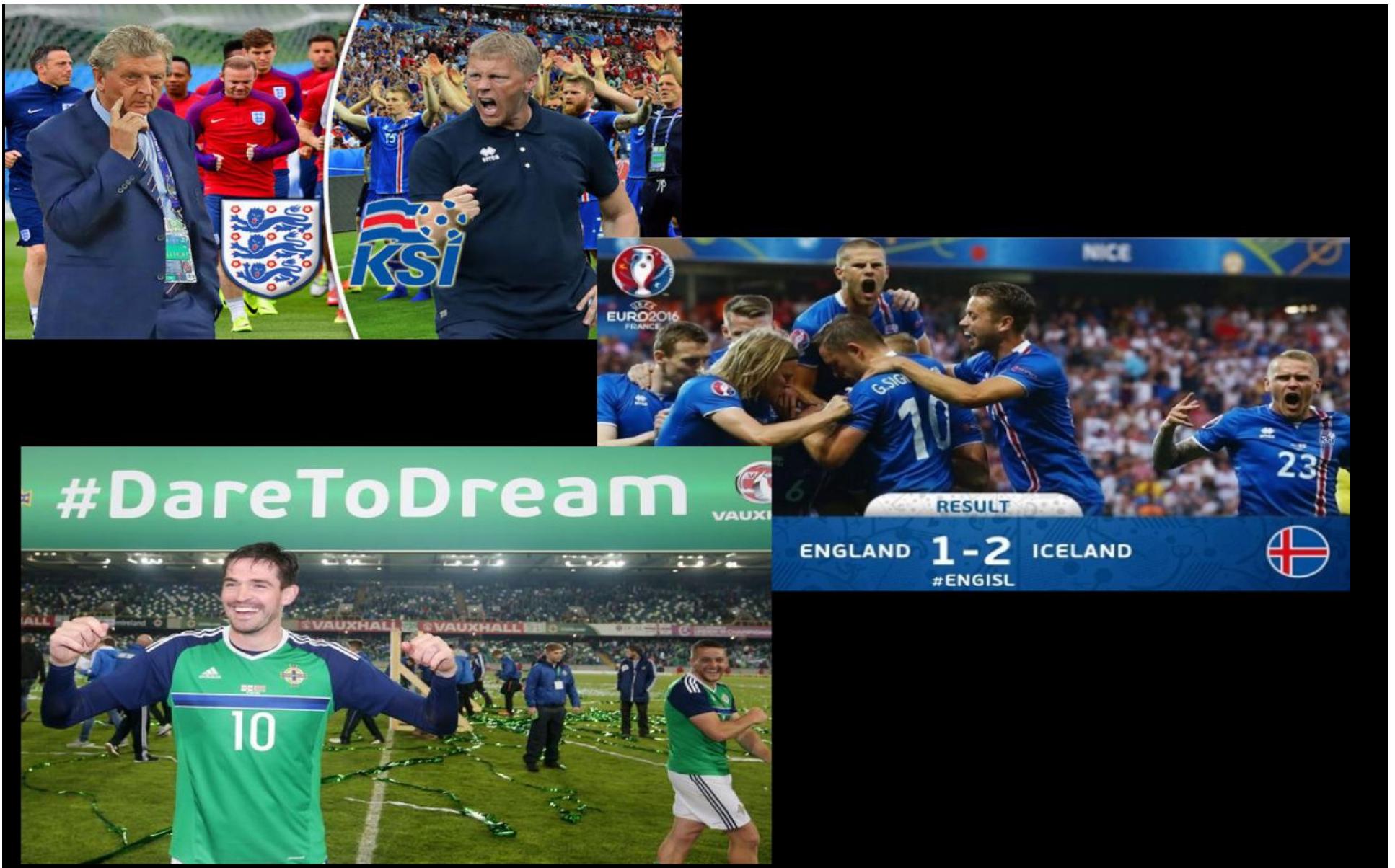
0.62 (0.54–0.72); p<0.001

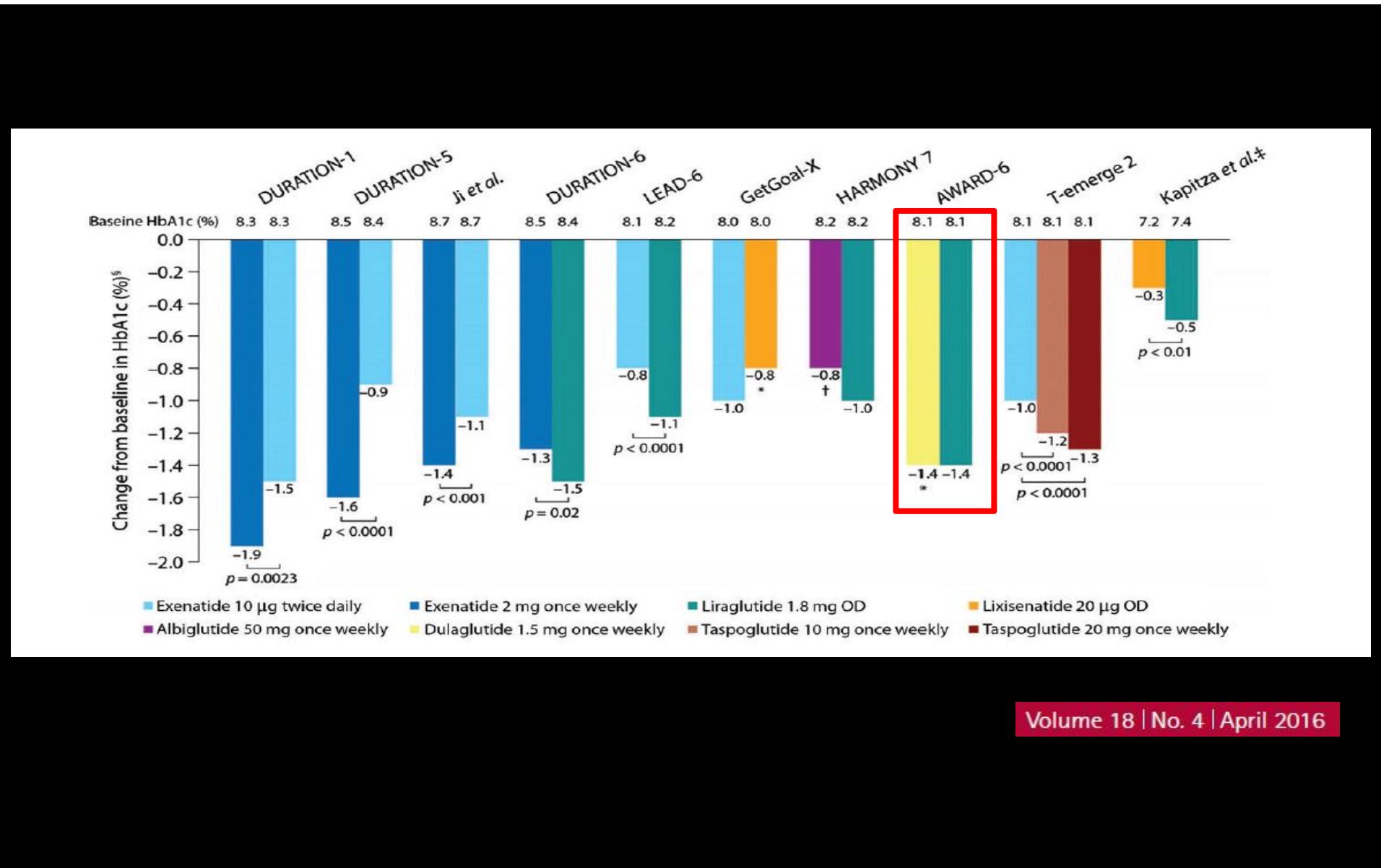
0.56 (0.39–0.79); p<0.001

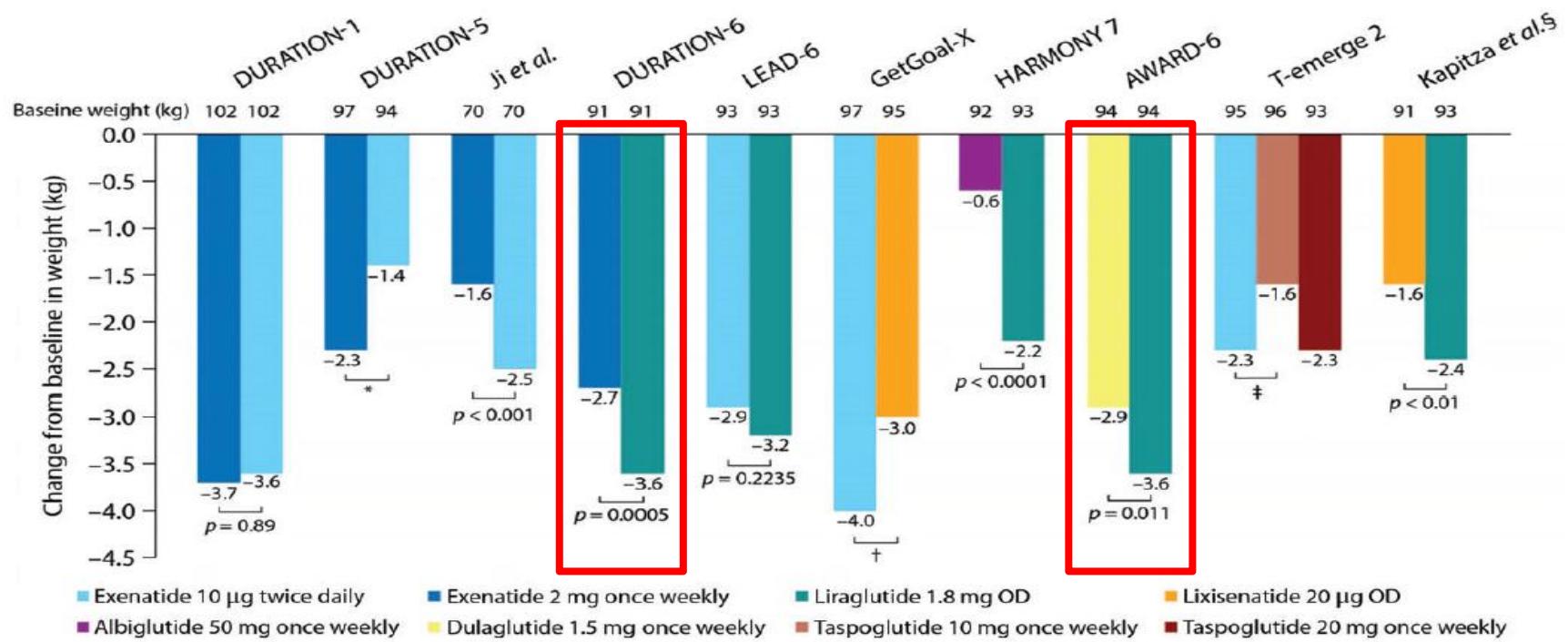
0.45 (0.21–0.97); p=0.04

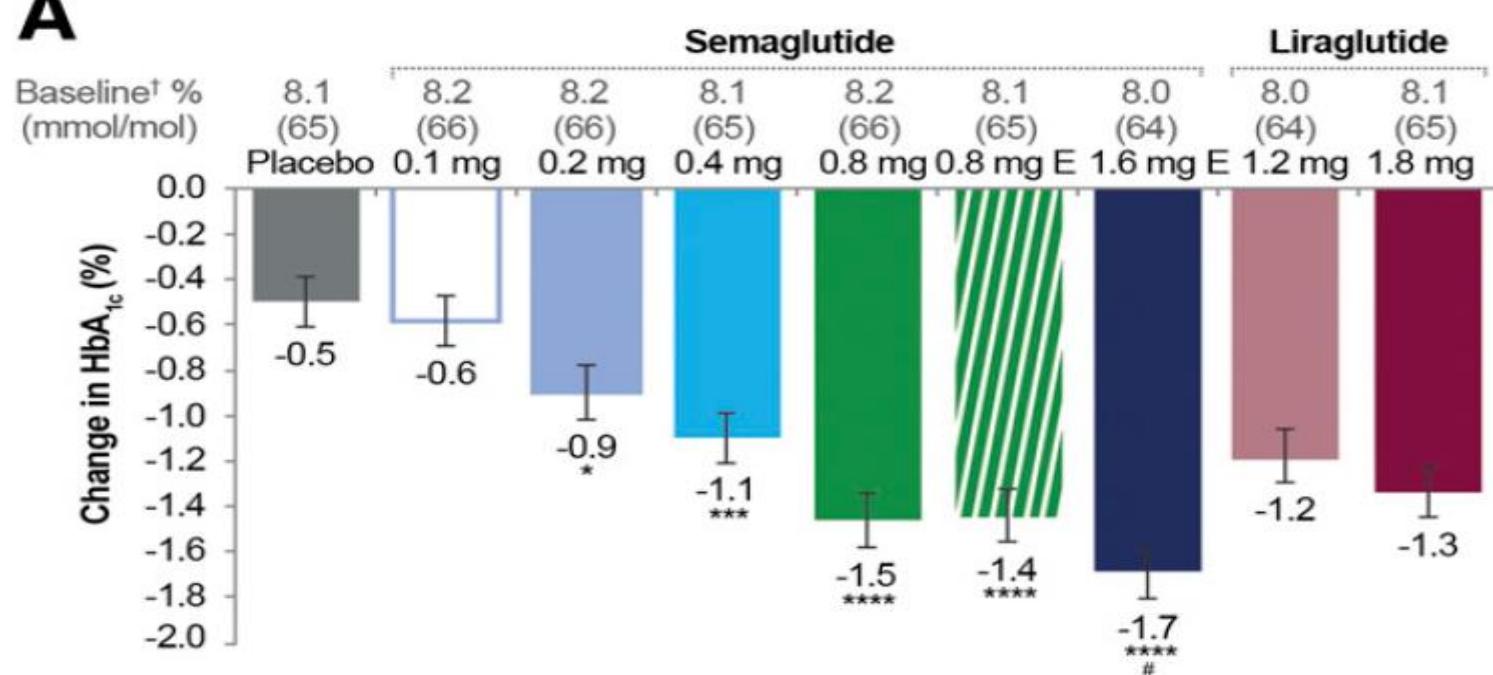
3 (empagliflozin) vs 0
(placebo);* NR

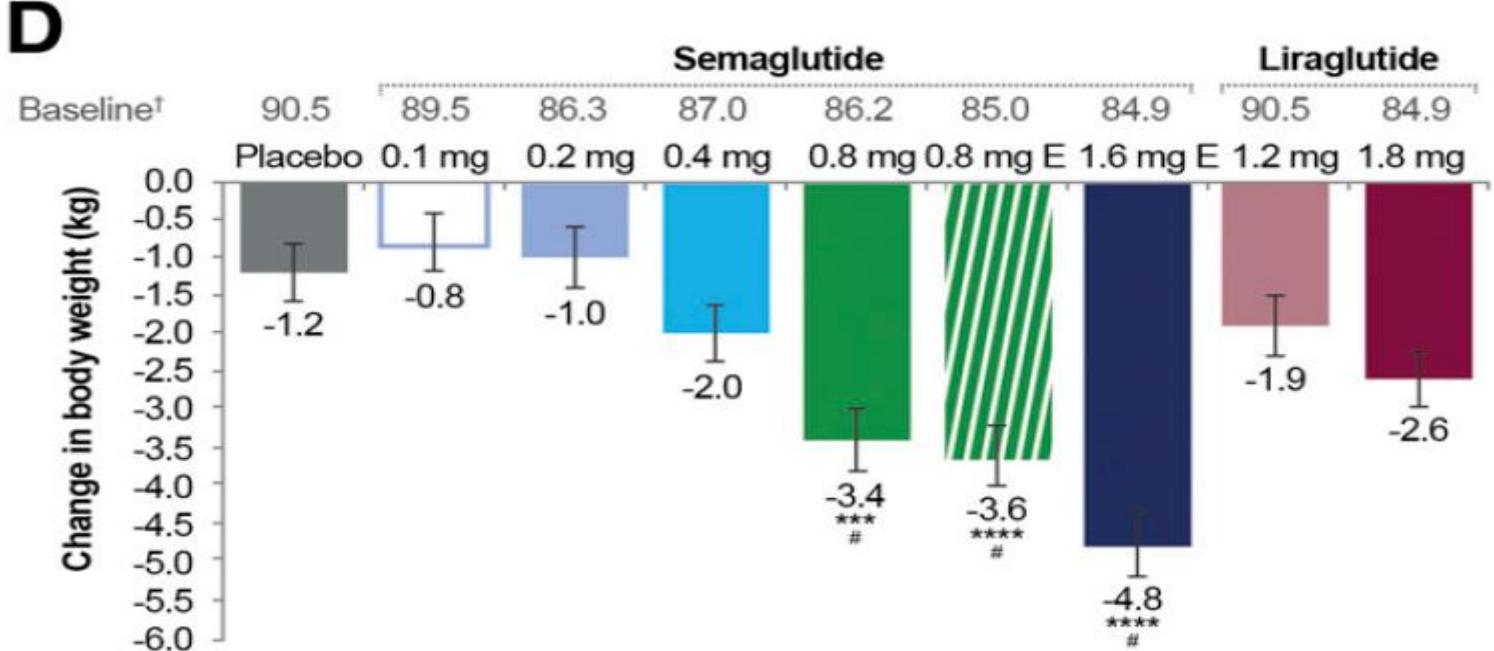








A

D

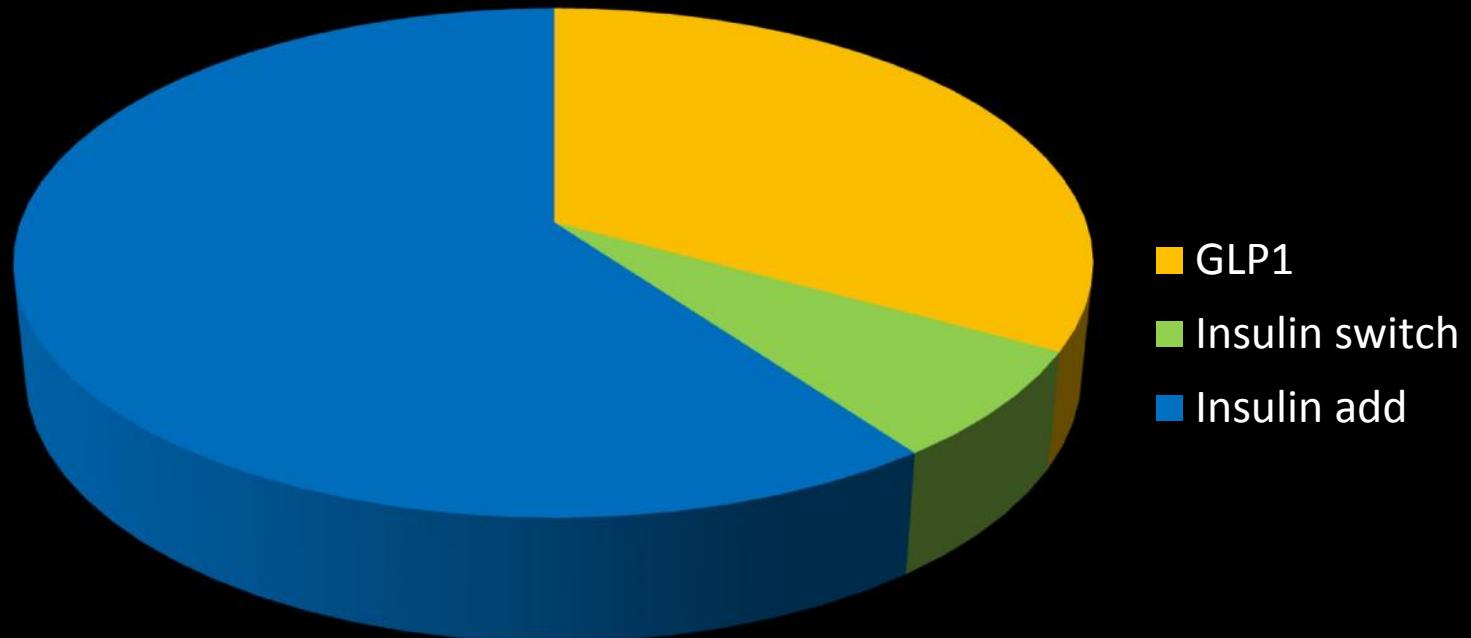
Brexit



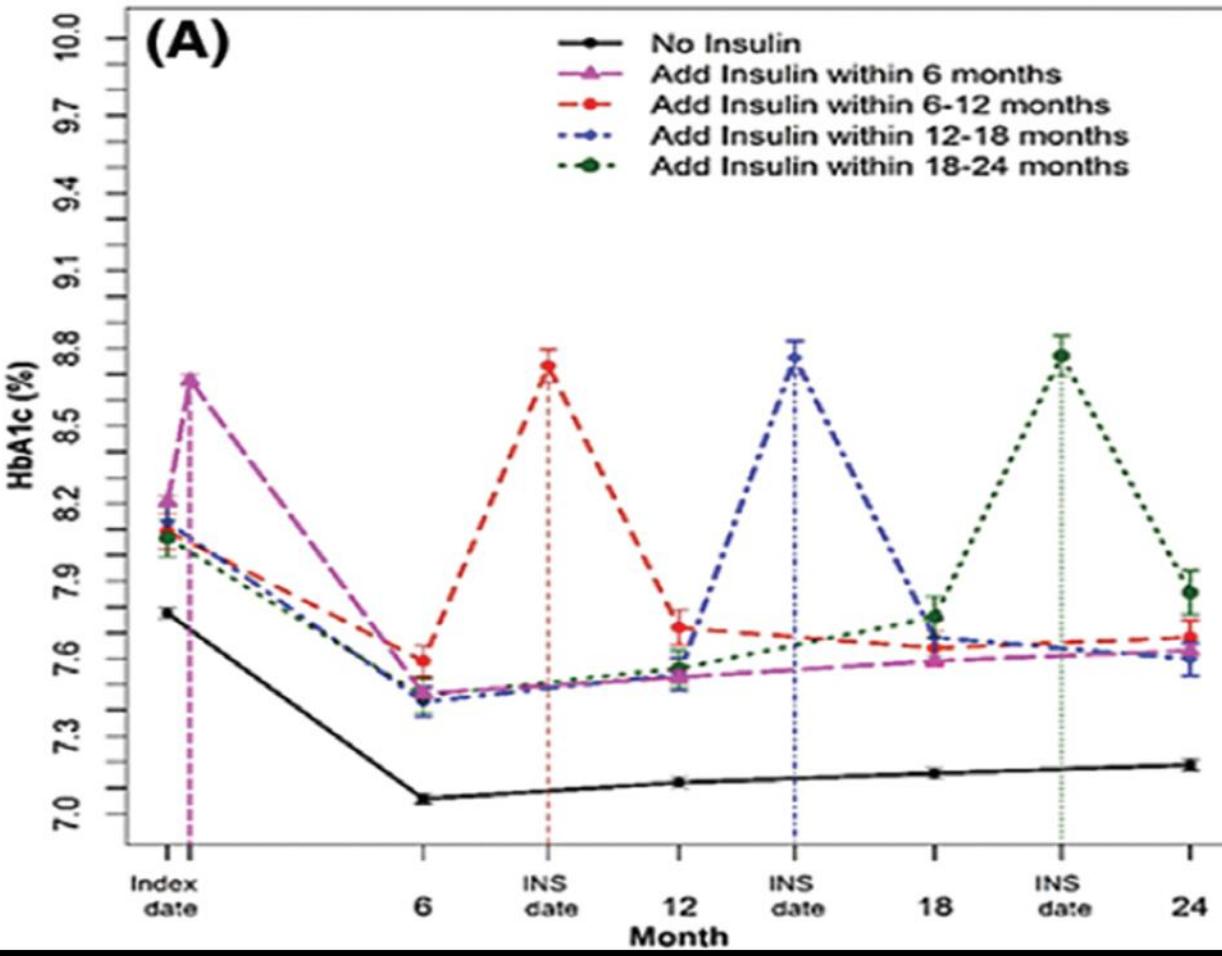


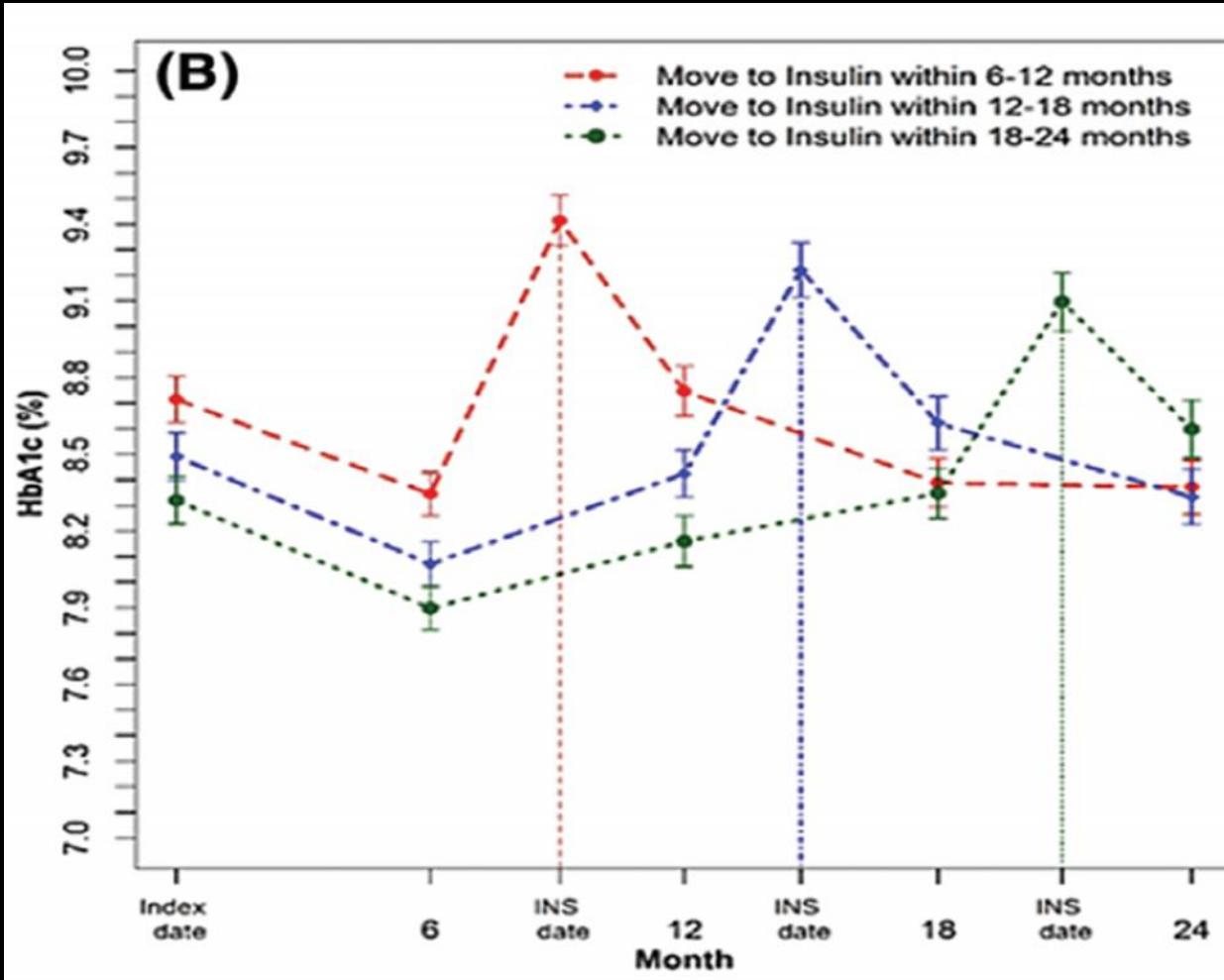
Addition of or switch to insulin therapy in people treated with glucagon-like peptide-1 receptor agonists: A real-world study in 66 583 patients

Olga Montvida MSc^{1,2} | Keren aftali Klein PhD¹ | Sudhesh Kumar MD³ |
Kamlesh Khunti PhD⁴ | Sanjoy K. Paul PhD¹

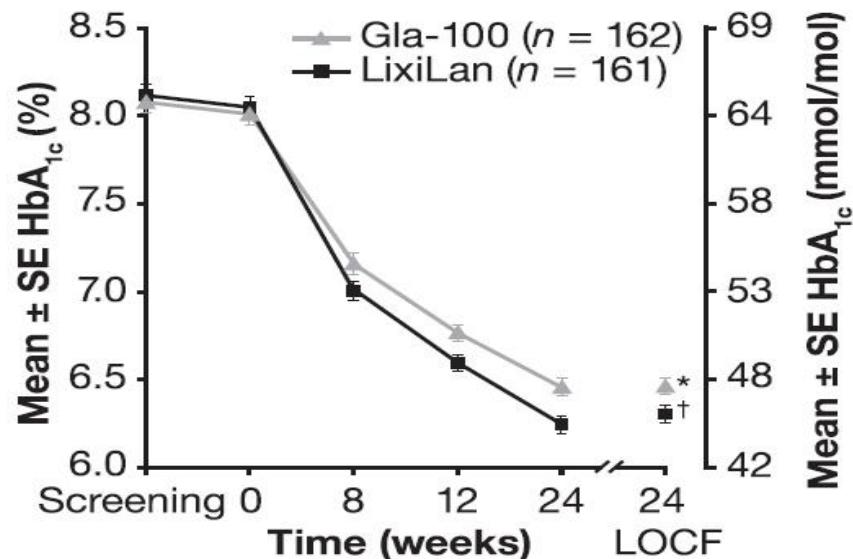


Diabetes Obes Metab 2017; 19(1):108–117

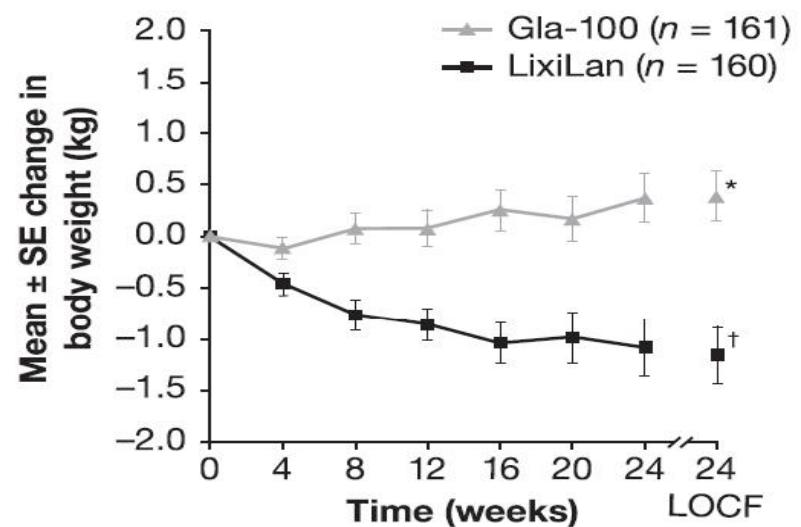


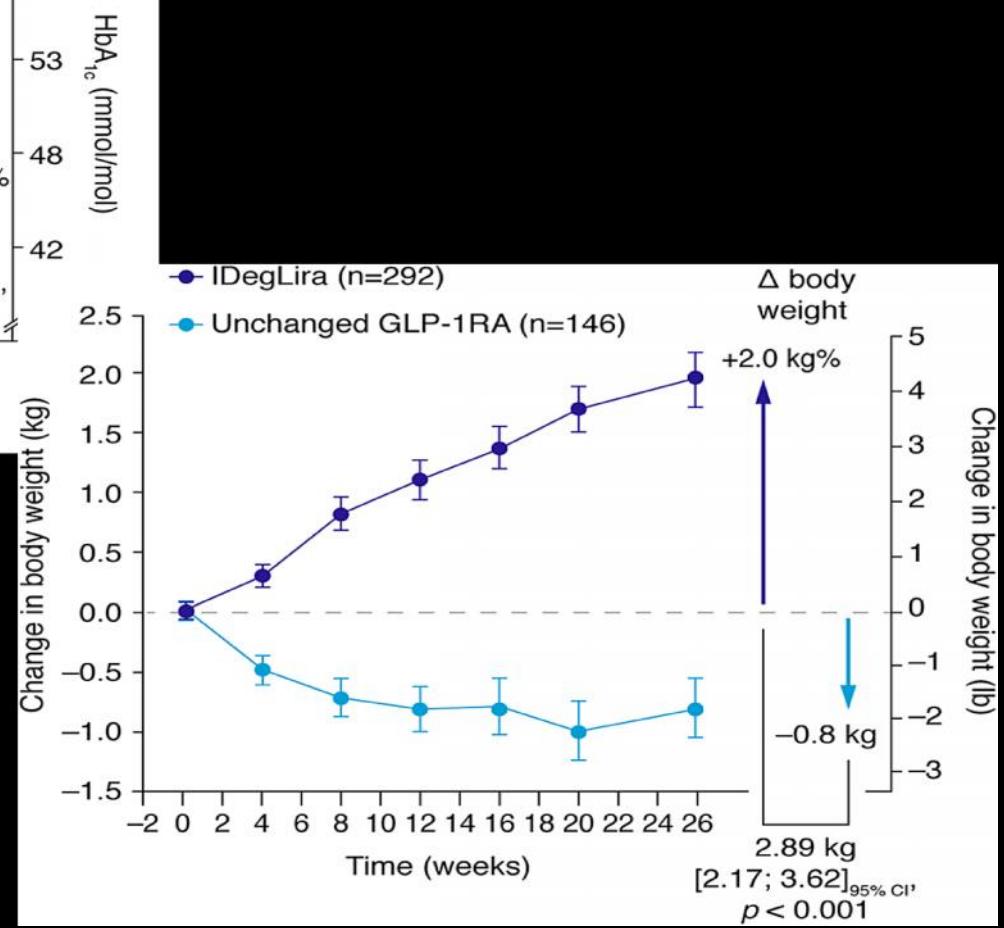
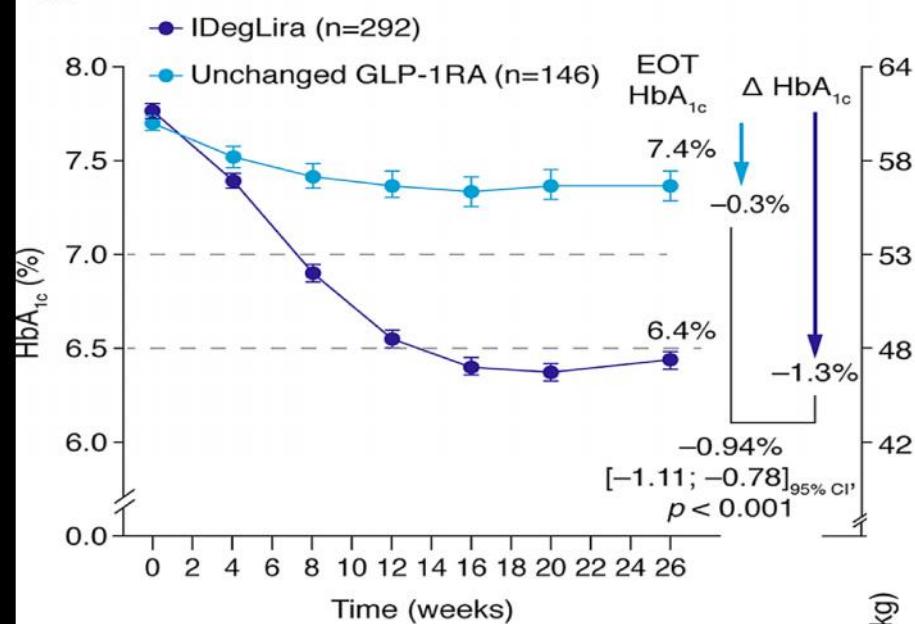


A LS mean difference for LixiLan versus
Gla-100: -0.17 (95% CI: $-0.31, -0.04$) %
[-1.9 (95% CI: $-3.4, -0.4$) mmol/mol]; $P = 0.01$



B

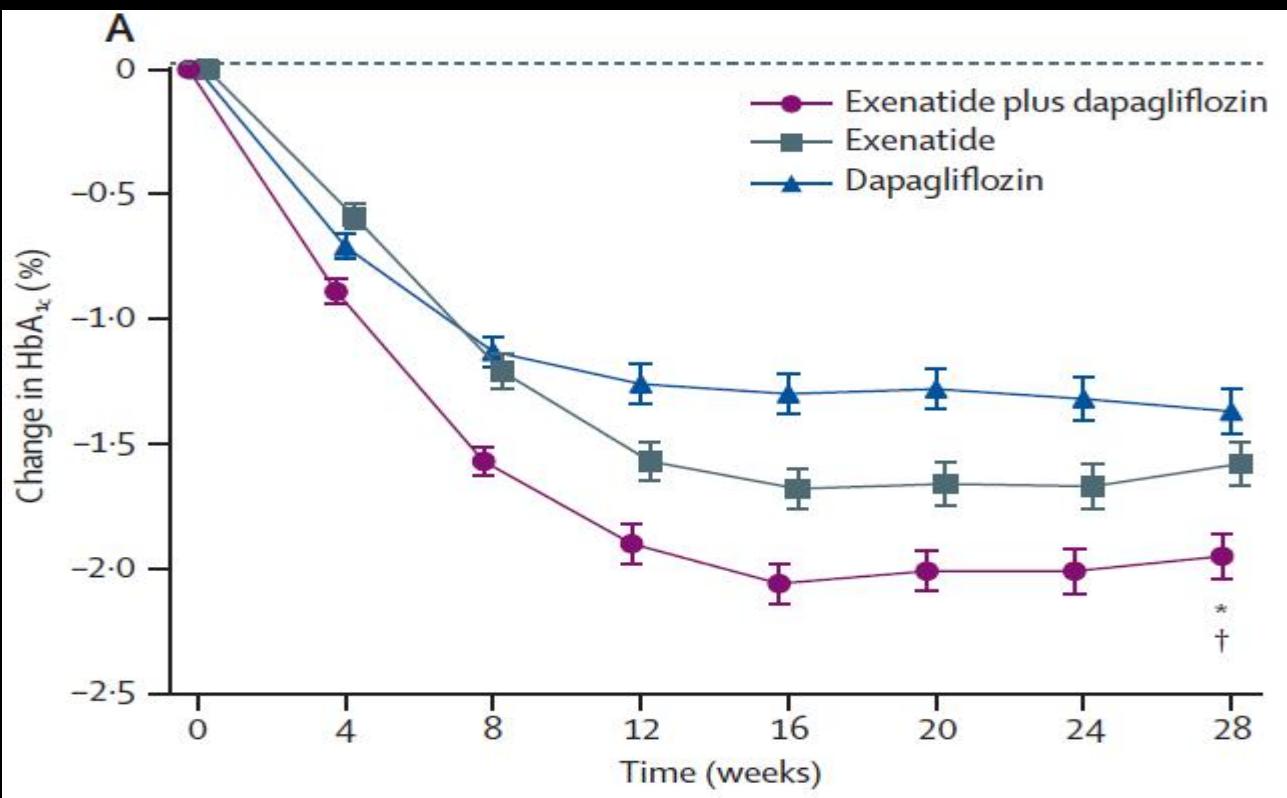


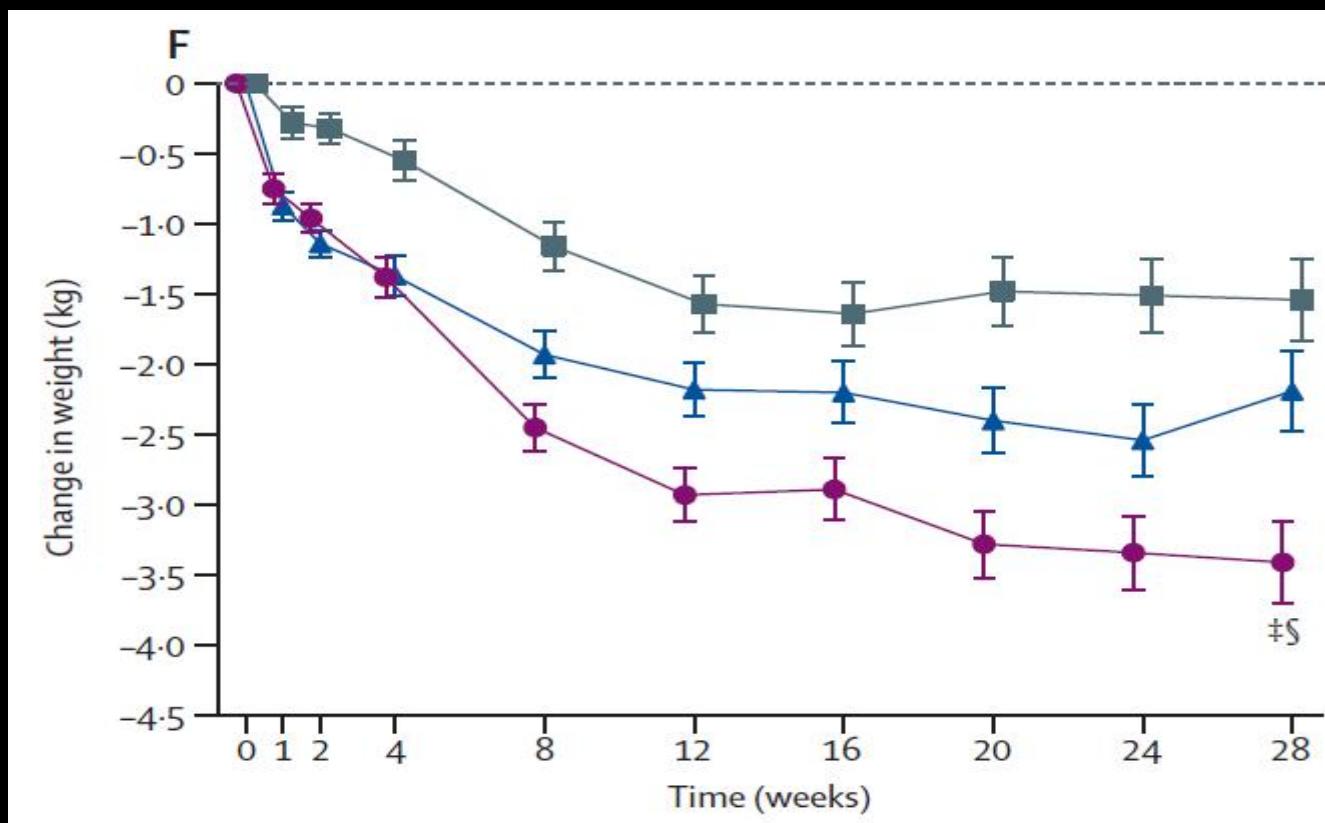
A



Exenatide once weekly plus dapagliflozin once daily versus exenatide or dapagliflozin alone in patients with type 2 diabetes inadequately controlled with metformin monotherapy (DURATION-8): a 28 week, multicentre, double-blind, phase 3, randomised controlled trial

*Juan P Frias, Cristian Guja, Elise Hardy, Azazuddin Ahmed, Fang Dong, Peter Öhman, Serge A Jabbour**









ABOUT US
TAD TALK EVENTS
TAD TALK 2016
TAD TALK VIDEOS
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TAD TALK 2017

What to expect?

Following the success and overwhelming response from last year's event, we will be hosting the second Talking About Diabetes (TAD) event on **Saturday 22 April**.

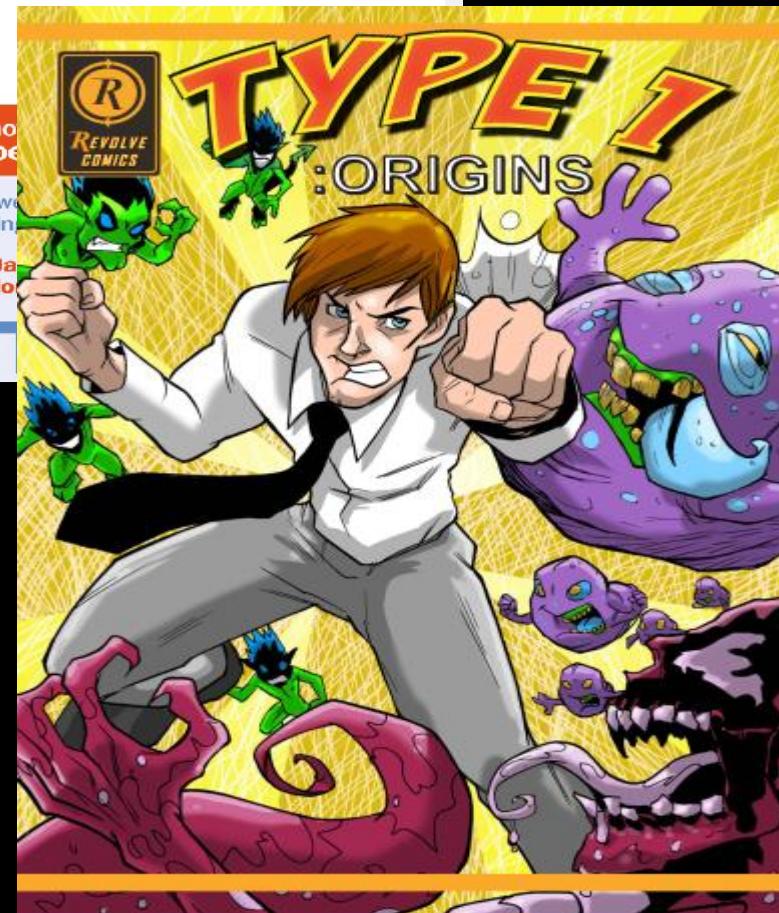
Please join us for a series of inspirational and empowering talks at the TAD 2017 event. Here you will have the chance to engage with several high profile speakers whose lives have been impacted by type 1 diabetes (T1D) and hear first hand, the challenges and successes they have experienced. This day is for anyone who wants to learn more about the achievements of others with T1D and be confident that the condition is not a barrier to great success.

We're back! Sign up now
Talking About Diabetes

Inspirational and empower high-profile speakers living

Saturday 22 April, 9:30am
Birkbeck College, London

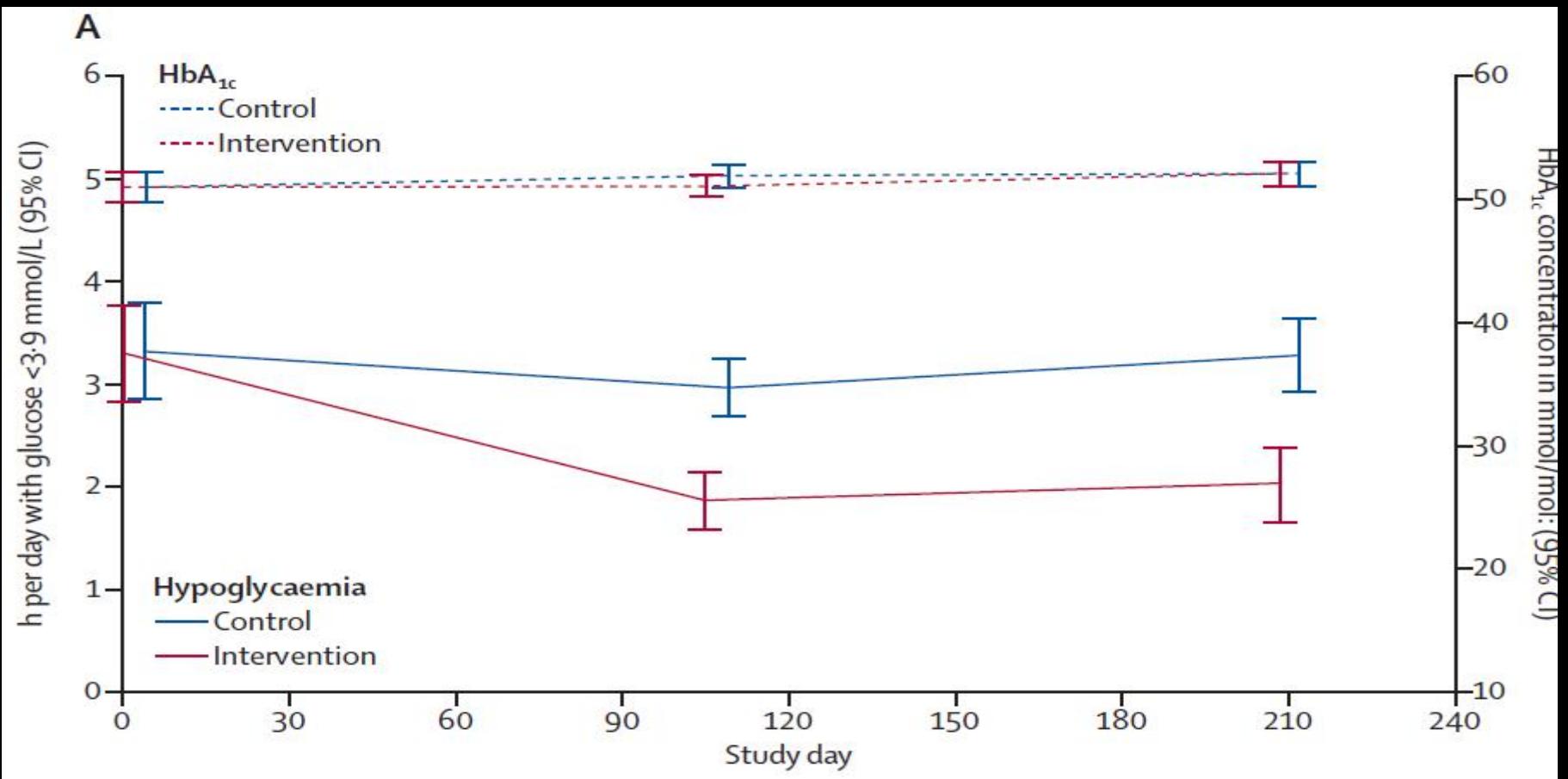
For more information
and to register:
www.high5events.co.uk/TAD17

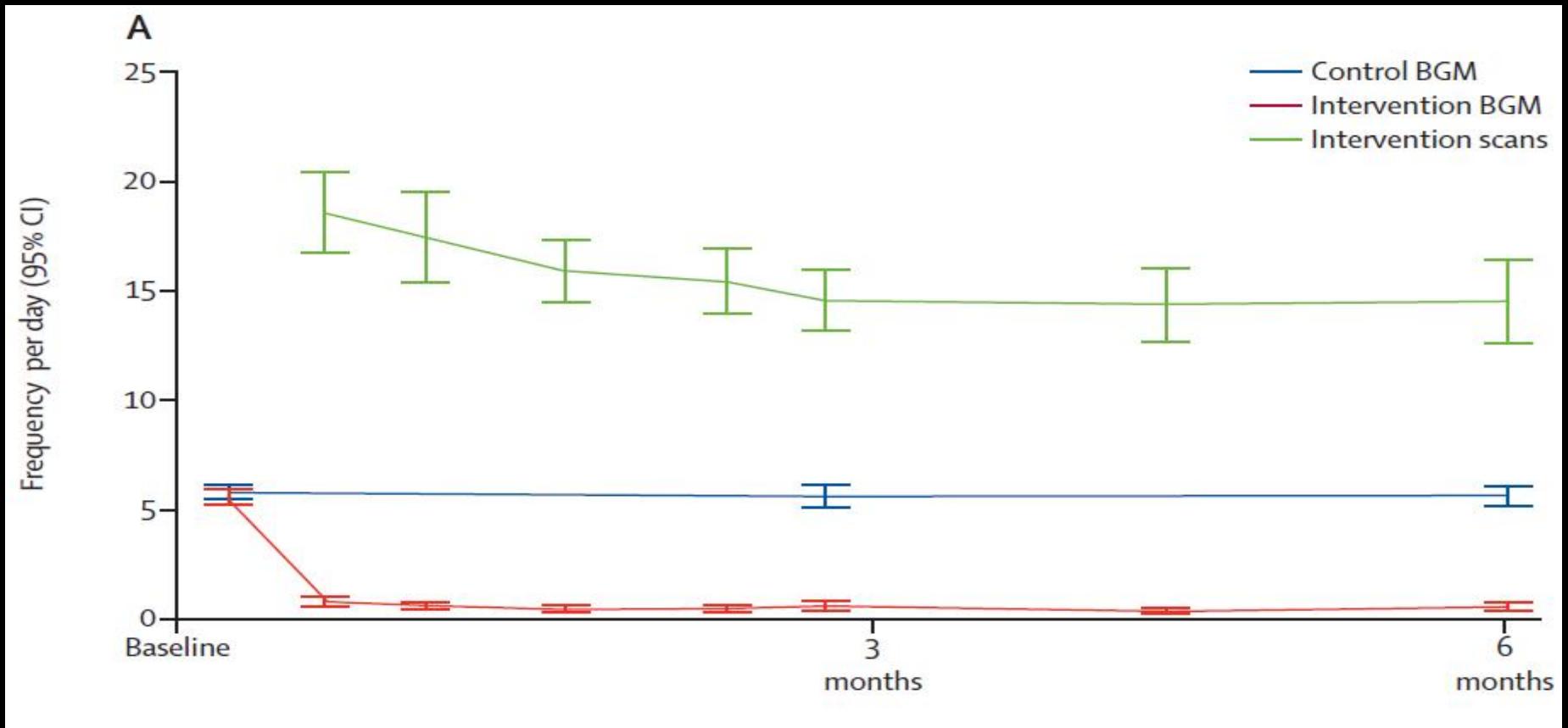




Novel glucose-sensing technology and hypoglycaemia in type 1 diabetes: a multicentre, non-masked, randomised controlled trial

Jan Bolinder, Ramiro Antuna, Petronella Geelhoed-Duijvestijn, Jens Kröger, Raimund Weitgasser





Letters

DOI: 10.1111/dme.13315

Flash Glucose Monitoring is associated with improved glycaemic control but use is largely limited to more affluent people in a UK diabetes centre

Diabet. Med. 34, 732 (2017)

JAMA | Original Investigation

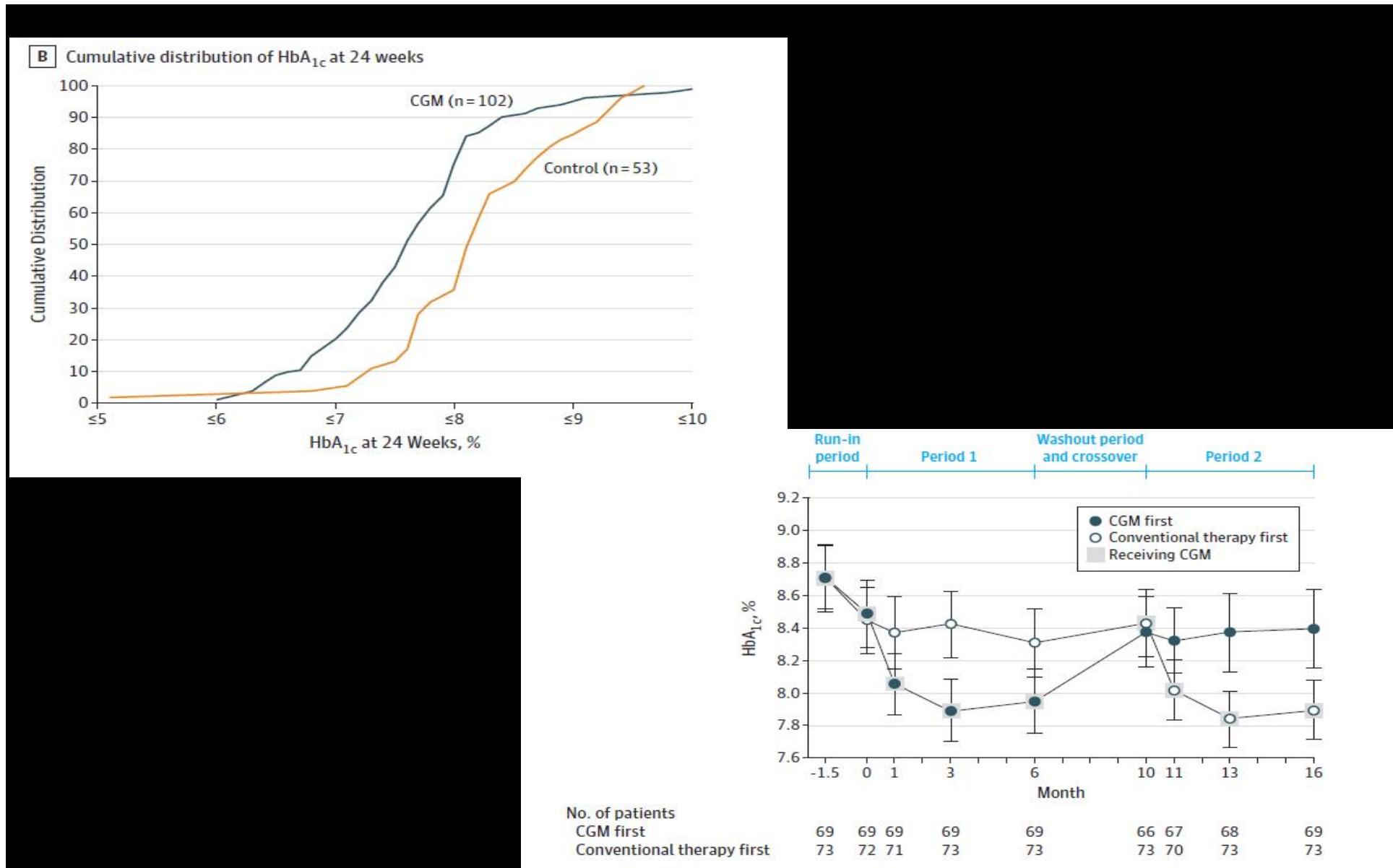
Effect of Continuous Glucose Monitoring on Glycemic Control in Adults With Type 1 Diabetes Using Insulin Injections The DIAMOND Randomized Clinical Trial

Roy W. Beck, MD, PhD; Tonya Riddlesworth, PhD; Katrina Ruedy, MSPH; Andrew Ahmann, MD;
Richard Bergenstal, MD; Stacie Haller, RD, LD, CDE; Craig Kollman, PhD; Davida Kruger, MSN, APN-BC;
Janet B. McGill, MD; William Polonsky, PhD; Elena Toschi, MD; Howard Wolpert, MD; David Price, MD;
for the DIAMOND Study Group

JAMA | Original Investigation

Continuous Glucose Monitoring vs Conventional Therapy for Glycemic Control in Adults With Type 1 Diabetes Treated With Multiple Daily Insulin Injections The GOLD Randomized Clinical Trial

Marcus Lind, MD, PhD; William Polonsky, PhD; Irl B. Hirsch, MD; Tim Heise, MD; Jan Bolinder, MD, PhD;
Sofia Dahlqvist; Erik Schwarz, MD, PhD; Arndís Finna Ólafsdóttir, RN; Anders Frid, MD, PhD; Hans Wedel, PhD;
Elsa Ahlén, MD; Thomas Nyström, MD, PhD; Jarl Hellman, MD



Day-and-night glycaemic control with closed-loop insulin

Diabetes Care Volume 39, July 2016

1151

del
free
an



Lia Ball
Malgorz

Day-and-Night Closed-Loop

Gluco
Type
Condi
1-MoI
With
Feasil
Night

Diabetes Care



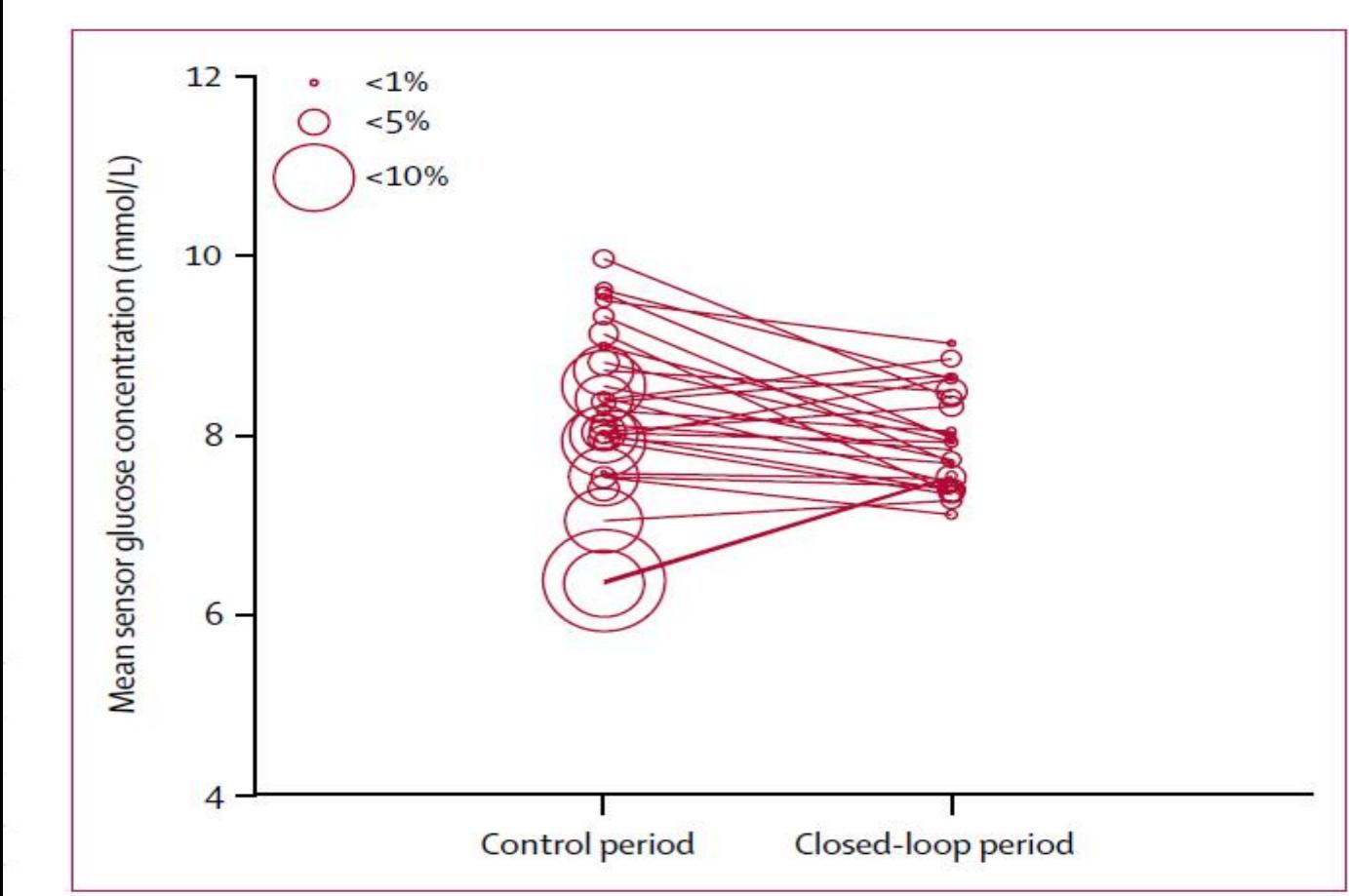
Eric Renard,¹ Anne Farret,¹ Jort Kropff,²
¹ Paris, France; ² Paris, France

The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

Closed-Loop Insulin Delivery during Pregnancy in Women with Type 1 Diabetes

Zoe A. Stewart, M.D., Malgorzata E. Wilinska, Ph.D., Sara Hartnell, B.Sc.,
Rosemary C. Temple, M.D., Gerry Rayman, M.D., Katharine P. Stanley, M.D.,
David Simmons, M.D., Graham R. Law, Ph.D., Eleanor M. Scott, M.D.,
Roman Hovorka, Ph.D., and Helen R. Murphy, M.D.



Letters

RESEARCH LETTER

Safety of a Hybrid Closed-Loop Insulin Delivery System in Patients With Type 1 Diabetes

Closed-loop artificial pancreas technology uses a control algorithm to automatically adjust insulin delivery based on subcutaneous sensor data to improve diabetes management. Currently available systems stop insulin in response to existing¹ or predicted² low sensor glucose values, whereas hybrid closed-loop systems combine user-delivered premeal boluses with automatic interprandial insulin delivery.³ This study investigated the safety of a hybrid closed-loop system in patients with type 1 diabetes.

124 patients
5% increase in time in target range







Closed-loop insulin delivery in inpatients with type 2 diabetes: a randomised, parallel-group trial

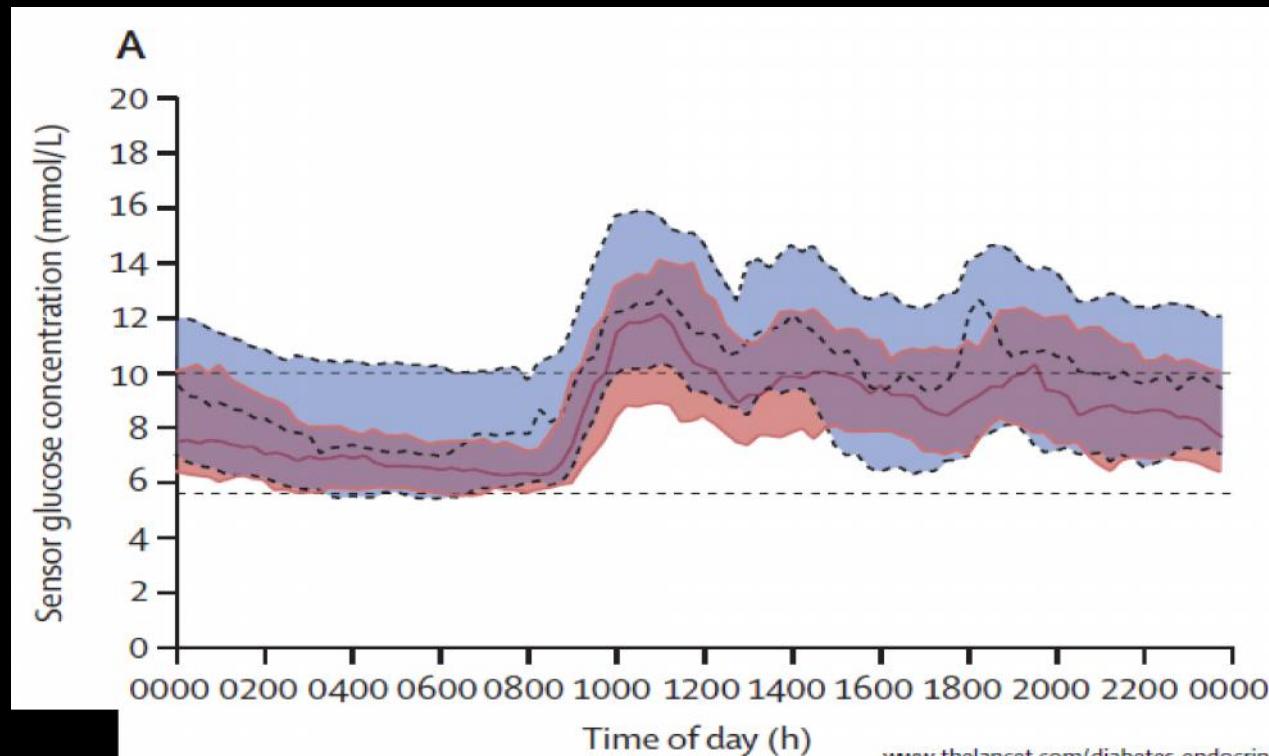
Hood Thabit, Sara Hartnell, Janet M Allen, Andrea Lake, Małgorzata E Wilinska, Yue Ruan, Mark L Evans, Anthony P Coll, Roman Hovorka



Closed-loop insulin delivery in inpatients with type 2 diabetes: a randomised, parallel-group trial



Hood Thabit, Sara Hartnell, Janet M Allen, Andrea Lake, Małgorzata E Wilinska, Yue Ruan, Mark L Evans, Anthony P Coll, Roman Hovorka



Efficacy of sitagliptin for the hospital management of general medicine and surgery patients with type 2 diabetes (Sita-Hospital): a multicentre, prospective, open-label, non-inferiority randomised trial



Francisco J Pasquel, Roma Gianchandani, Daniel J Rubin, Kathleen M Dungan, Isabel Anzola, Patricia C Gomez, Limin Peng, Israel Hodish, Tim Bodnar, David Wesorick, Vijay Balakrishnan, Kwame Osei, Guillermo E Umpierrez

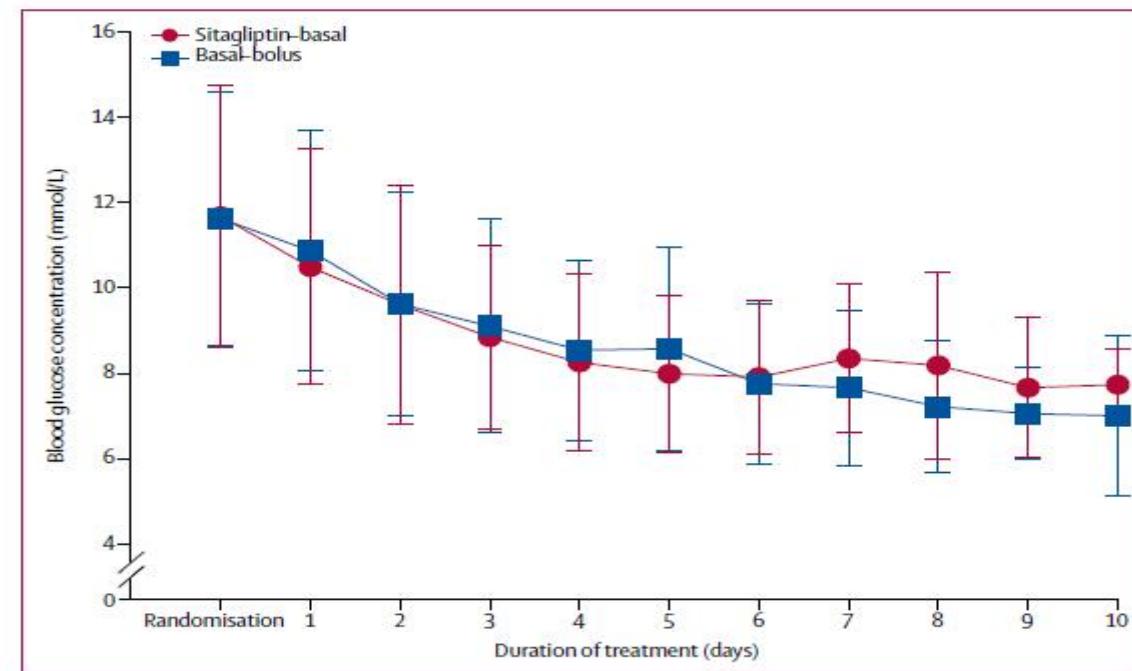
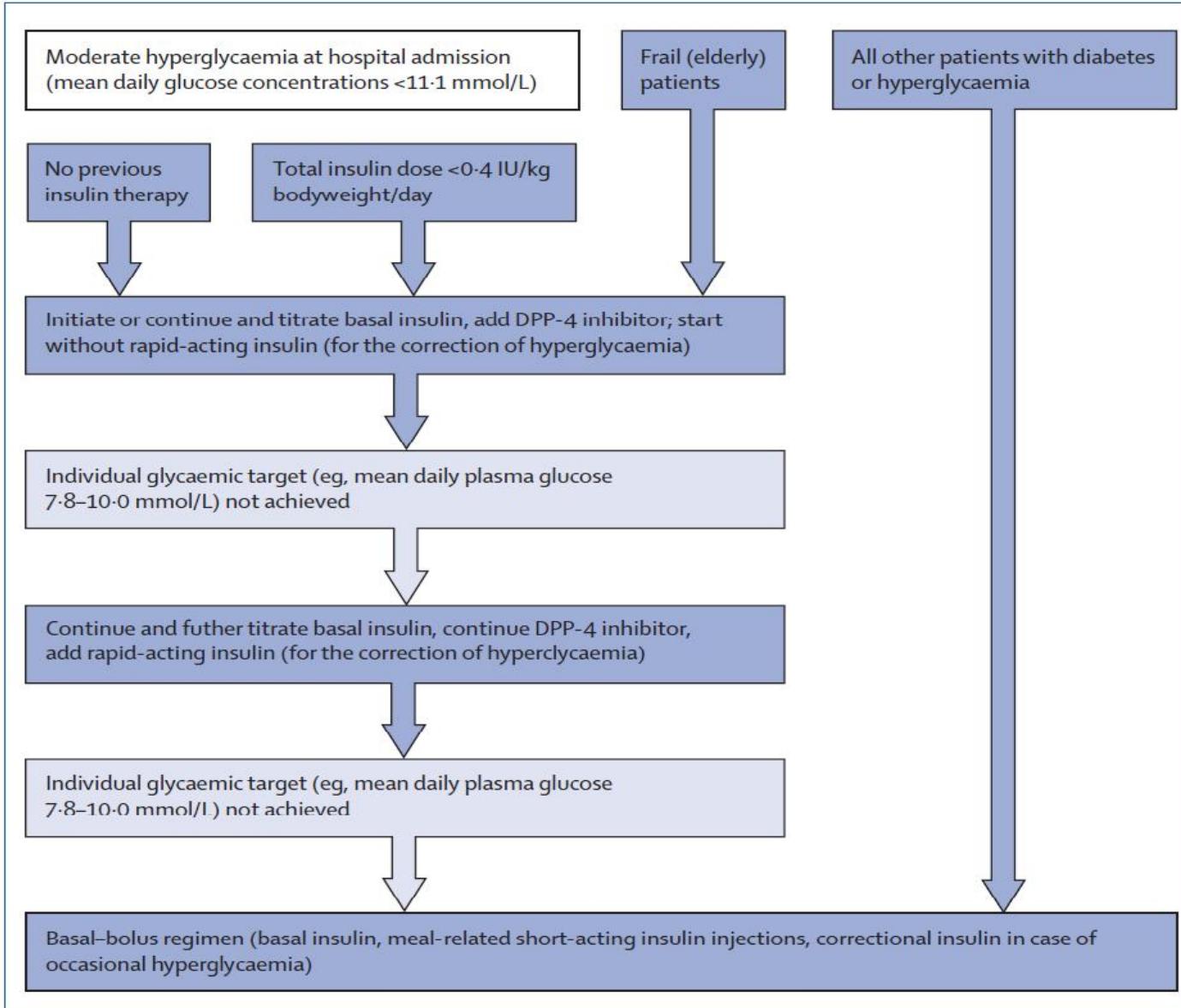


Figure 2: Mean daily blood glucose concentrations



Trends in hospital admissions for hypoglycaemia in England: a retrospective, observational study



Francesco Zaccardi, Melanie J Davies, Nafeesa N Dhalwani, David R Webb, Gemma Housley, Dominic Shaw, James W Hatton, Kamlesh Khunti

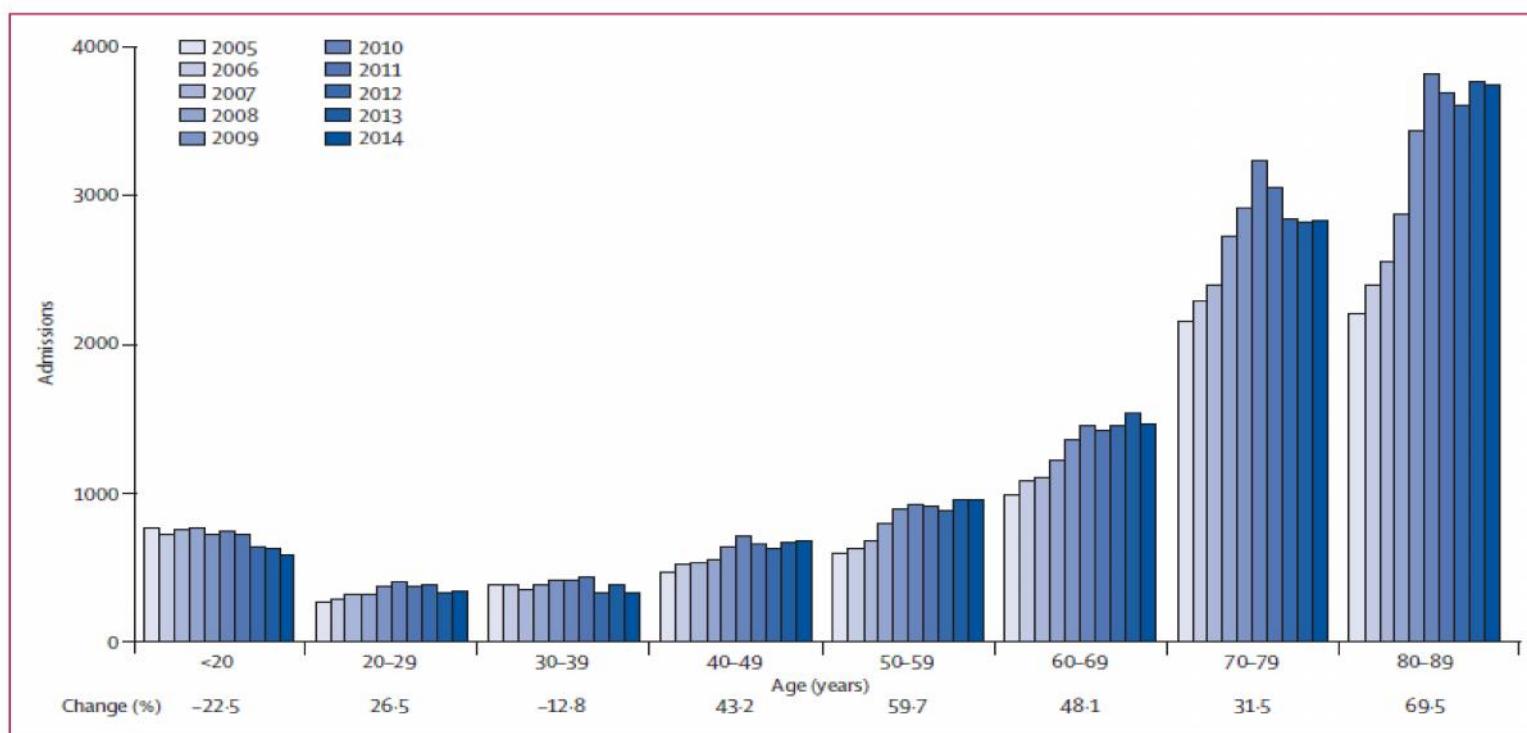
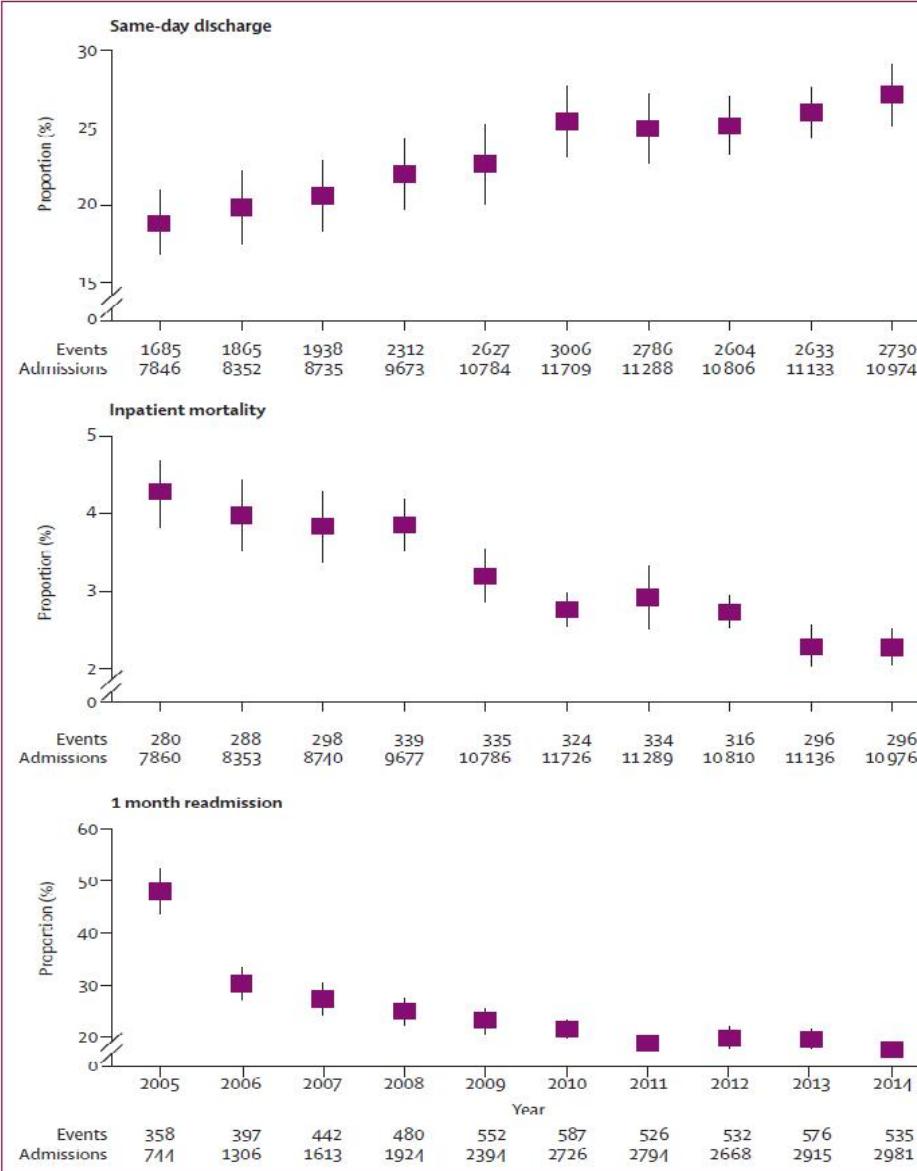


Figure 1: Crude hospital admissions for hypoglycaemia, England, 2005-14
Change given as number of admissions in 2014 versus those in 2005.



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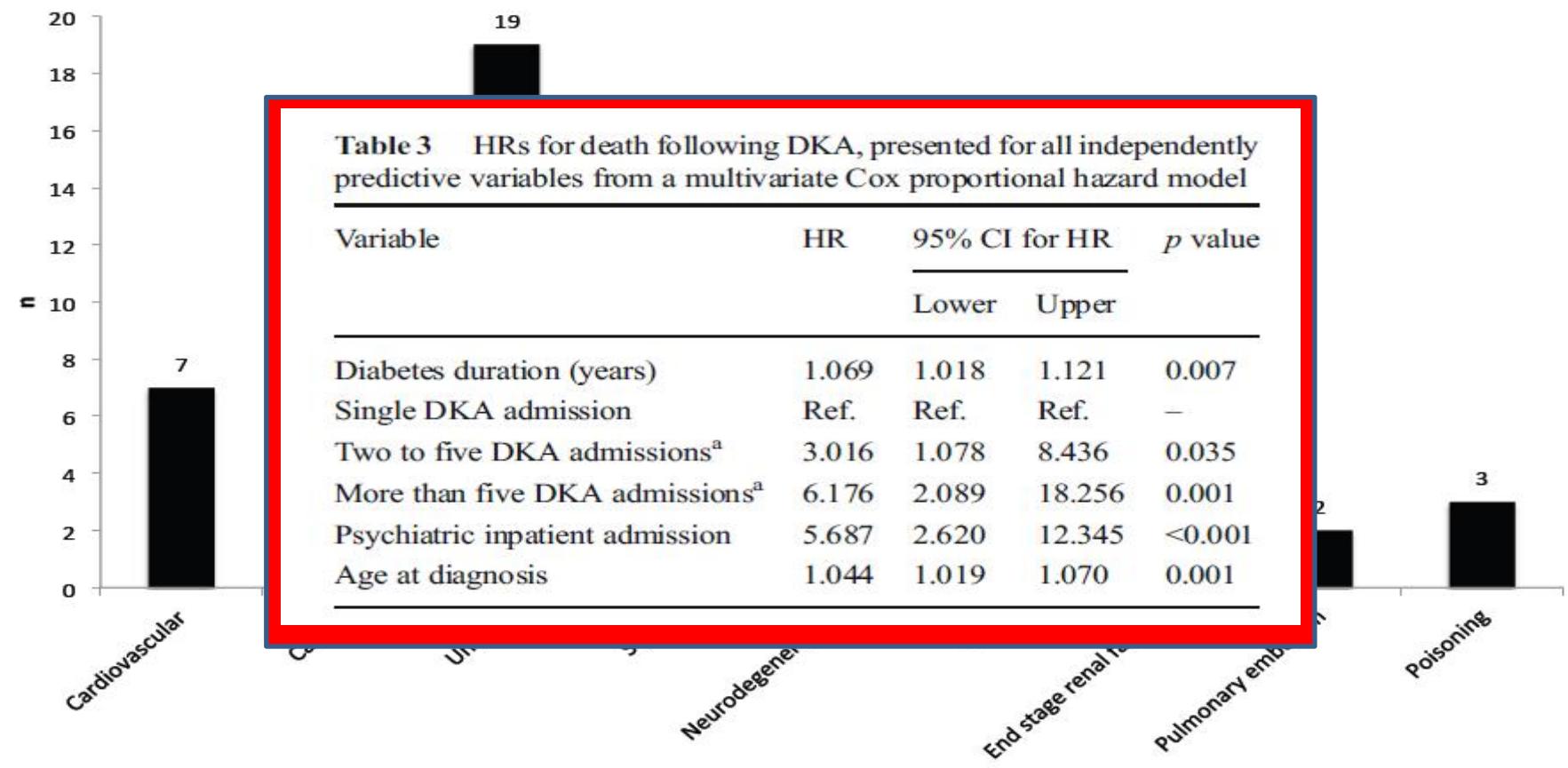
Risk of death following admission to a UK hospital with diabetic ketoacidosis

Fraser W. Gibb¹ • Wei Leng Teoh¹ • Joanne Graham² • K. Ann Lockman²

	Single admission (n = 96)	2 – 5 admissions (n = 111)	More than 5 admissions (n = 64)	P
Total admissions	1	3 (2 – 4)	10 (8 – 15)	<0.001
Diabetes duration at final follow-up admission (years)	7.6 (2.3 – 13.6)	9.5 (6.9 – 16.0)	12.8 (10.0 – 17.5)	<0.001
Age at final follow-up admission (years)	31 (23 – 42)	27 (20 – 43)	25 (22 – 36)	0.079
Age at diabetes diagnosis (years)	24 (16 – 34)	16 (12 – 29)	14 (9 – 23)	<0.001
Length of stay at last DKA admission (days)	2 (1 – 3)	2 (1 – 4)	2 (2 – 4)	0.367
SIMD rank	2723 (1559 – 4310)	3023 (1366 – 4288)	1825 (813 – 3346)	0.005
Cardiovascular disease present prior to inclusion in study (%)	7.3	13.5	7.8	0.265
Cardiovascular disease present at last DKA admission (%)	7.3	15.3	15.6	0.154
HbA1c (mmol/mol) [%]	79 (66 – 96) [9.4 (8.2 – 10.9)]	92 (76 – 115) [10.6 (9.1 – 12.7)]	103 (89 – 108) [11.6 (10.3 – 12.0)]	<0.001
Hydrogen ion at last DKA (nmol/L)	72 (57 – 109)	72 (54 – 103)	77 (57 – 104)	0.767
Lactate at last DKA (mmol/L)	3.2 (2.1 – 5.1)	3.2 (2.2 – 4.3)	3.4 (2.2 – 4.6)	0.813
Glucose at last DKA (mmol/L)	35.1 (26.0 – 44.1)	28.9 (22.2 – 38.9)	36.0 (27.3 – 44.3)	0.005
Urea at last DKA (mmol/L)	9.1 (6.5 – 12.9)	8.4 (6.1 – 11.6)	8.2 (6.3 – 11.4)	0.474
Creatinine at last DKA admission (μmol/L)	134 (102 – 189)	119 (95 – 156)	118 (89 – 148)	0.036
White cell count at last DKA (x10 ⁹ /L)	19.4 (13.1 – 27.6)	18.3 (11.8 – 24.4)	15.4 (10.9 – 22.4)	0.098

Table 3 HRs for death following DKA, presented for all independently predictive variables from a multivariate Cox proportional hazard model

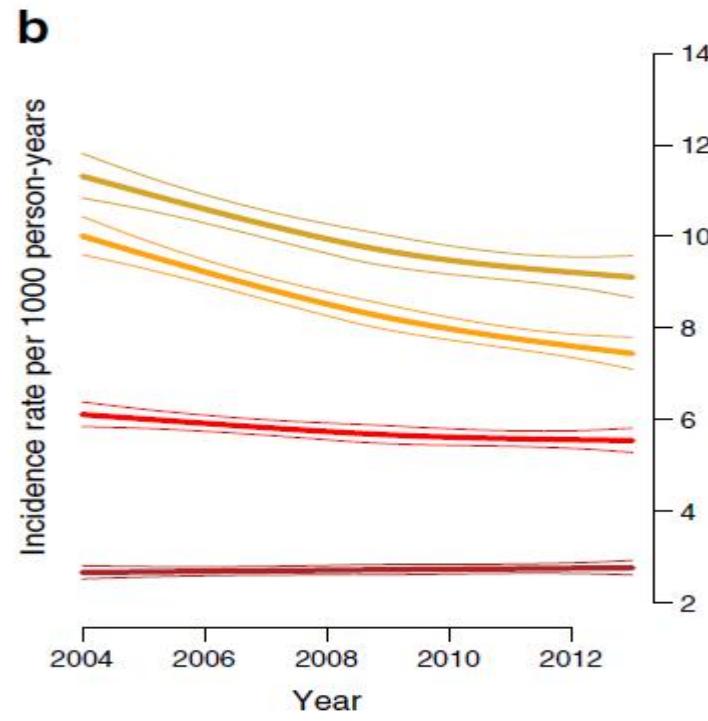
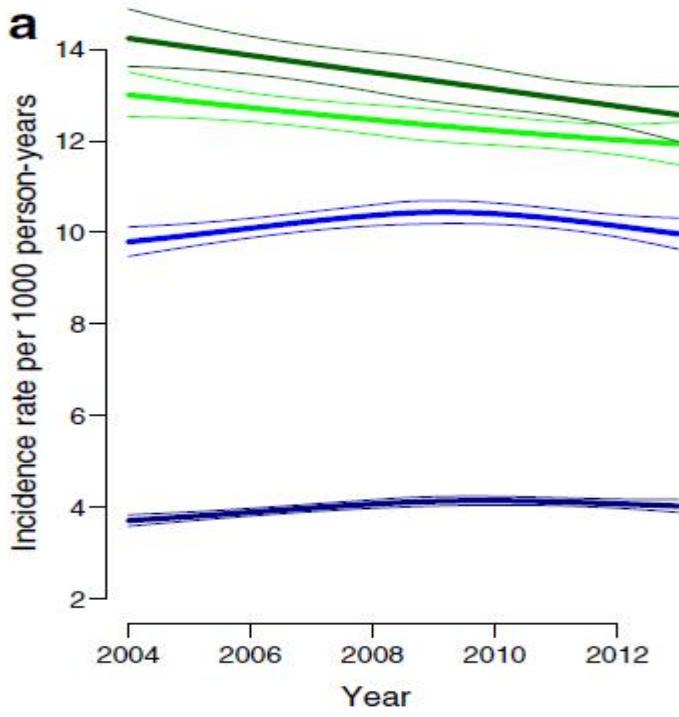
Variable	HR	95% CI for HR		<i>p</i> value
		Lower	Upper	
Diabetes duration (years)	1.069	1.018	1.121	0.007
Single DKA admission	Ref.	Ref.	Ref.	—
Two to five DKA admissions ^a	3.016	1.078	8.436	0.035
More than five DKA admissions ^a	6.176	2.089	18.256	0.001
Psychiatric inpatient admission	5.687	2.620	12.345	<0.001
Age at diagnosis	1.044	1.019	1.070	0.001



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Trends in type 2 diabetes incidence and mortality in Scotland between 2004 and 2013

Stephanie H. Read¹ · Joannes J. Kerssens² · David A. McAllister¹ · Helen M. Colhoun³ ·
Colin M. Fischbacher² · Robert S. Lindsay⁴ · Rory J. McCrimmon⁵ ·
John A. McKnight⁶ · John R. Petrie⁴ · Naveed Sattar⁴ · Sarah H. Wild¹ · On behalf of the
Scottish Diabetes Research Network Epidemiology Group



Incidence, prevalence and mortality of type 2 diabetes requiring glucose-lowering treatment, and associated risks of cardiovascular complications: a nationwide study in Sweden, 2006–2013

Anna Norhammar^{1,2} · Johan Bodegård³ · Thomas Nyström⁴ · Marcus Thuresson⁵ ·
Jan W. Eriksson⁶ · David Nathanson⁴

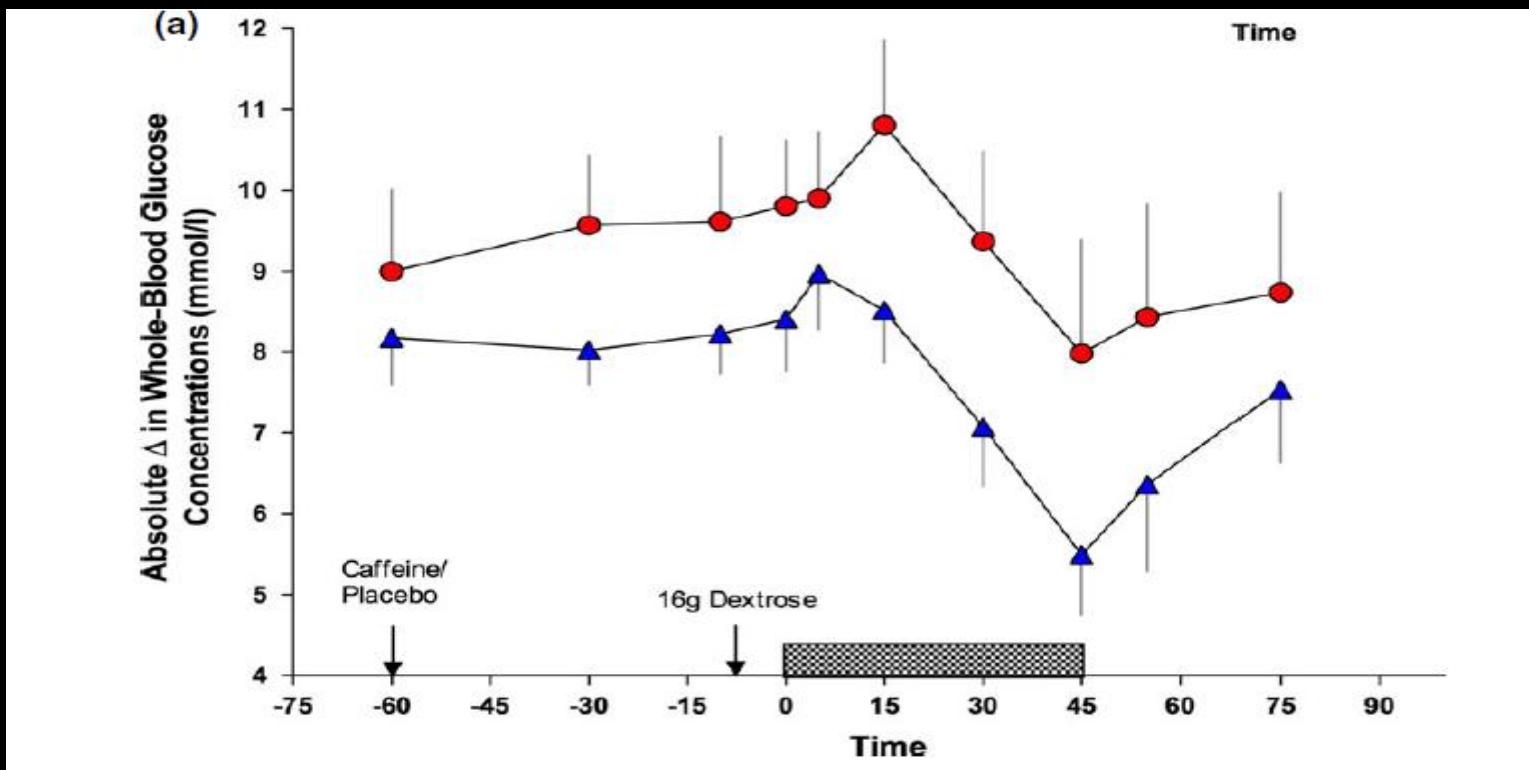
	2006	2007	2008	2009	2010	2011	2012	2013	Change (%) from 2006 to 2013	<i>p</i> for trend
Swedish population, <i>n</i>	7,574,846	7,650,473	7,723,931	7,800,212	7,861,268	7,909,176	7,953,511	8,006,339	5.7	<0.001
Type 2 diabetes population ^a , <i>n</i>	207,303	227,837	249,495	270,284	293,013	313,599	334,360	352,436	70.0	<0.001
Prevalence (%)	2.7	3.0	3.2	3.5	3.7	4.0	4.2	4.4	60.8	<0.001
Swedish population ^b , <i>n</i>	7,388,283	7,443,170	7,496,094	7,550,717	7,590,984	7,616,163	7,639,912	7,671,979	3.8	<0.001
Incident type 2 diabetes population ^c , <i>n</i>	34,020	29,261	31,226	30,966	33,332	31,853	32,411	30,620	-10.0	0.865
Incidence per 100,000, <i>n</i>	460	393	417	410	439	418	424	399	-13.3	0.436
Deaths in type 2 diabetes population ^d , (<i>n</i> , %)	8,727	9,568	10,177	10,603	11,267	11,650	12,544	12,733	-14.2	<0.001
	(4.2)	(4.2)	(4.1)	(3.9)	(3.8)	(3.7)	(3.8)	(3.6)		



Research: Metabolism

Effects of acute caffeine supplementation on reducing exercise-associated hypoglycaemia in individuals with Type 1 diabetes mellitus

D. P. Zaharieva, L. A. Miadovnik, C. P. Rowan, R. J. Gumieniak, V. K. Jamnik and M. C. Riddell

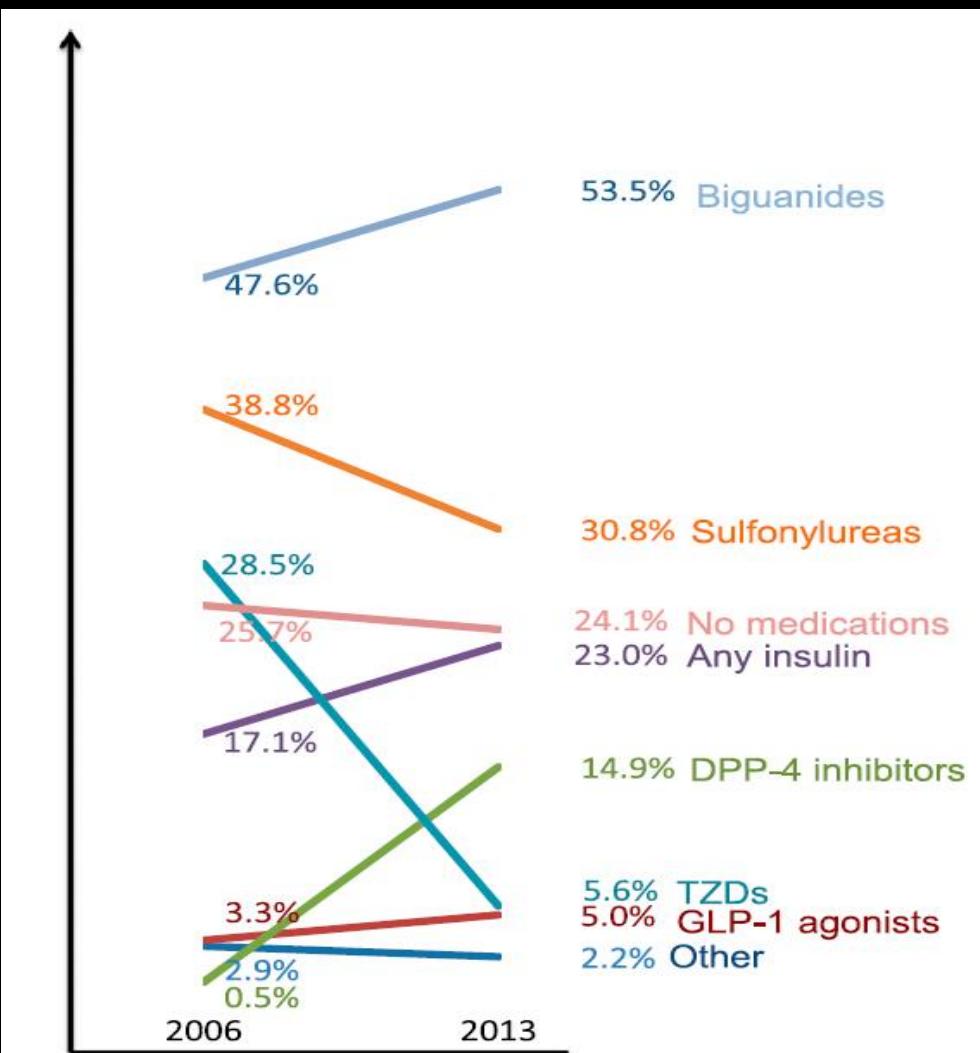


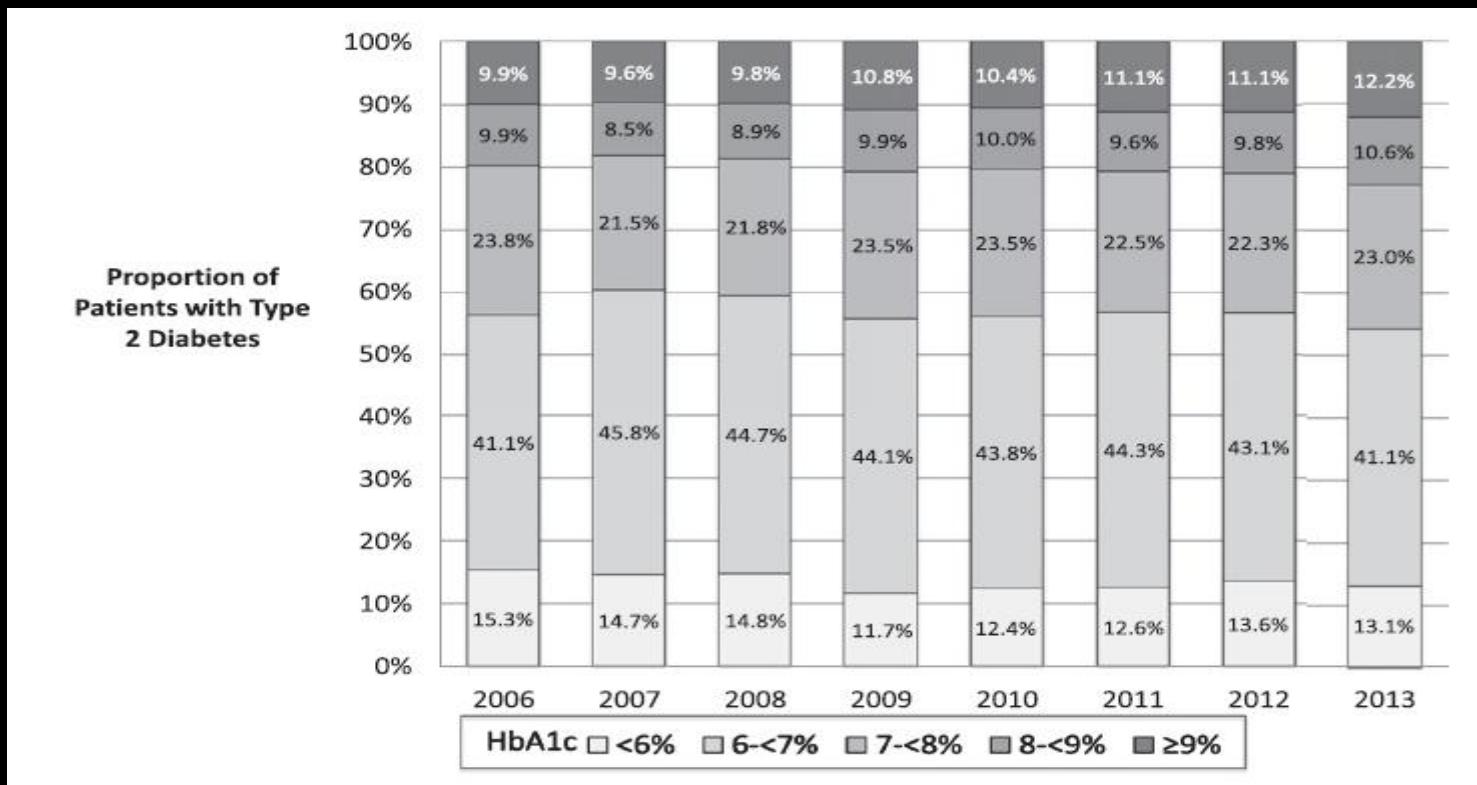


Trends in Drug Utilization, Glycemic Control, and Rates of Severe Hypoglycemia, 2006–2013

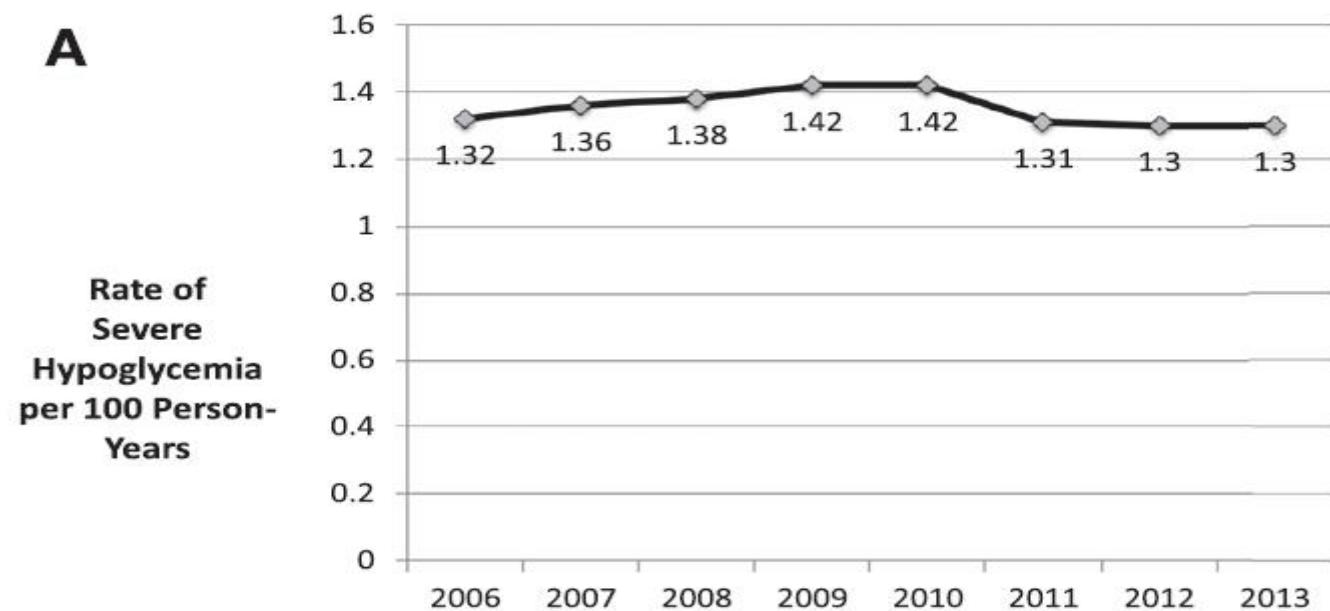
Diabetes Care 2017;40:468–475 | DOI: 10.2337/dc16-0985

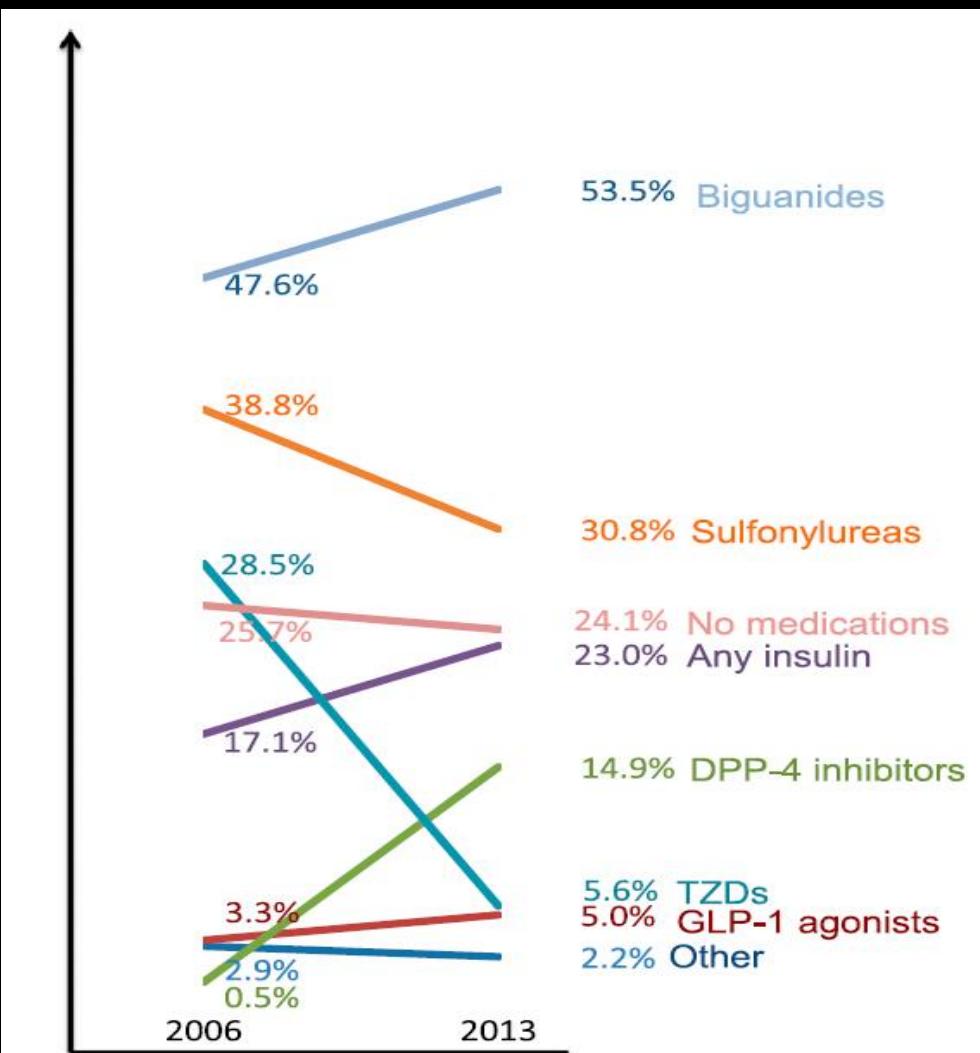
Kasia J. Lipska,¹ Xiaoxi Yao,^{2,3} Jeph Herrin,⁴
Rozalina G. McCoy,^{2,3,5} Joseph S. Ross,^{6,7}
Michael A. Steinman,⁸ Silvio E. Inzucchi,¹
Thomas M. Gill,⁹ Harlan M. Krumholz,^{4,7}
and Nilay D. Shah^{2,3,10}





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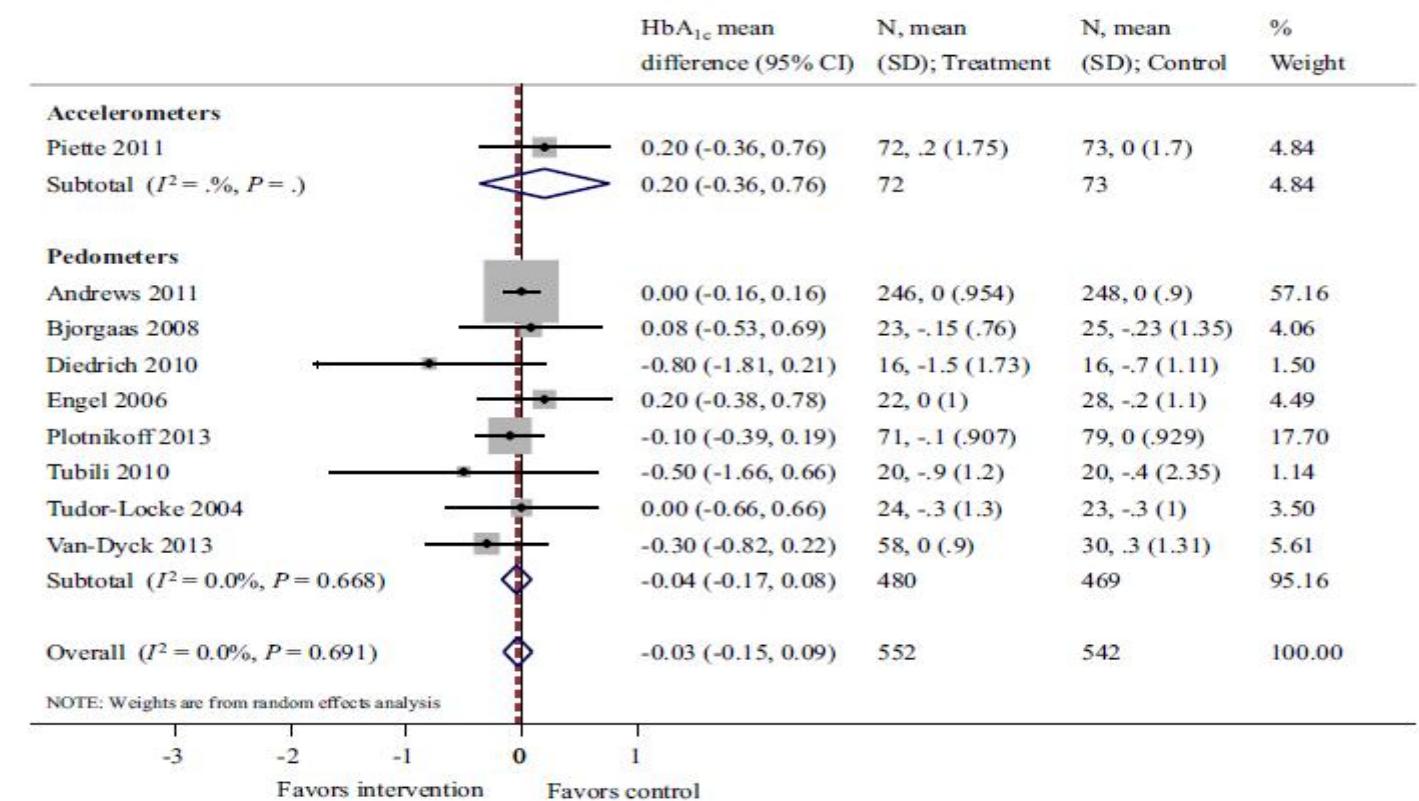
Systematic Review or Meta-analysis

Impact of accelerometer and pedometer use on physical activity and glycaemic control in people with Type 2 diabetes: a systematic review and meta-analysis

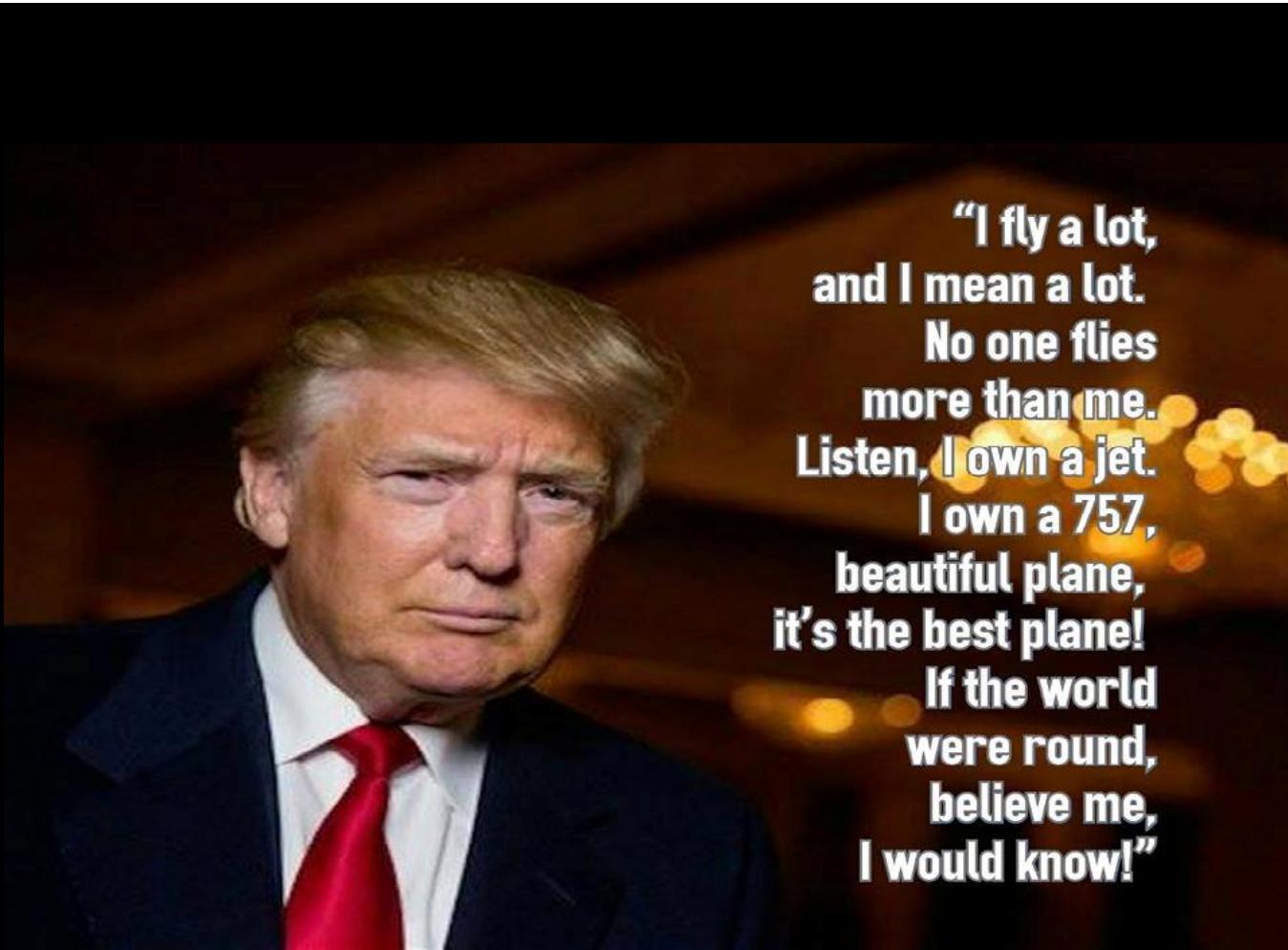
R. Baskerville¹, I. Ricci-Cabello¹, N. Roberts² and A. Farmer¹

¹Nuffield Department of Primary Care Health Sciences and ²Bodleian Libraries, University of Oxford, Oxford, UK

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**"I fly a lot,
and I mean a lot.
No one flies
more than me.
Listen, I own a jet.
I own a 757,
beautiful plane,
it's the best plane!
If the world
were round,
believe me,
I would know!"**













