



Μεταβολικό σύνδρομο και υπερουριχαιμία σε ασθενείς με χρόνιες φλεγμονώδεις παθήσεις

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Ρέθυμνο, 5 Οκτωβρίου 2025



ΠΑΝΕΠΙΣΤΗΜΙΑΚΟ ΓΕΝΙΚΟ
ΝΟΣΟΚΟΜΕΙΟ ΑΛΕΞΑΝΔΡΟΥΠΟΛΗΣ

Δήλωση συμφερόντων

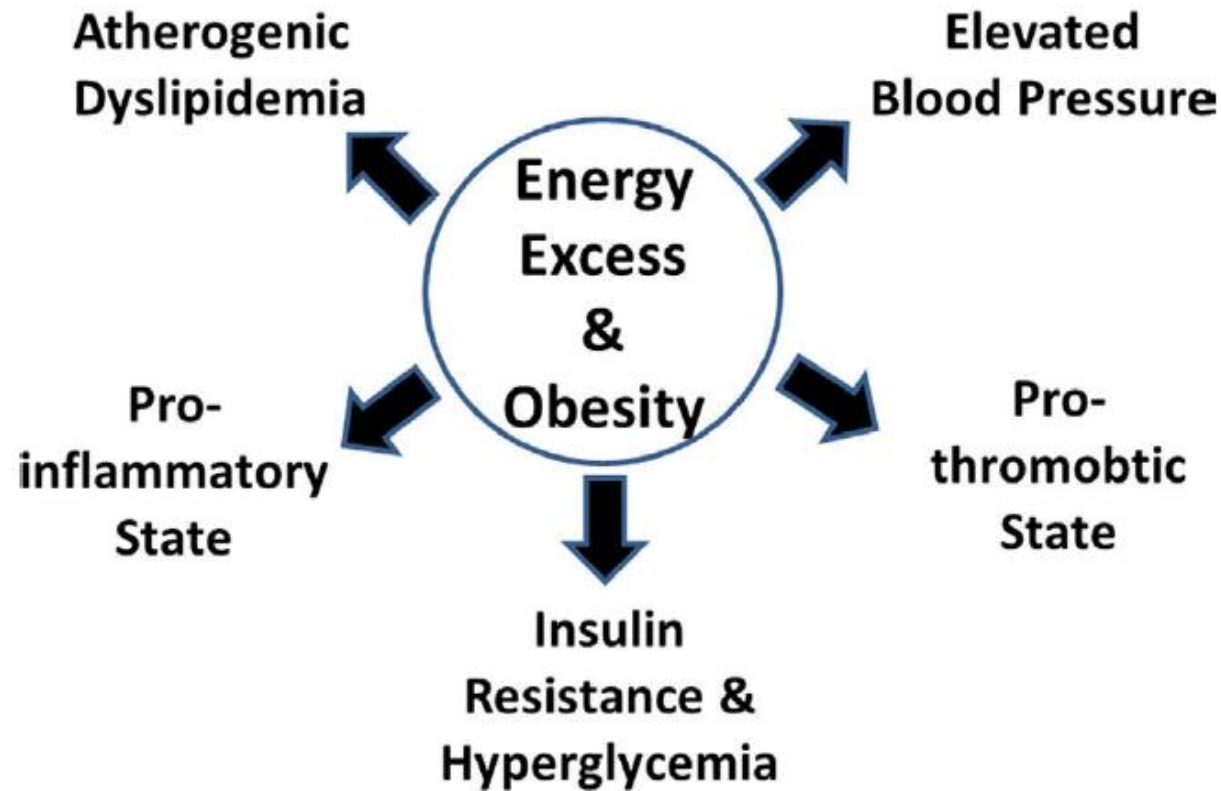
Δεν υπάρχει κάποια σύγκρουση συμφερόντων για αυτήν την ομιλία

Το μεταβολικό σύνδρομο

TABLE 2. Criteria for Clinical Diagnosis of Metabolic Syndrome

Measure (any 3 of 5 constitute diagnosis of metabolic syndrome)	Categorical Cutpoints
Elevated waist circumference*†	≥102 cm (≥40 inches) in men ≥88 cm (≥35 inches) in women
Elevated triglycerides	≥150 mg/dL (1.7 mmol/L) or On drug treatment for elevated triglycerides‡
Reduced HDL-C	<40 mg/dL (1.03 mmol/L) in men <50 mg/dL (1.3 mmol/L) in women or On drug treatment for reduced HDL-C‡
Elevated blood pressure	≥130 mm Hg systolic blood pressure or ≥85 mm Hg diastolic blood pressure or On antihypertensive drug treatment in a patient with a history of hypertension
Elevated fasting glucose	≥100 mg/dL or On drug treatment for elevated glucose

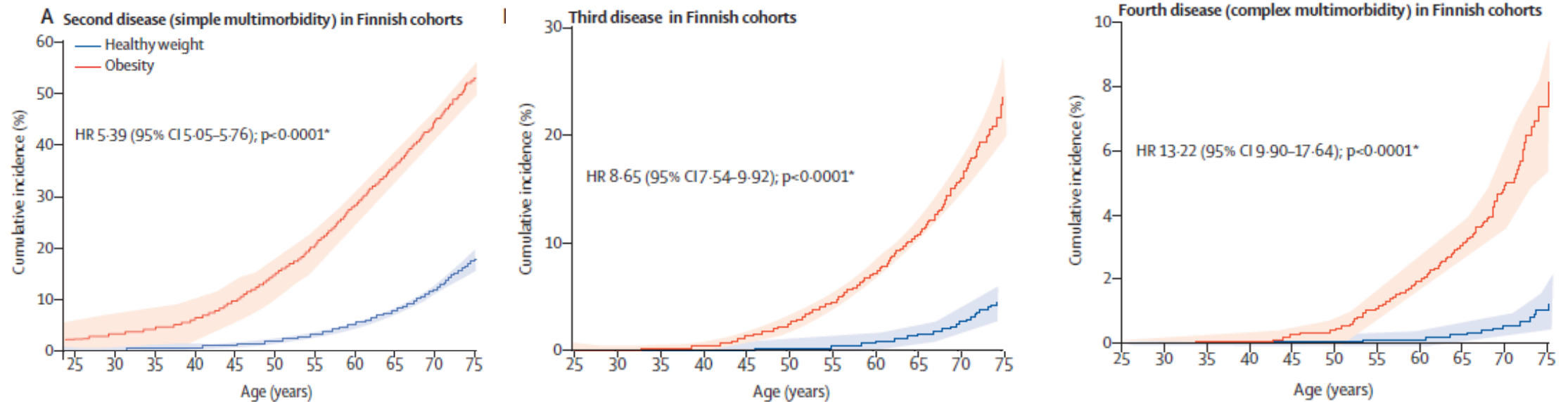
Η παχυσαρκία είναι ο σημαντικότερος παράγων



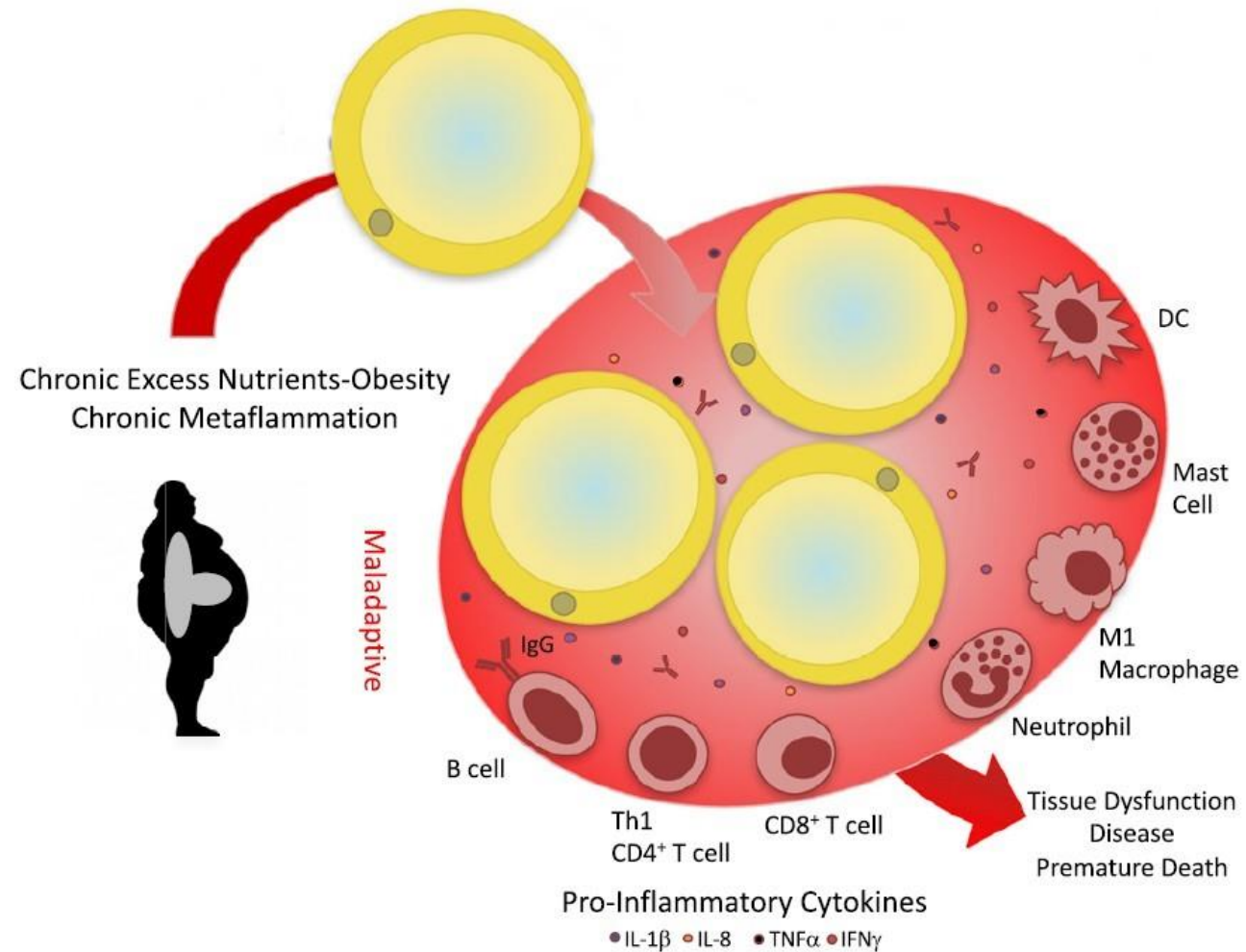
Συσχέτιση μεταξύ παχυσαρκίας, 78 παθήσεων & θανάτου

Disease category (ICD-10 chapter)	ICD-10 code	HR (95% CI)*	
		Finnish cohorts	UK Biobank cohort
Infections	A01-B89	2.01 (1.84-2.19)	1.37 (1.32-1.42)
Cancer	C00-C97	1.08 (1.01-1.16)	1.06 (1.04-1.08)
Diseases of the blood	D50-D89	1.78 (1.47-2.16)	1.42 (1.36-1.47)
Endocrine diseases	E00-E35	8.30 (7.78-8.86)	2.04 (1.90-2.18)
Mental and behavioural disorders	F00-F99	1.08 (0.97-1.20)	1.33 (1.19-1.48)
Diseases of the nervous system	G00-G99	1.85 (1.74-1.97)	1.49 (1.38-1.61)
Diseases of the eye	H00-H59	1.20 (1.12-1.28)	4.31 (3.10-5.99)
Diseases of the ear	H60-H99	1.19 (1.01-1.40)	5.27 (4.00-6.95)
Diseases of the circulatory system	I00-I99	1.47 (1.40-1.54)	2.71 (2.54-2.90)
		Rheumatoid arthritis and related disorders	M05-M06, M08, M13, M30-M35
		Gout†	M10
		Osteoarthritis†	M15-M19
		Sciatica	M50-M51
		Back pain†	M54
		Soft tissue disorders	M60-M79
Diseases of the respiratory system	J00-J99	1.35 (1.27-1.44)	1.71 (1.60-1.82)
Diseases of the digestive system	K00-K93	1.57 (1.50-1.65)	1.85 (1.54-2.23)
Diseases of the skin	L00-L99	2.03 (1.76-2.34)	1.20 (1.11-1.29)
Diseases of the musculoskeletal system	M00-M99	1.41 (1.36-1.47)	1.65 (1.62-1.68)
Disease of the genitourinary system	N00-N99	1.20 (1.14-1.26)	1.39 (1.36-1.43)
Death		1.32 (1.20-1.45)	1.25 (1.22-1.29)

Η παχυσαρκία είναι παράγων κινδύνου για πολυσυννοσηρότητα



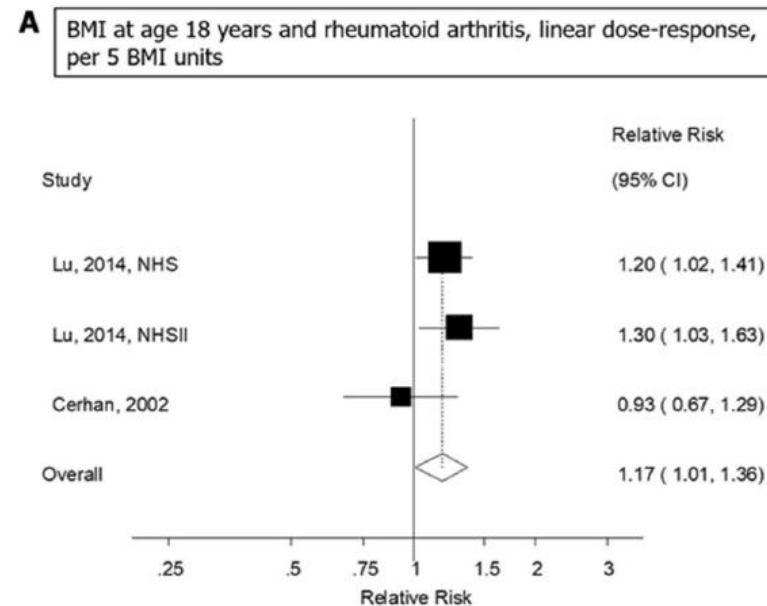
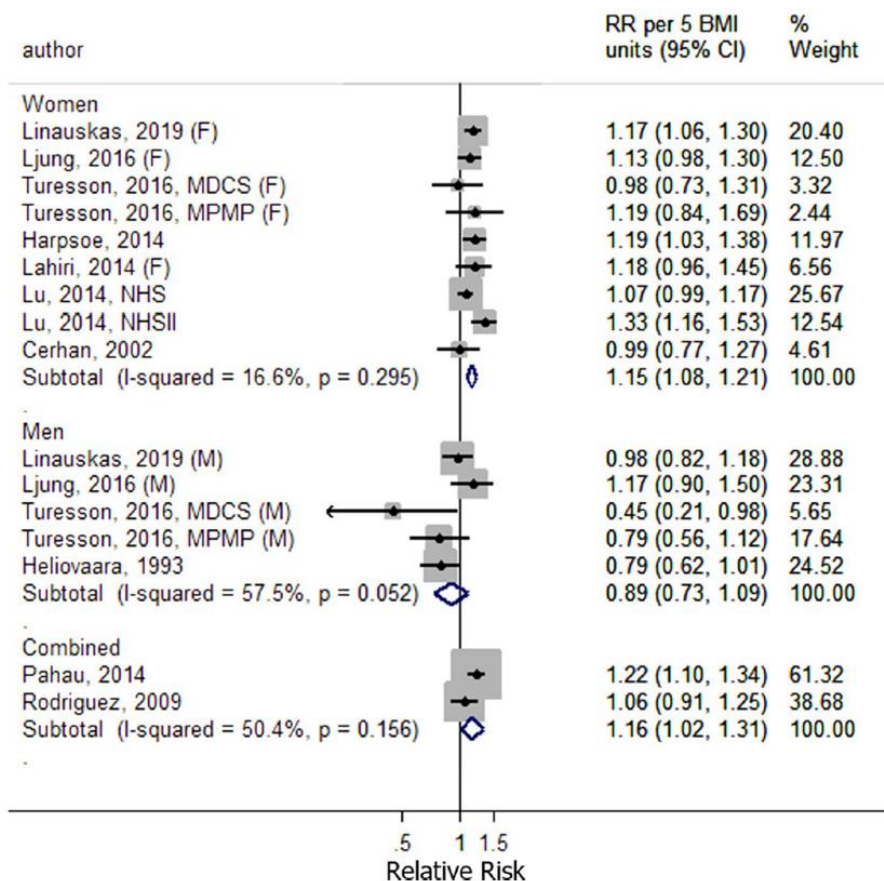
Η παχυσαρκία έχει ανοσολογικές προεκτάσεις



Είναι η παχυσαρκία παράγων κινδύνου για ρευματικές παθήσεις;

Adiposity and the risk of rheumatoid arthritis: a systematic review and meta-analysis of cohort studies

Tomoya Ohno^{1,4}, Dagfinn Aune^{1,2,3,5} & Alicia K. Heath^{1,5}



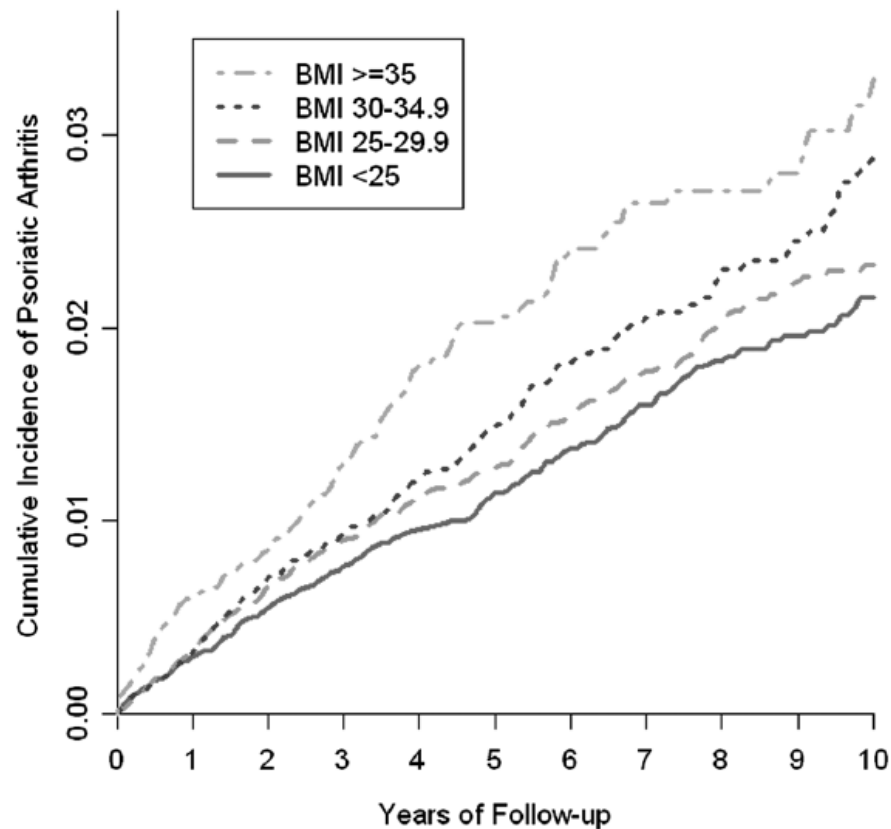


Figure 1 Time to psoriatic arthritis according to body mass index (BMI) category among patients with psoriasis (N=75 395).

Table 2 Age and multivariate-adjusted RR for the association of adiposity measurements with risk of psoriatic arthritis among all participants*

	Cases	Person-years	Age-adjusted RR (95% CI)	Multivariate-adjusted RR† (95% CI)
Updated BMI (kg/m ²)	146	1 231 693		
<25.0	40	703 190	1.00	1.00
25.0–29.9	35	297 149	1.88 (1.19 to 2.96)	1.83 (1.15 to 2.89)
30.0–34.9	28	133 146	3.22 (1.98 to 5.26)	3.12 (1.90 to 5.11)
≥35.0	43	98 208	6.60 (4.26 to 10.23)	6.46 (4.11 to 10.16)
p for trend			<0.0001	<0.0001
BMI at age 18 years (kg/m ²)	145	1 222 076		
<21.0	67	701 559	1.00 (0.64 to 1.58)	1.04 (0.66 to 1.64)
21.0–22.9	26	272 700	1.00	1.00
23.0–24.9	24	125 453	2.01 (1.15 to 3.50)	1.93 (1.11 to 3.37)
25.0–29.9	17	93 857	1.88 (1.02 to 3.46)	1.74 (0.94 to 3.21)
≥30.0	11	28 508	4.07 (2.01 to 8.24)	3.55 (1.75 to 7.23)
p for trend			<0.0001	<0.0001
Weight change from age 18 years (lb)	145	1 222 076		
Loss or increase of <20.0	32	563 364	1.00	1.00
Increase of 20.0–49.9	45	435 087	1.68 (1.06 to 2.65)	1.72 (1.09 to 2.72)
Increase of 50.0–99.9	50	191 981	3.88 (2.46 to 6.13)	3.67 (2.31 to 5.84)
Increase of ≥100.0	18	31 645	8.09 (4.48 to 14.64)	7.00 (3.78 to 12.96)
p for trend			<0.0001	<0.0001
Waist circumference (inches)	72	599 200		
Tertile 1, <28.0	7	168 183	1.00	1.00
Tertile 2, 28.0–31.9	17	227 235	1.72 (0.71 to 4.16)	1.65 (0.68 to 4.00)
Tertile 3, ≥32.0	48	203 782	5.05 (2.28 to 11.20)	4.82 (2.15 to 10.83)
p for trend			<0.0001	<0.0001
Hip circumference (inches)	70	597 544		
Tertile 1, <38.0	13	233 613	1.00	1.00
Tertile 2, 38.0–40.9	13	187 362	1.16 (0.55 to 2.56)	1.25 (0.58 to 2.72)
Tertile 3, ≥41.0	44	176 569	4.02 (2.16 to 7.51)	4.32 (2.27 to 8.24)
p for trend			<0.0001	<0.0001
Waist–hip ratio	70	596 835		
Tertile 1, <0.744	12	199 028	1.00	1.00
Tertile 2, 0.744–0.800	20	207 096	1.58 (0.77 to 3.23)	1.49 (0.73 to 3.06)
Tertile 3, >0.800	38	190 712	3.12 (1.63 to 5.98)	2.84 (1.48 to 5.48)
p for trend			0.0002	0.0006

*Psoriasis cases with only skin phenotypes were excluded during the follow-up.

†Adjusted for age (continuous variable), smoking (never, past, current with 1–14, 15–24, or ≥25 cigarettes/day), alcohol drinking (no, <4.9, 5.0–9.9, 10–14.9, 15–29.9 or ≥30.0 g/day), vigorous physical activity (metabolic equivalent hours/week, in quintile), and height (inches, for the analysis of waist circumference, hip circumference and waist–hip ratio), and weight at 18 years (for the analysis of weight change from 18 years).

BMI, body mass index.

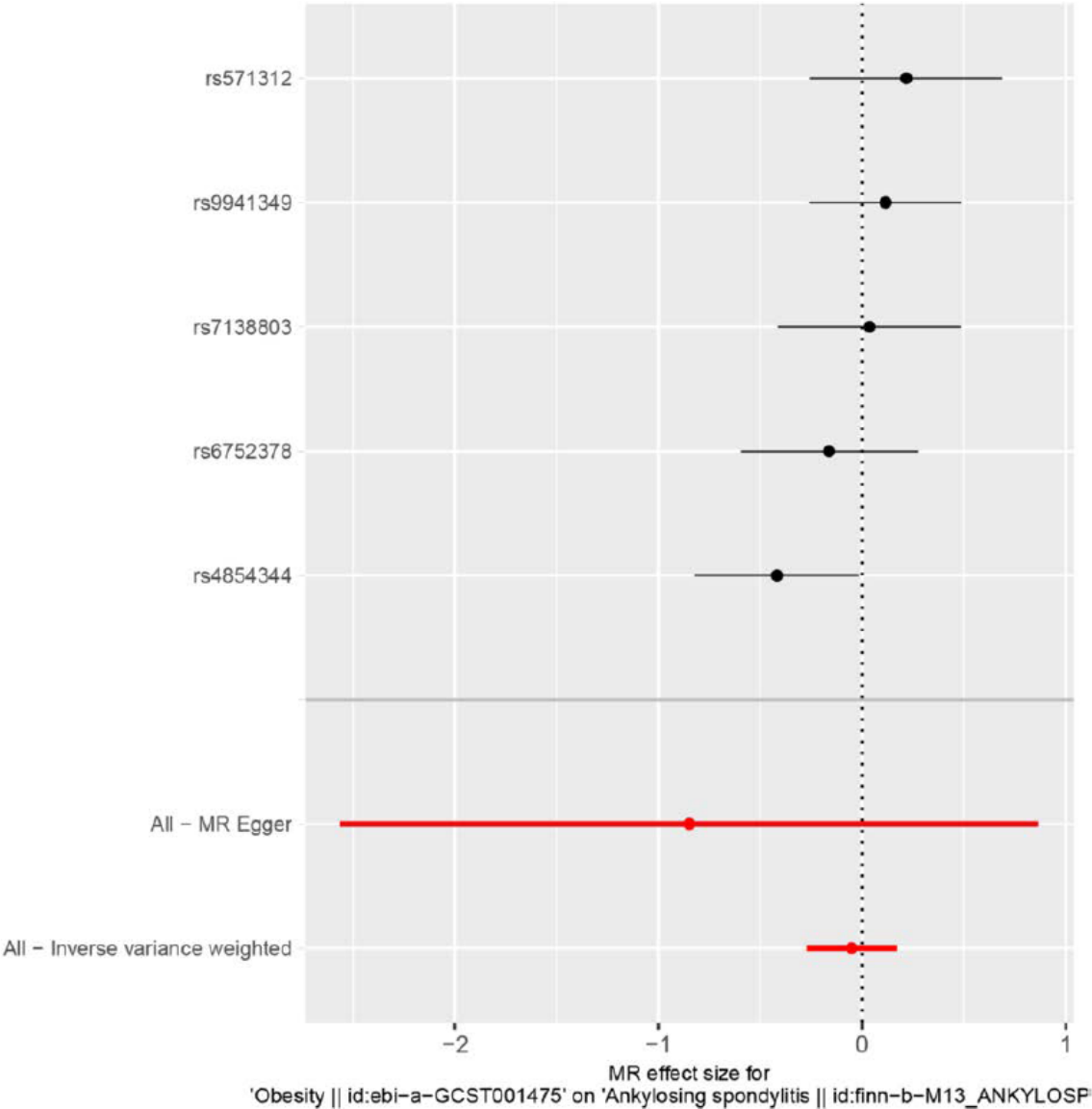
Observational Study



Assessing the causal relationship between obesity and ankylosing spondylitis
A two-sample Mendelian randomization study

Deng Guanghua, MM^a, Shu Yunjun, MM^{a,*}

No evidence of a causal relationship between obesity and the development of AS



Obesity and the risk of systemic lupus erythematosus among women in the Nurses' Health Studies

Sara K. Tedeschi, MD, MPH^{a,*}, Medha Barbhuiya, MD, MPH^a, Susan Malspeis, MS^a, Bing Lu, MD, PhD^a, Jeffrey A. Sparks, MD, MMSc^a, Elizabeth W. Karlson, MD^a, Walter Willett, MD, DrPH^{b,c}, Karen H. Costenbader, MD, MPH^a

SLE risk by cumulative average BMI category among 114,527 women in the Nurses' Health Study (NHS, 1976–2012) and 109,033 women in the Nurses' Health Study II (NHSII, 1989–2013)

	Cumulative average BMI, kg/m ²			p Trend ^b
	18.5 to < 25 Normal	25 to < 30 Overweight	≥ 30 Obese	
NHS, n = 153 cases				
Mean BMI, kg/m ² (SD)	22.2 (1.6)	27.0 (1.4)	33.8 (3.6)	
Cases/person-years	88/1,989,754	47/897,130	18/380,805	
Adjusted HR (95% CI) ^a	1.00	1.28 (0.89–1.84)	1.11 (0.65–1.87)	0.49
NHSII, n = 115 cases				
Mean BMI, kg/m ² (SD)	22.1 (1.6)	27.1 (1.4)	35.2 (4.8)	
Cases/person-years	67/1,375,334	18/569,188	30/390,442	
Adjusted HR (95% CI) ^a	1.00	0.70 (0.41–1.18)	1.85 (1.17–2.91)	0.02
NHS + NHSII meta-analysis				
Cases/person-years	155/3,365,088	65/1,466,318	48/771,247	
Adjusted HR (95% CI) ^a	1.00	0.97 (0.54–1.76)	1.46 (0.88–2.40)	0.60

^a HRs adjusted for age in months, questionnaire cycle, pregnancy during the questionnaire cycle (yes/no), race (White/non-White), census-tract household median income (< \$60,000 vs. ≥ \$60,000), smoking (never/past/current), alcohol intake (none, > 0 to < 5, ≥ 5 g/day), oral contraceptive use (ever/never), age at menarche (≤ 10 vs. > 10 years), menopausal status, and post-menopause hormone (PMH) use (pre-menopausal, post-menopausal/never used PMH, post-menopausal/ever used PMH).

^b p Value for cumulative average BMI (continuous kg/m²) in multivariable Cox models.

Πόσο συχνό είναι το μεταβολικό σύνδρομο σε ασθενείς με ρευματικές παθήσεις;

Prevalence of Metabolic Syndrome in Patients With Rheumatoid Arthritis: An Updated Systematic Review and Meta-Analysis

Wei Cai^{1*}, Xuemi Tang² and Min Pang²

TABLE 2 | Subgroup prevalence of MetS among patients with RA.

Subgroups	Number of studies	Prevalence (95% CI)
Continent		
Asia	39	32.7 (29–36.3)
Europe	25	32.7 (27.5–38)
America	18	32.3 (27–37.5)
Africa	14	28 (22.8–33.2)



Systematic review and meta-analysis on prevalence of metabolic syndrome in psoriatic arthritis, rheumatoid arthritis and psoriasis

TABLE 1 Prevalence of metabolic syndrome in psoriatic arthritis, psoriasis and rheumatoid arthritis (random-effects model)

Population group	Prevalence	SE	95% CI	<i>I</i> ²
Psoriatic arthritis	0.46	0.06	0.40-0.51	91
Psoriasis	0.34	0.03	0.32-0.37	95
Rheumatoid arthritis	0.31	0.04	0.27-0.35	91

TABLE 3 Prevalence of individual characteristics of metabolic syndrome in psoriatic arthritis, psoriasis and rheumatoid arthritis

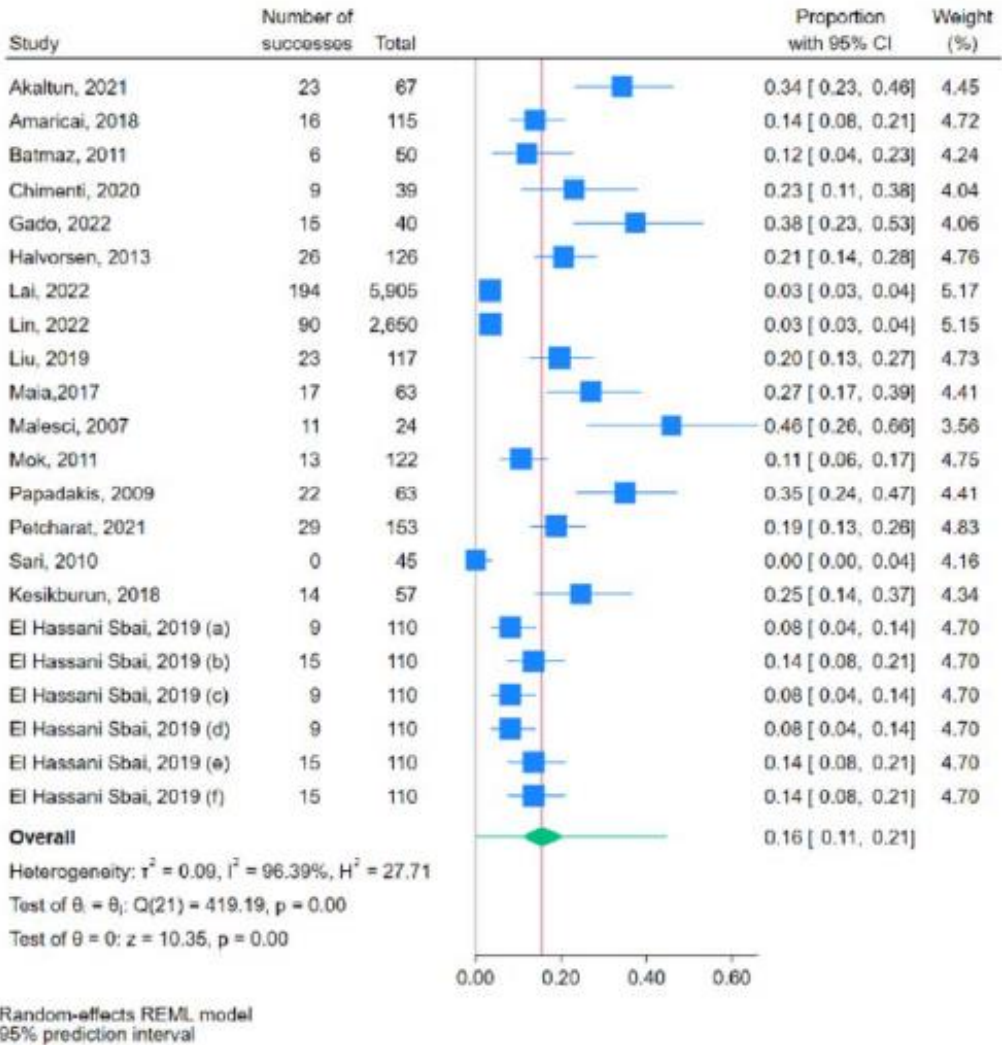
Population group	Central obesity/ elevated WC (%)	Hyper-triglyceridemia (%)	Reduced HDL (%)	DM/insulin resistance (%)	Impaired fasting glucose (%)	HTN (%)
Psoriatic arthritis	62.1	35.6	36.6	20.6	25.8	50.2
Psoriasis	49.5	37.3	42.6	21.3	32.9	40.2
Rheumatoid arthritis	62.5	35.4	43.6	19.9	26.4	51.9

Prevalence of metabolic syndrome
in ankylosing spondylitis: a multi national
meta-analysis study

Sandeep Samethadka Nayak¹, Kwame Boateng Agyeman², Khushbu Viresh Janani³, Maryam Jafari⁴, Mohammad Amouzadeh Lichahi⁴, Pubali Biswas⁵, Mohammad Hashemi⁷, Nimra Shafi⁸, Yasmin Sahli⁹, Ehsan Amini-Salehi^{5*} and Narsimha Rao Keetha¹⁰



Pooled prevalence of MetS in AS
15.5% (95% CI 10.9–20.8%)



Prevalence and risk of metabolic syndrome in patients with systemic lupus erythematosus: A meta-analysis

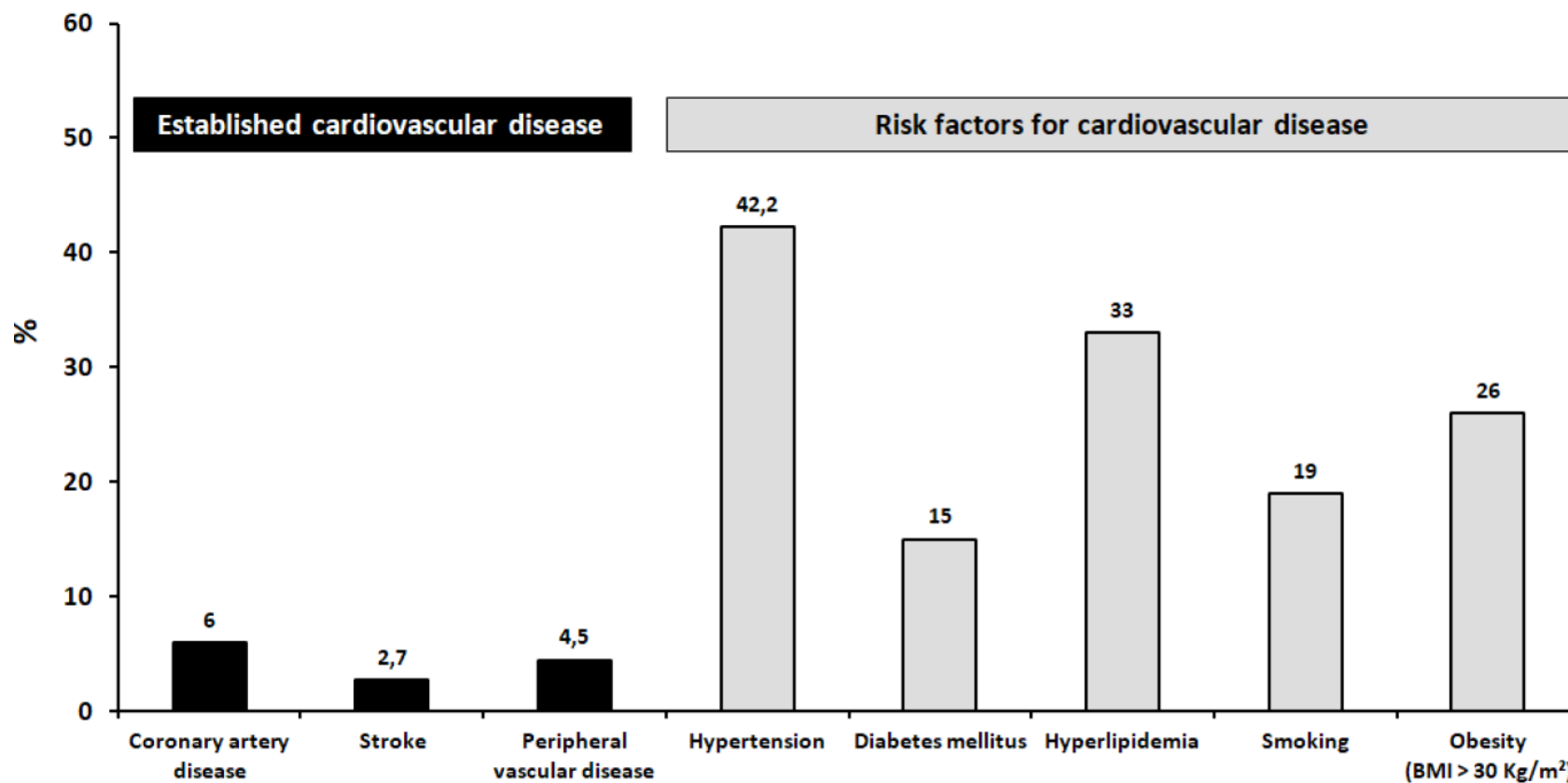
Chong SUN,¹ Wen QIN,² Yu-Hui ZHANG,¹ Yan WU,¹ Qian LI,¹ Mei LIU¹  and Chun-Di HE¹

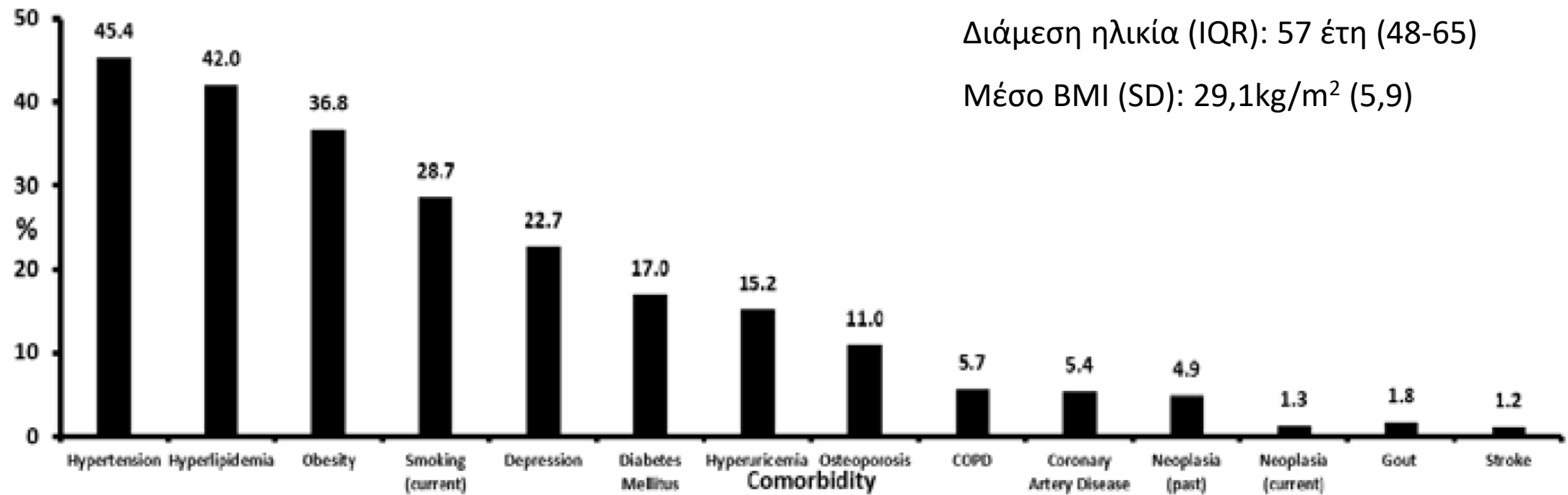
- Επιπολασμός ΜΣ στο ΣΕΛ
 - 0.26 (95% CI: 0.23–0.29)
- Σχετικός κίνδυνος ΜΣ στο ΣΕΛ (σε σχέση με ομάδα ελέγχου)
 - OR = 1.88 (95% CI: 1.54–2.30)

Ελληνικά Δεδομένα



Multicenter Cross-sectional Study of Patients with Rheumatoid Arthritis in Greece: Results from a cohort of 2.491 patients





N=923

Γυναίκες: 55%

Διάμεση ηλικία (IQR): 57 έτη (48-65)

Μέσο BMI (SD): 29,1kg/m² (5,9)

Disease characteristics, co-morbidities and treatment response in a contemporary axial spondyloarthritis cohort: Analysis of 717 patients from the Greek AxSpA registry

Charalampos Papagoras^{a,*}, George E. Fragoulis^{b,1}, Nikolaos Fytanidis^a, Michael Krikelis^c,

Table 2

Main comorbidities of patients in the AxSpA cohort.

BMI, kg/m ² , median (SD) (N=626)	26.6 (4.4)
<i>Normal, n (%)</i>	232 (37.1)
<i>Overweight, n (%)</i>	248 (39.6)
<i>Obesity, n (%)</i>	136 (21.7)
Smoking (N=670)	
<i>Former, n (%)</i>	143 (21.3)
<i>Current, n (%)</i>	240 (35.8)
<i>Never, n (%)</i>	287 (42.8)
COPD, n/N (%)	35/675 (5.2)
Dyslipidemia, n/N (%)	212/681 (31.1)
Total cholesterol, mg/dL, median (IQR)	189 (164–213)
Triglyceride, mg/dL, median (IQR)	118 (83–160)
HDL cholesterol, mg/dL, median (IQR)	50 (43–60)
LDL cholesterol, mg/dL, median (IQR)	107 (87–136)
Hypertension, n/N (%)	209/688 (30.4)
Diabetes, n/N (%)	61/685 (8.9)
Coronary artery disease, n/N (%)	42/681 (6.2)
Peripheral arterial disease, n/N (%)	16/679 (2.4)
Stroke, n/N (%)	7/678 (1)
Depression, n/N (%)	93/674 (13.8)
Osteoporosis, n/N (%)	69/669 (10.3)
Arthroplasty (N=705)	34 (4.8)
Malignancy (N=617)	
<i>Active malignancy, n (%)</i>	6 (1)
<i>Past malignancy, n (%)</i>	15 (2.4)

BMI: Body mass index, COPD chronic obstructive pulmonary disease

Η παχυσαρκία επηρεάζει τις εκβάσεις στις ρευματικές παθήσεις;

Impact of Obesity on Remission and Disease Activity in Rheumatoid Arthritis: A Systematic Review and Meta-Analysis

YANG LIU, GLEN S. HAZLEWOOD, GILAAD G. KAPLAN, BERTUS EKSTEEN, AND CHERYL BARNABE

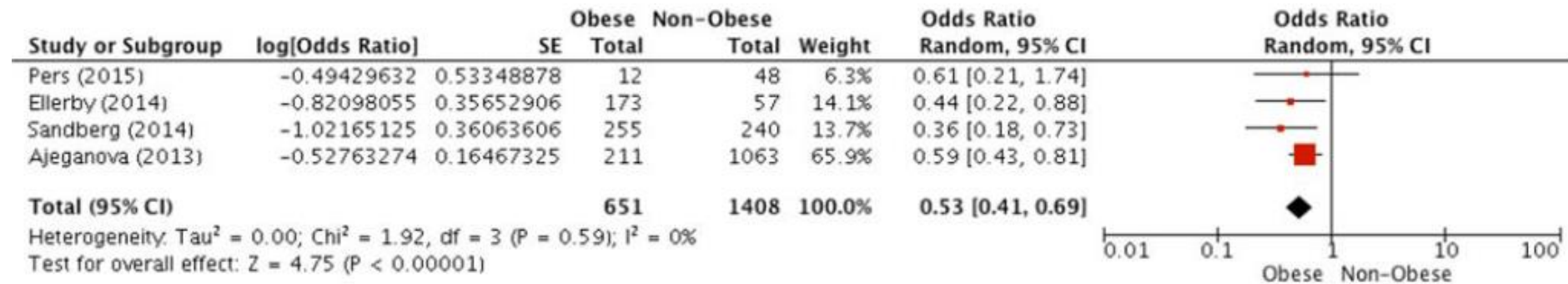
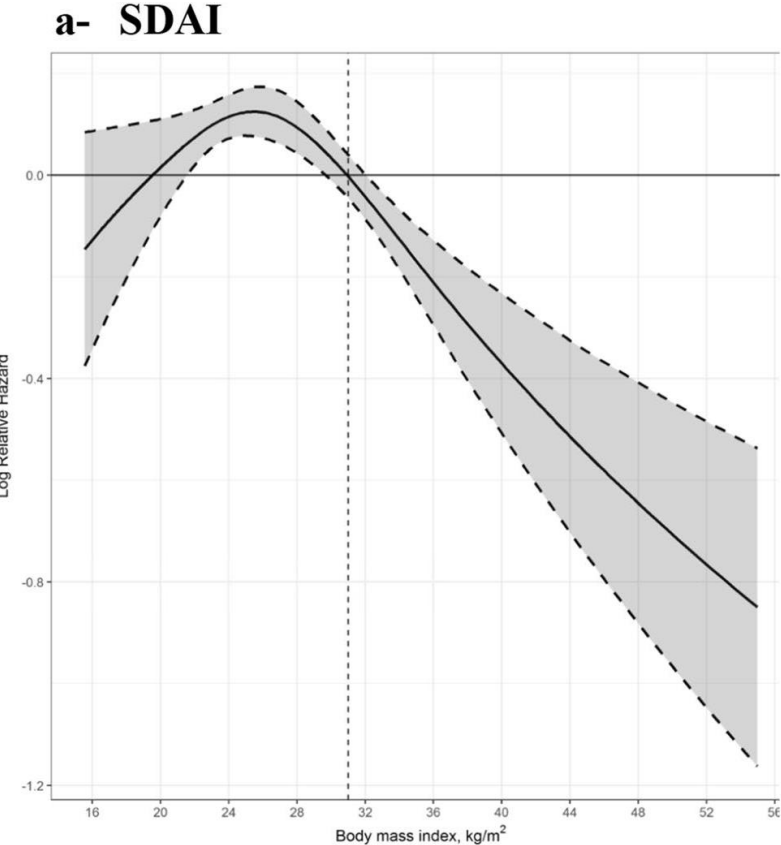


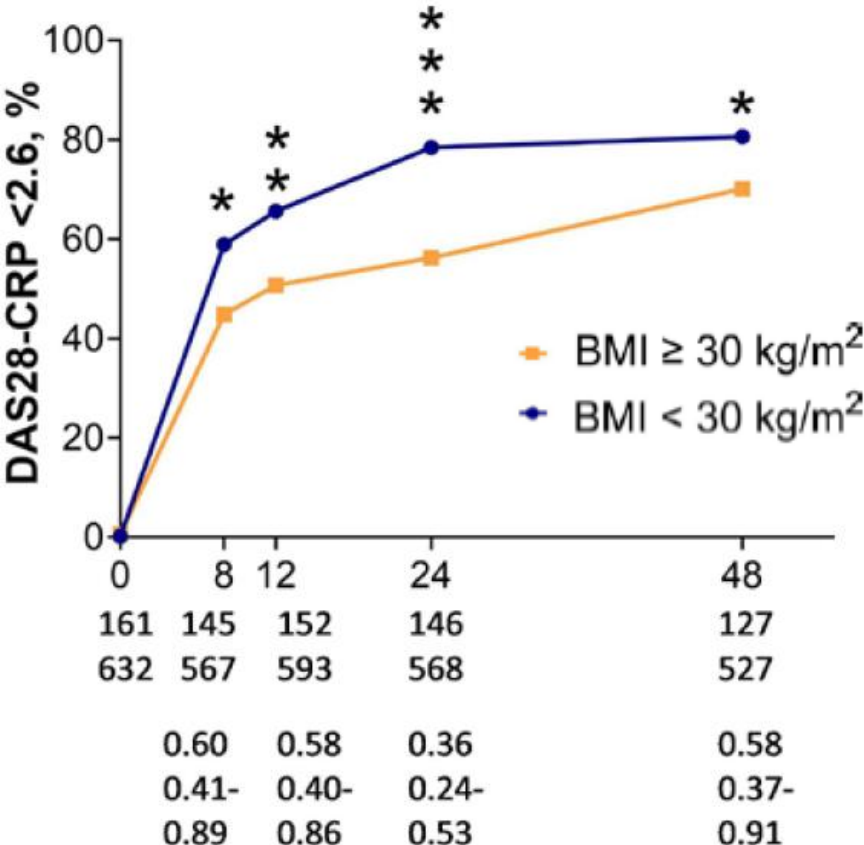
Figure 2. Odds of obese patients attaining remission at any time point.

BMI & ύφεση στη ΡΑ

RCT του TCZ



NORD-STAR



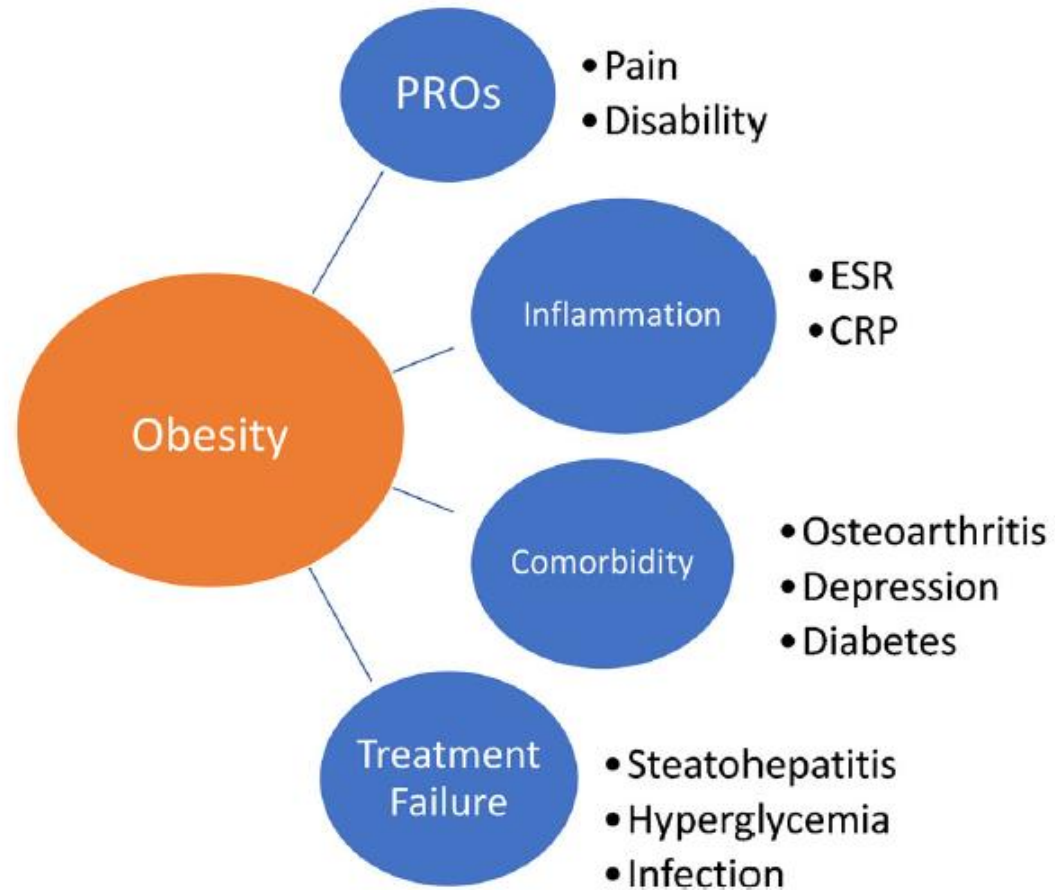
Ελληνικά Δεδομένα

Table 2. Univariate and multivariate analysis of factors associated with achievement of low disease activity (DAS28ESR <3.2) for the whole RA cohort ($n=1317$).

Variable	Univariate analysis					Multivariate analysis			
	<i>n</i>	OR	95% CI		<i>p</i>	OR	95% CI		<i>p</i>
			Lower	Upper			Lower	Upper	
Sex, male	1317	2.48	1.84	3.33	<0.001	2.29	1.62	3.23	<0.001
Age	1317	0.98	0.97	0.99	<0.001	0.98	0.97	0.99	0.005
Disease duration	1219	0.98	0.97	0.99	0.035				
Seropositivity, RF/anti-CCP	1280	0.62	0.49	0.77	<0.001				
GC use	1317	0.62	0.49	0.77	<0.001	0.75	0.57	0.98	0.037
bDMARD use	1317								
1st line <i>versus</i> no bDMARD		0.92	0.7	1.2	0.53	0.84	0.62	1.16	0.3
≥2nd line <i>versus</i> no bDMARD		0.59	0.45	0.78	<0.001	0.61	0.44	0.84	0.002
HAQ score at first evaluation	1195	0.46	0.37	0.57	<0.001	0.57	0.45	0.72	<0.001
Co-morbidity index (RDCI)	1317	0.79	0.72	0.86	<0.001	0.86	0.76	0.96	0.011
Active smoking	1265	1.26	0.94	1.69	0.117				
Obesity, BMI >30 kg/m ²	1149	0.51	0.39	0.67	<0.001	0.62	0.46	0.84	0.002
Erosions	1317	0.66	0.51	0.84	<0.001				

Κατηγορίες ενεργότητας νόσου στο 1ο έτος βάσει της ενεργότητας στην εκκίνηση

Παχυσαρκία & ενεργότητα στη ΡΑ



Association between obesity and likelihood of remission or low disease activity status in psoriatic arthritis applying index-based and patient-based definitions of remission: a cross-sectional study

Table 1 Patient characteristics of psoriatic arthritis patients with/without obesity (n=431)

	Non-obese (n=295)	Obese (n=136)
Age, years	51.5 (13.1)	54.4 (11.0) *
Female, n (%)	125 (43.3)	84 (62.2) **
Schooling, years	12.5 (4.2)	11.7 (4.6)
Duration of PsA, years	11.1 (8.3)	10.5 (7.8)
Number of other comorbidities (FCI), 0–17	1.6 (0.9)	2.4 (2.0) **
Current use of csDMARDs, n (%)	170 (61.2)	85 (66.9)
Current use of bDMARDs n (%)	173 (61.3)	76 (60.8)
Tender joints, 0–68	4.0 (8.4)	6.5 (11.7) *
Swollen joints, 0–66	2.5 (8.4)	1.7 (2.8)
Leeds enthesitis index, 0–6	0.5 (1.2)	0.9 (1.7) **
Psoriasis severity, n (%)		
No psoriasis/ limited psoriasis (<1–5%)	258 (91.8)	116 (88.6)
Extensive psoriasis (6–20%)	18 (6.4)	13 (9.9)
Very extensive psoriasis (>20)	5 (1.8)	2 (1.5)
CRP, mg/dL	1.2 (3.5)	2.3 (8.1) *
Pain, 0–10	3.8 (2.7)	4.8 (2.8) **
PGA disease activity, 0–10	2.9 (2.5)	3.5 (2.5) *
HAQ-DI, 0–3	0.5 (0.6)	0.9 (0.7) **
DAPSA	15.2 (17.0)	19.9 (18.0) *
PsAID-12, 0–10	3.0 (2.3)	4.1 (2.6) **
Pain, 0–10	3.7 (2.8)	4.7 (2.8) **
Skin, 0–10	2.5 (2.7)	3.0 (2.9)

Table 2 Summary of odds to be in remission/LDA comparing patients with obesity versus non-obese

	Univariable model		Multivariable model*	
	OR (95% CI)	P	OR (95% CI)	P
Remission				
DAPSA-REM	0.32 (0.16, 0.62)	0.001	0.39 (0.19, 0.80)	0.009
VLDA	0.23 (0.10, 0.55)	0.001	0.31 (0.13, 0.77)	0.011
Remission by patients' opinion	0.869 (0.504, 1.497)	0.613	–	–
LDA				
DAPSA-LDA	0.448 (0.263, 0.762)	0.003	0.728 (0.446, 1.187)	0.203
MDA	0.50 (0.31, 0.78)	0.002	0.61 (0.38, 0.99)	0.045
LDA by patients' opinion	0.80 (0.51, 1.26)	0.333	–	–

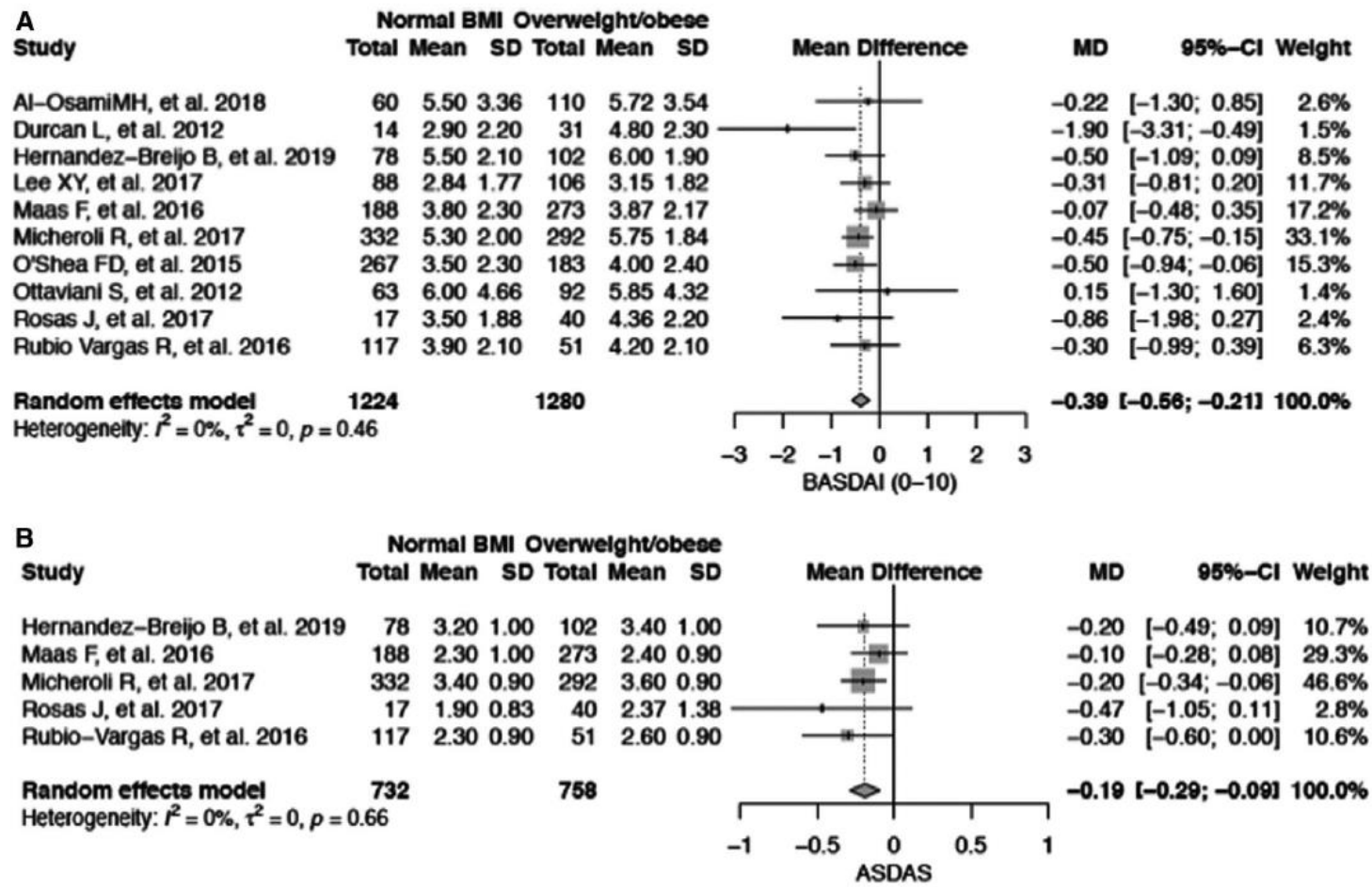
Identification and characteristics of patients with potential difficult-to-treat psoriatic arthritis: exploratory analyses of the Greek PsA registry

Konstantinos D. Vassilakis¹, Charalampos Papagoras ², Nikolaos Fytanidis², Sousana Gazi³, Evangelia Mole³, Michael Krikelis³, Paraskevi V. Voulgari ⁴, Evripidis Kaltsonoudis⁴, Nikolaos Koletsos ⁴, Dimitrios Boumpas⁵, Pelagia Katsimpri⁵, Dimitrios Katsifis-Nezis⁵, Theodoros Dimitroulas ⁶, Nikolaos Kougkas⁶, Maria Boutel⁶, Petros P. Sfikakis ¹, Maria G. Tektonidou ¹, Chrysoula Gialouri ¹, Dimitrios Bogdanos⁷, Theodora Simopoulou⁷, Christos Koutsianas⁸, Evgenia Mavrea⁸, Gkikas Katsifis⁹, Konstantinos Kottas⁹, Maria Konsta¹⁰, Matthoula Tziafalia¹⁰, Evangelia Kataxaki¹¹, Eleni Kalavri¹², Kalliopi Klavdianou¹², Eleftheria P. Grika¹³, Charalampos Sfontouris¹³, Dimitrios Daoussis ¹⁴, George Iliopoulos¹⁴, Ilias Bournazos¹⁵, Dimitrios Karokis¹⁵, Konstantinos Georganas¹⁵, Dimos Patrikos¹⁵, Dimitrios Vassilopoulos ⁸, George E. Fragoulis ^{1,16,*}

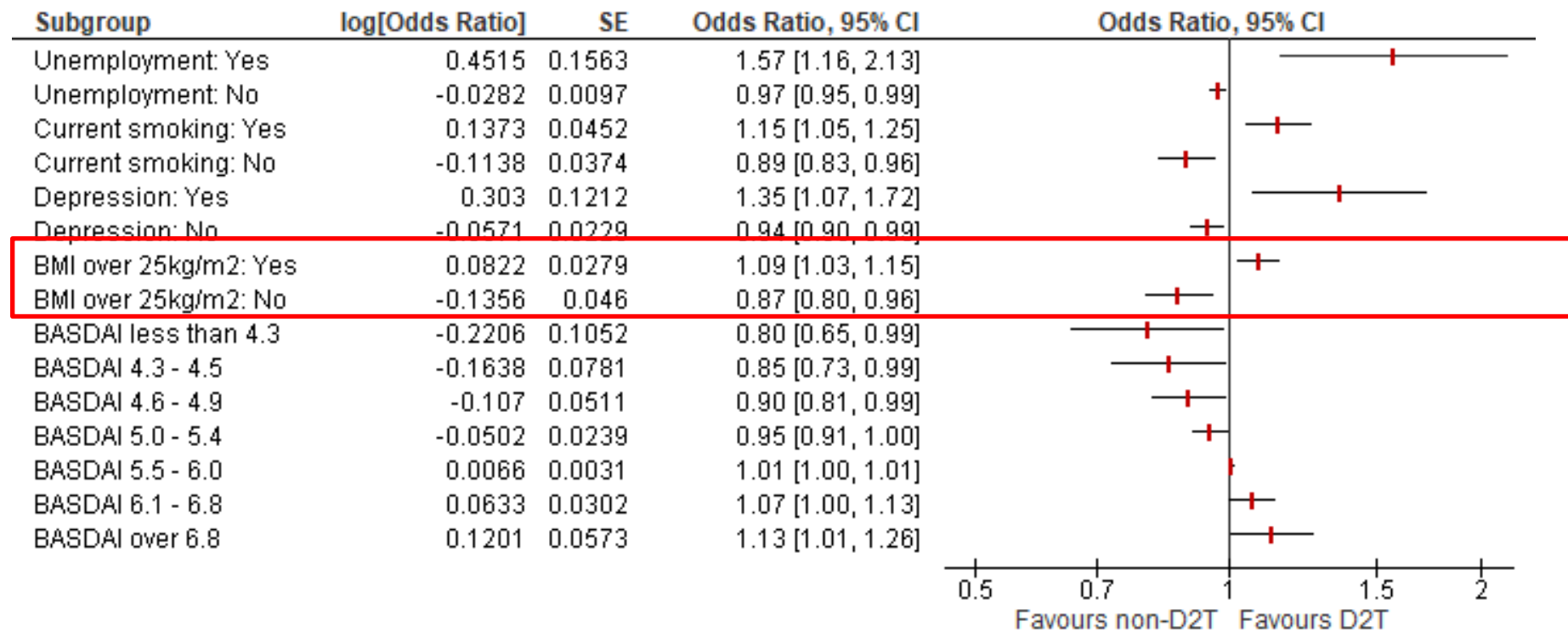
- Further multivariable binomial regression showed that D2T patients, compared with the non-D2T group, were more likely to have **extensive psoriasis**, defined as BSA >3% (OR 5.05, 95% CI 2.22–11.47, P<0.0001) at diagnosis. In addition, it was shown that D2T patients displayed more frequently a **greater BMI** (OR 1.07, 95% CI 1.01–1.13, P=0.023) and **IBD ever** (OR 1.22, 95% CI 1.25– 31.06, P=0.026).

Do Obesity and Overweight Influence Disease Activity Measures in Axial Spondyloarthritis? A Systematic Review and Meta-Analysis

Augusta Ortolan,  Mariagrazia Lorenzin,  Mara Felicetti, and Roberta Ramonda



Difficult-to-Manage and Treatment-Refractory Axial Spondyloarthritis: Insights from the Greek AxSpA Registry

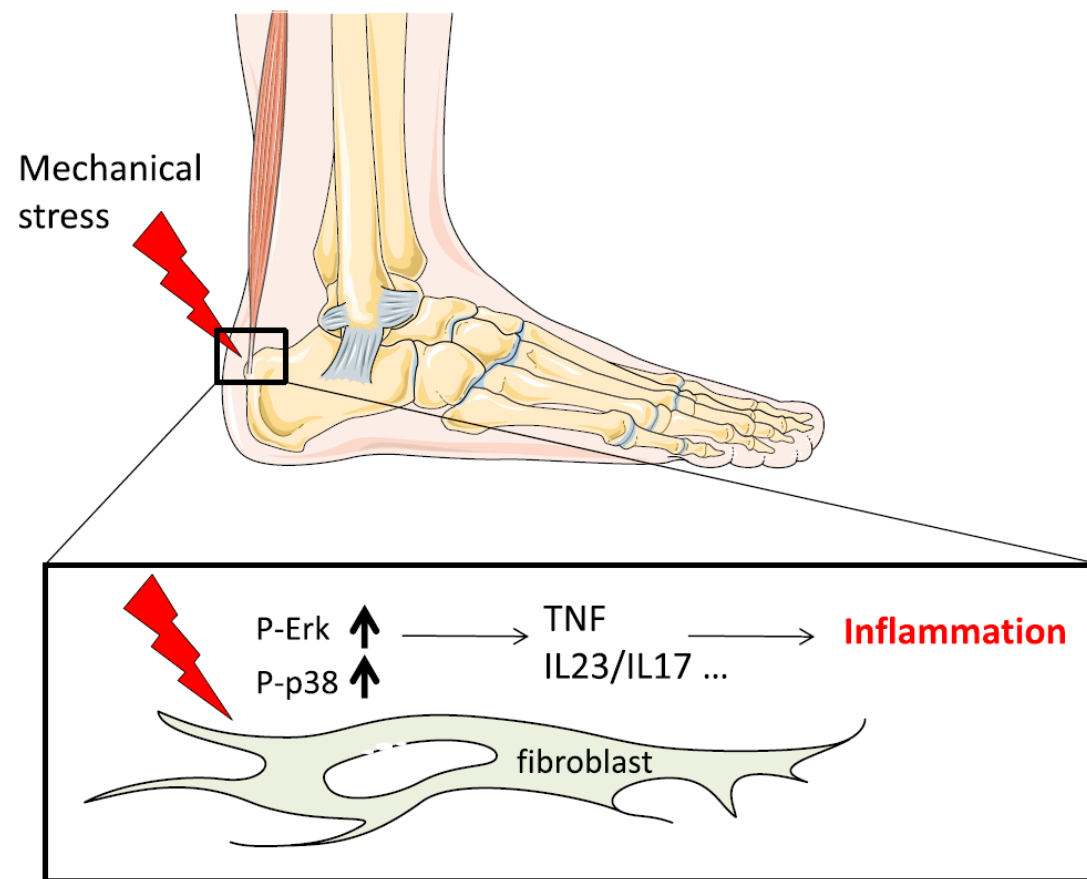


Η παχυσαρκία συνεισφέρει και μέσω μηχανικών οδών στις ΣΠΑ

EXTENDED REPORT

Proof of concept: enthesitis and new bone formation in spondyloarthritis are driven by mechanical strain and stromal cells

Peggy Jacques,¹ Stijn Lambrecht,¹ Eveline Verheugen,¹ Elin Pauwels,² George Kollias,³ Maria Armaka,³ Marleen Verhoye,⁴ Annemie Van der Linden,⁴ Rik Achten,⁵ Rik J Lories,⁶ Dirk Elewaut¹



**The role of obesity on inflammation and damage
in spondyloarthritis: a systematic literature review
on body mass index and imaging**

S. Bakirci¹, J. Dabague², L. Eder³, D. McGonagle⁴, S.Z. Aydin^{1,5}

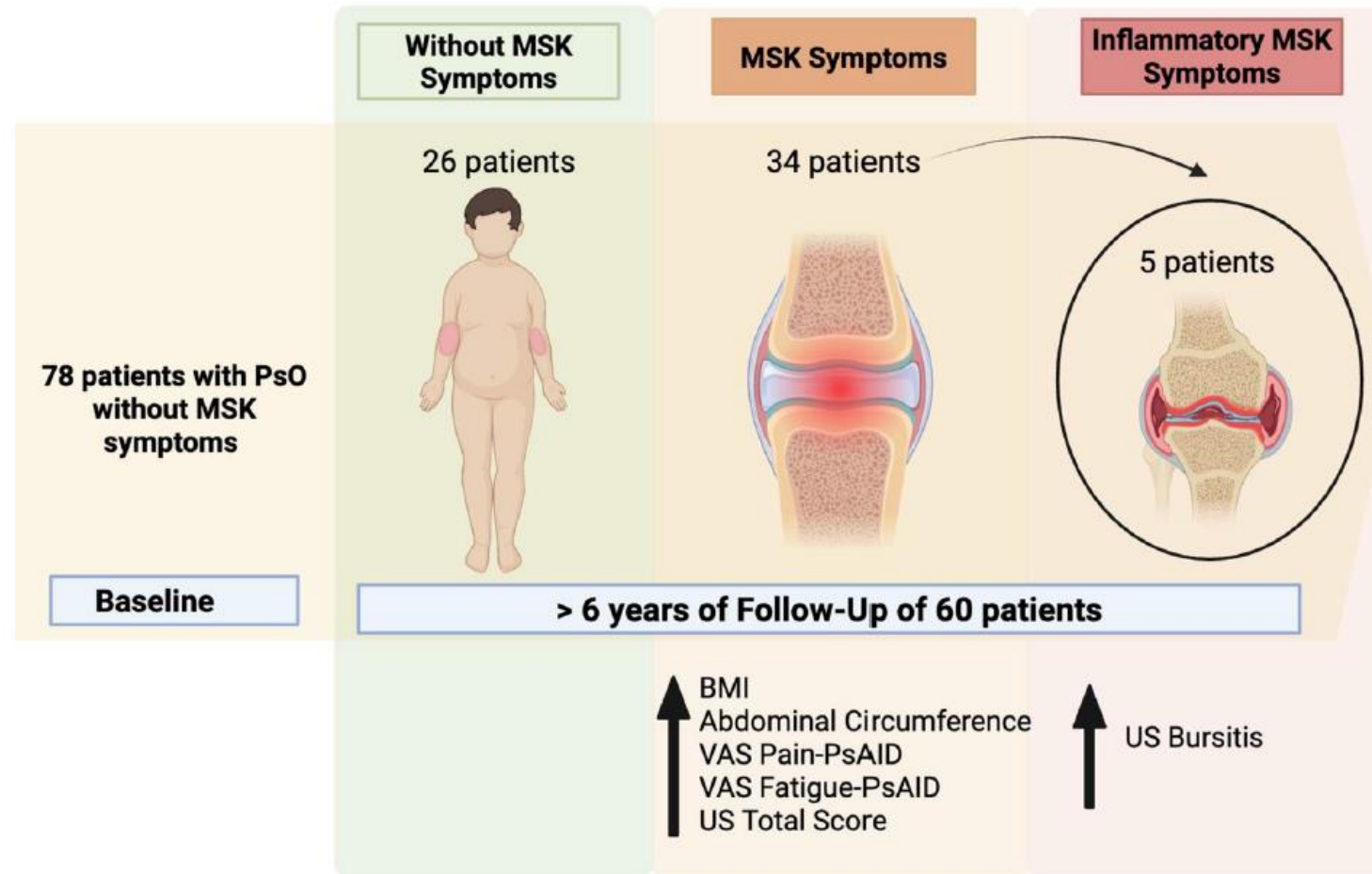
- A **higher BMI** was closely related with **new bone formation** including **syndesmophytes, enthesophytes** and also a higher **mSASSS**
- Fewer studies looked at the effect of BMI on the peripheral enthesitis which found a moderately positive correlation between the **Madrid Sonographic Enthesitis Index** for enthesitis on US and **BMI**



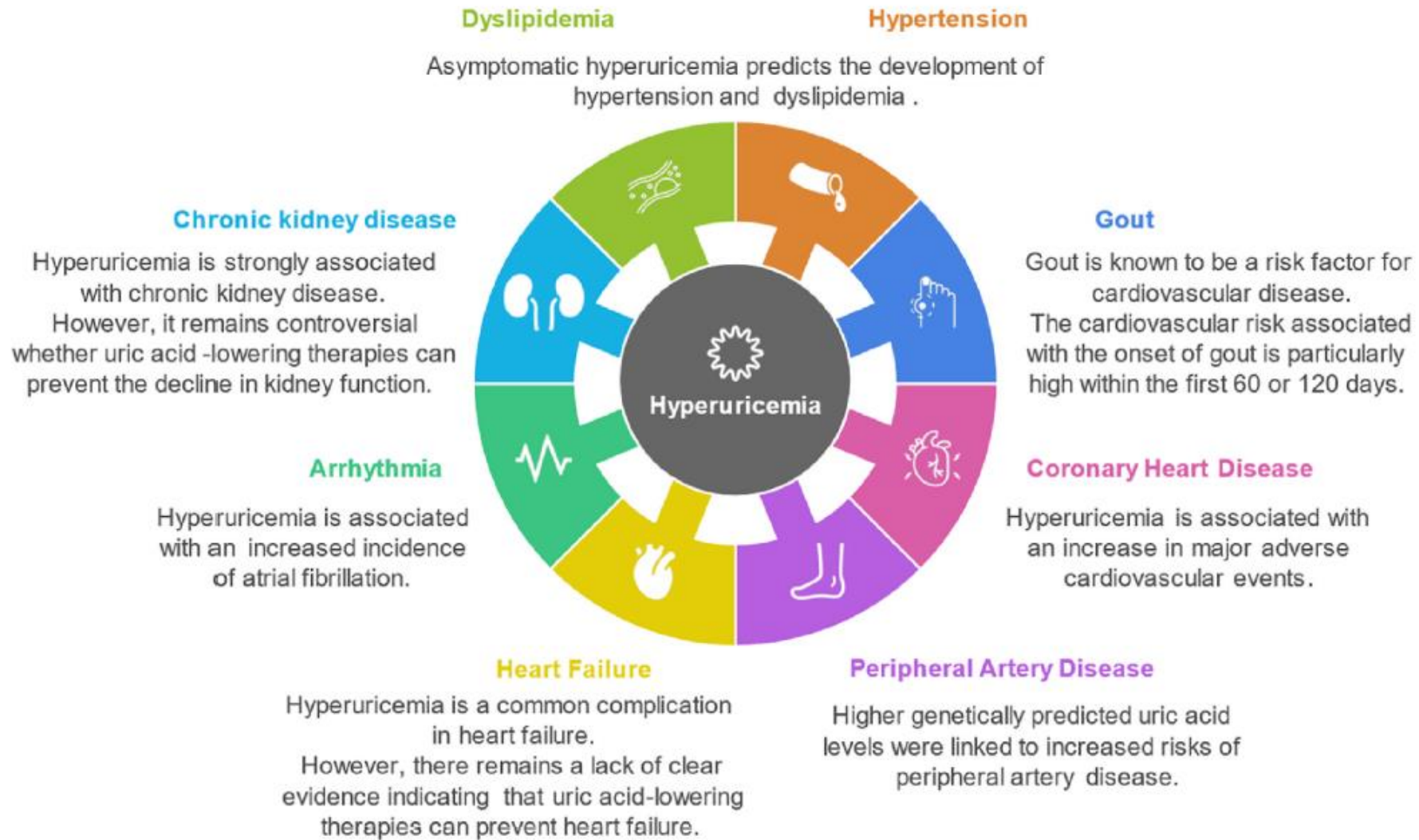
Clinical science

Clinical and ultrasound features of a cohort of psoriasis patients without musculoskeletal symptoms: a prospective and multicentre study

Ana Belén Azuaga^{1,2}, Andrea Cuervo³, Delia Reina⁴, Paula Estrada-Alarcón⁴, Lourdes Mateo⁵,



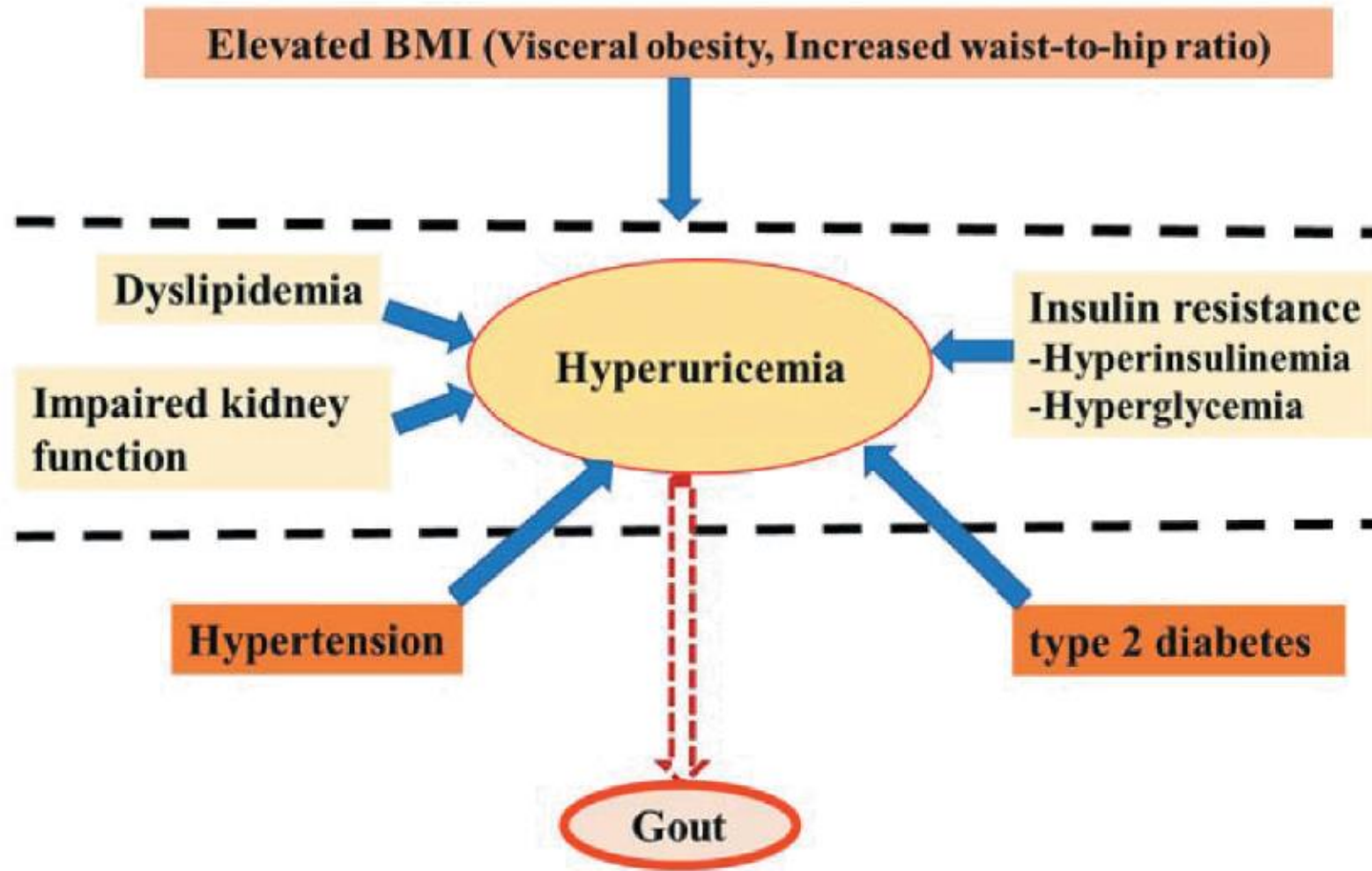
Υπερουριχαιμία



Serum uric acid levels and multiple health outcomes: umbrella review of evidence from observational studies, randomised controlled trials, and Mendelian randomisation studies

Xue Li,¹ Xiangrui Meng,¹ Maria Timofeeva,² Ioanna Tzoulaki,³ Konstantinos K Tsilidis,^{3,4}
P A Ioannidis,^{5,6,7} Harry Campbell,¹ Evropi Theodoratou^{1,2}

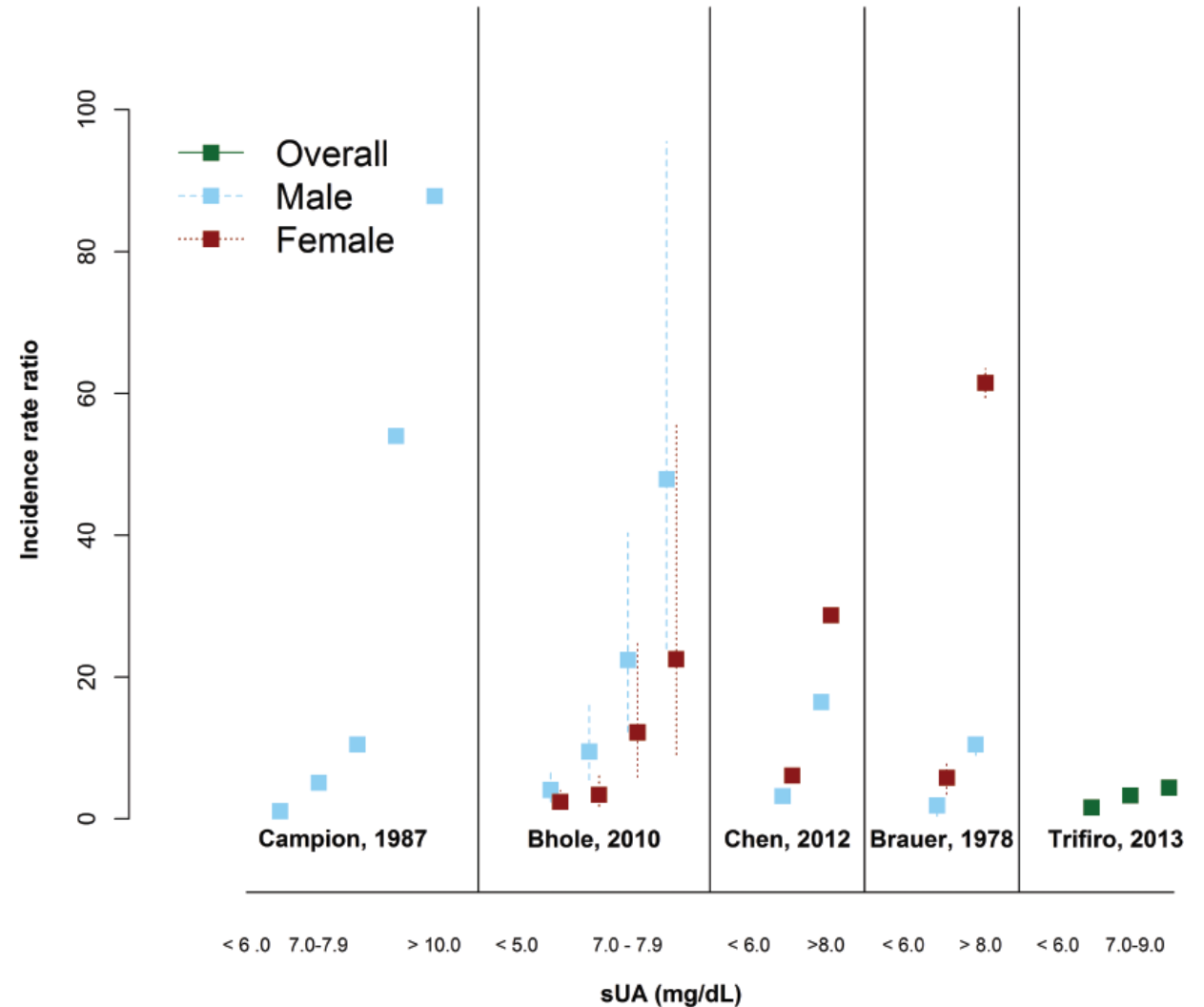
*Of the 136 health outcomes related to SUA level that were examined in metaanalyses of observational studies, meta-analyses of randomised controlled trials, and Mendelian randomisation studies, convincing evidence of a clear association exists only for **gout** and **nephrolithiasis***



Υπερουριχαιμία & ουρική αρθρίτιδα

Serum Uric Acid and the Risk of Incident and Recurrent Gout: A Systematic Review

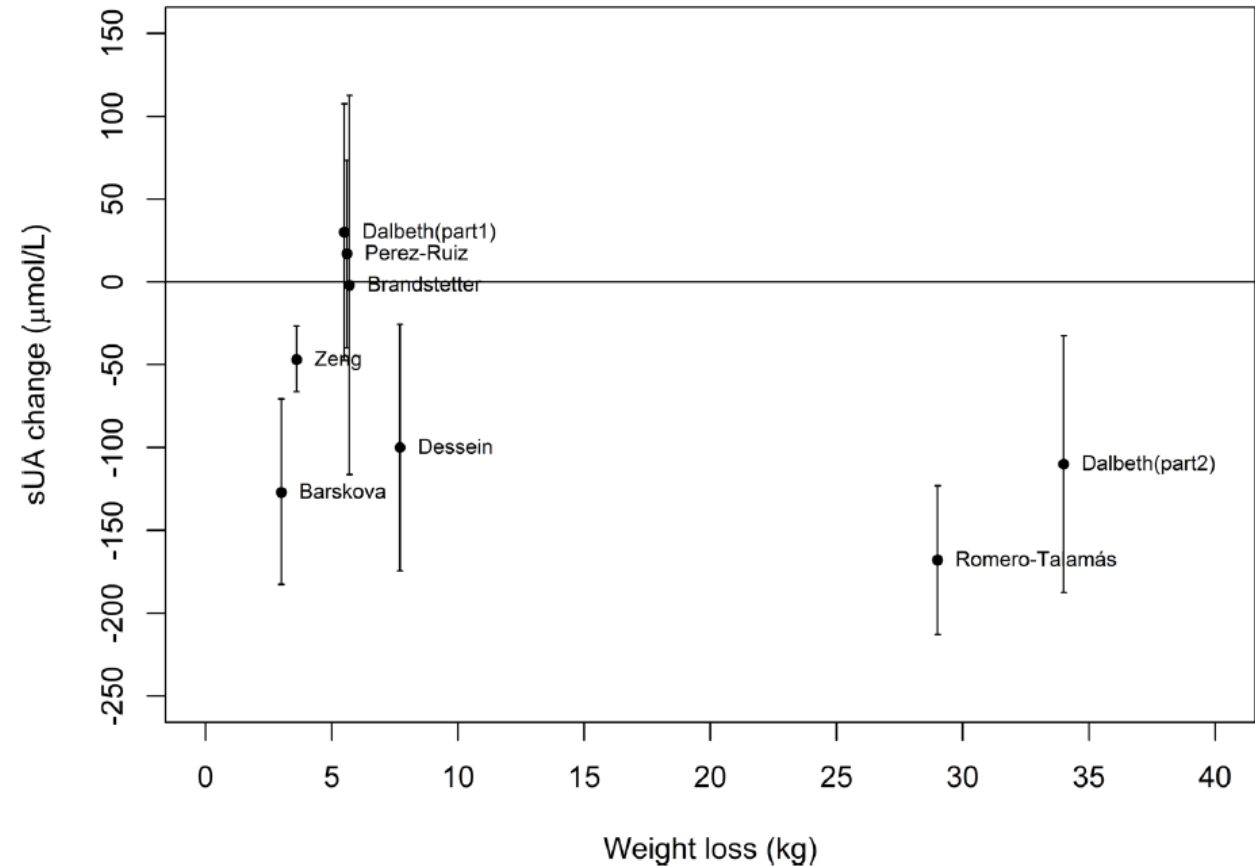
Aki Shiozawa, Shelagh M. Szabo, Anna Bolzani, Antoinette Cheung, and Hyon K. Choi



Απώλεια βάρους & επίπεδα ουρικού

Weight loss for overweight and obese individuals with gout: a systematic review of longitudinal studies

Sabrina M Nielsen,¹ Else M Bartels,¹ Marius Henriksen,^{1,2} Eva E Wæhrens,^{1,3} Henrik Gudbergesen,¹ Henning Bliddal,¹ Arne Astrup,⁴ Filip K Knop,^{5,6,7} Loreto Carmona,⁸ William J Taylor,⁹ Jasvinder A Singh,¹⁰ Fernando Perez-Ruiz,¹¹ Lars E Kristensen,¹ Robin Christensen¹



Αντιρρευματικά φάρμακα & παχυσαρκία

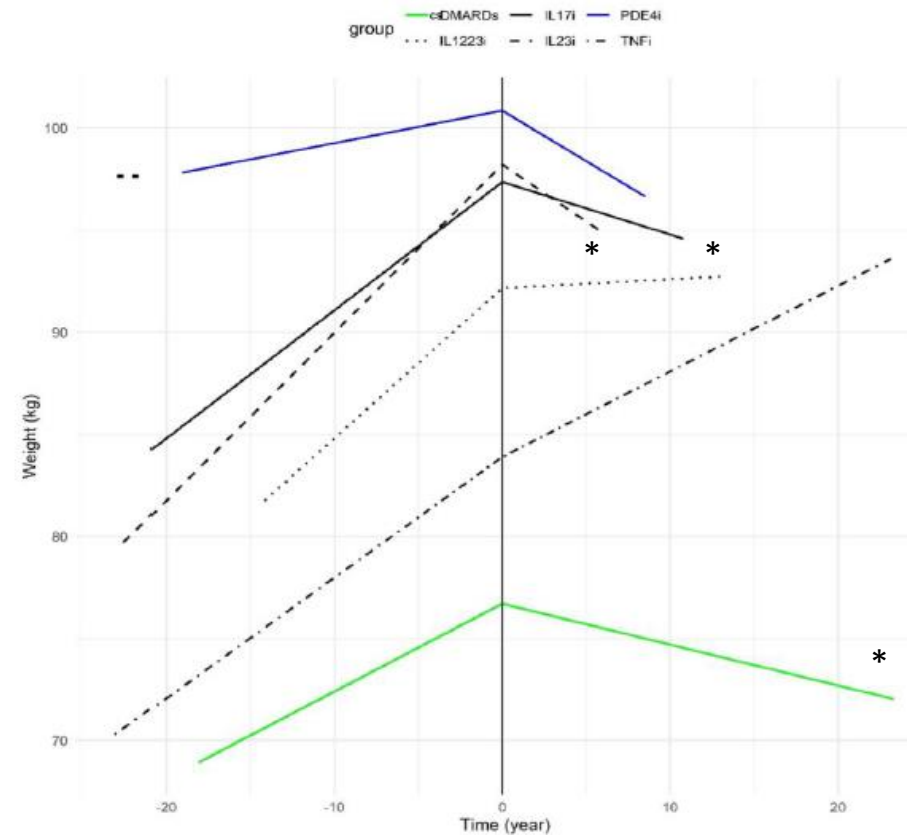
Φάρμακα ΣΔ/παχυσαρκίας και μυοσκελετικά νοσήματα



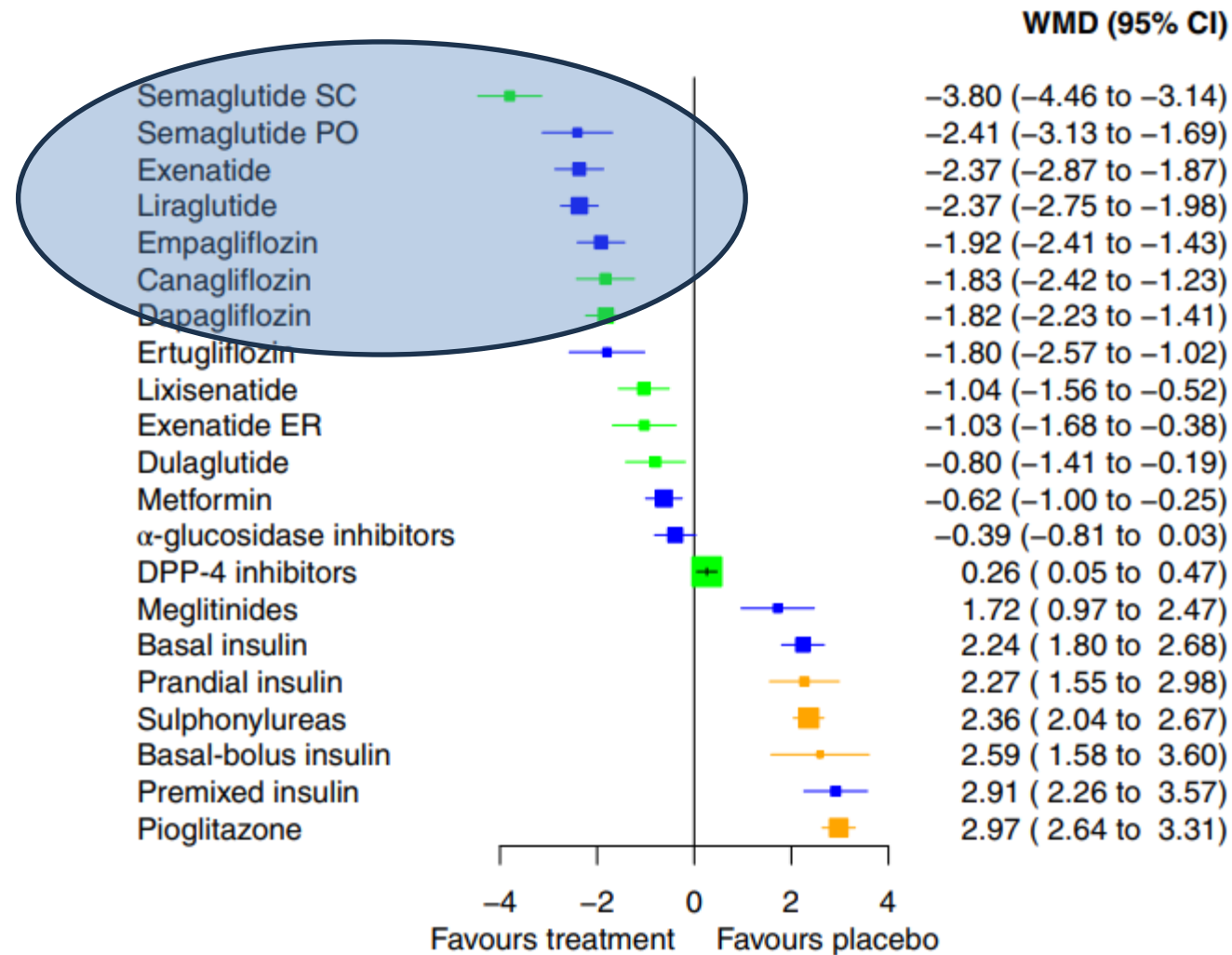
Clinical science

Exploring the impact of conventional and targeted DMARDs on body weight in patients with PsA

Pankti Mehta ^{1,2,3}, Fadi Kharouf ^{1,2}, Virginia Carrizo Abarza^{1,2}, Shangyi Gao¹,
 Richard J. Cook ⁴, Denis Poddubnyy^{1,2,3}, Dafna D. Gladman ^{1,2,3}, Vinod Chandran^{1,2,3,5,*}



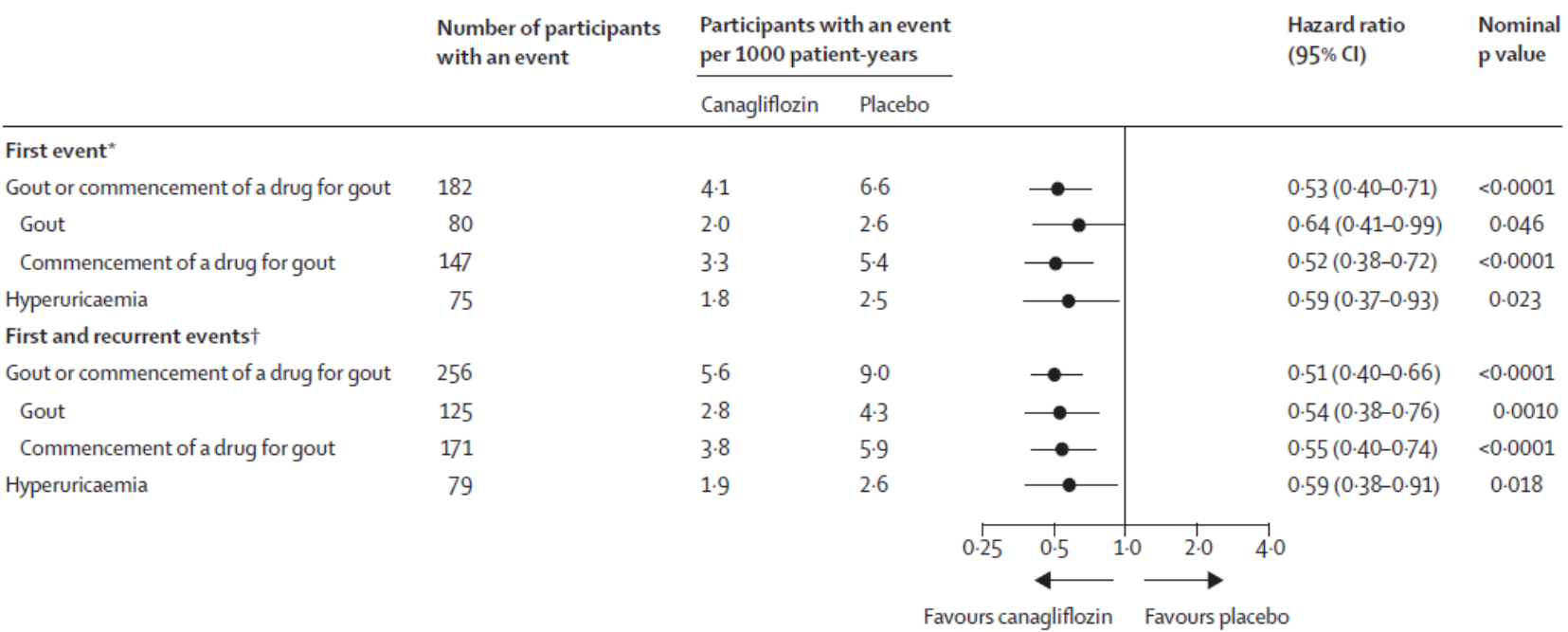
Επίδραση αντιδιαβητικών φαρμάκων στο σωματικό βάρος



The effects of canagliflozin on gout in type 2 diabetes:
a post-hoc analysis of the CANVAS Program

JingWei Li, Sunil V Badve, Zien Zhou, Anthony Rodgers, Richard Day, Richard Oh, Mary Lee, Vlado Perkovic, Dick de Zeeuw, Kenneth W Mahaffey, Greg Fulcher, David R Matthews, Bruce Neal

6.7% reduction in serum urate

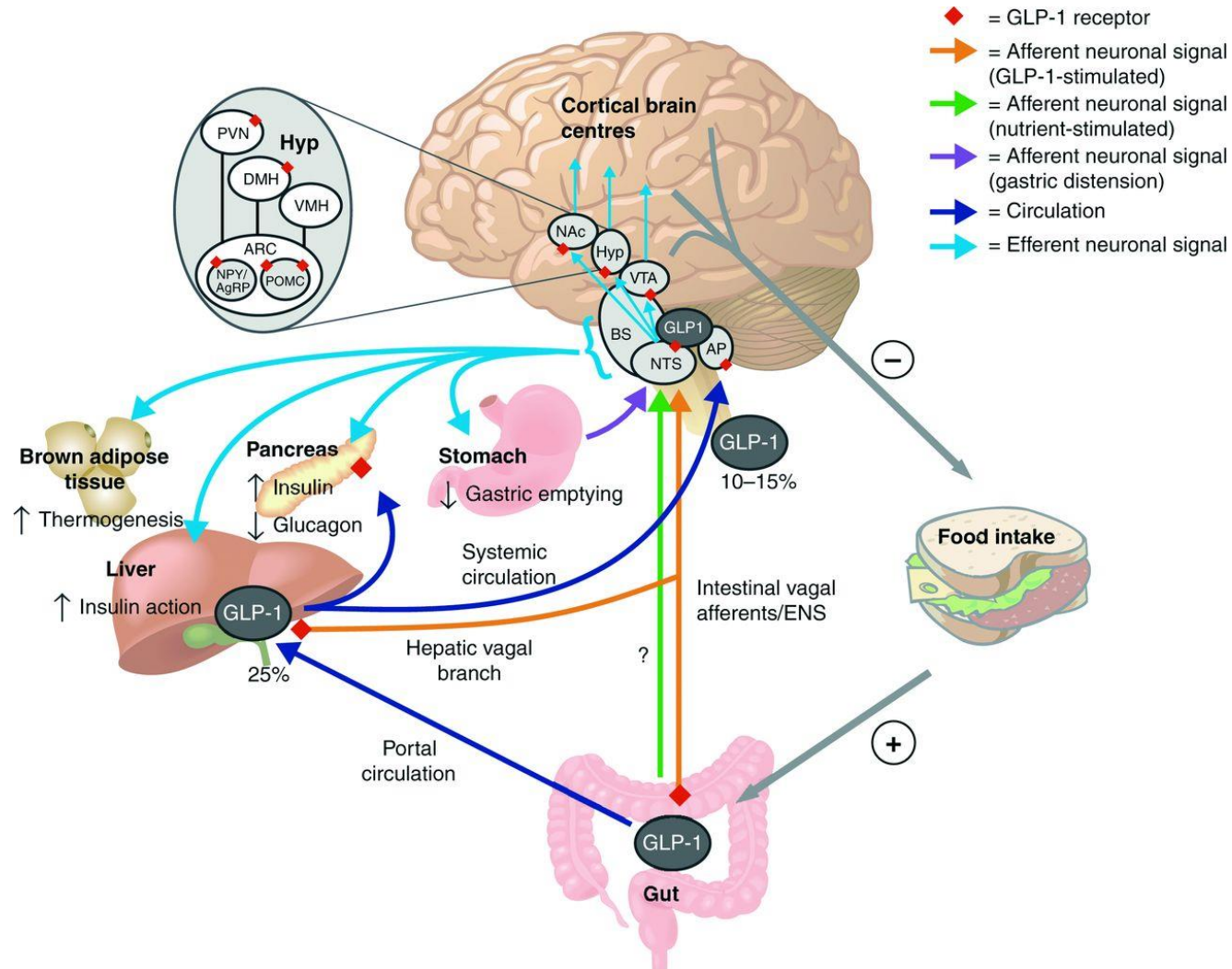


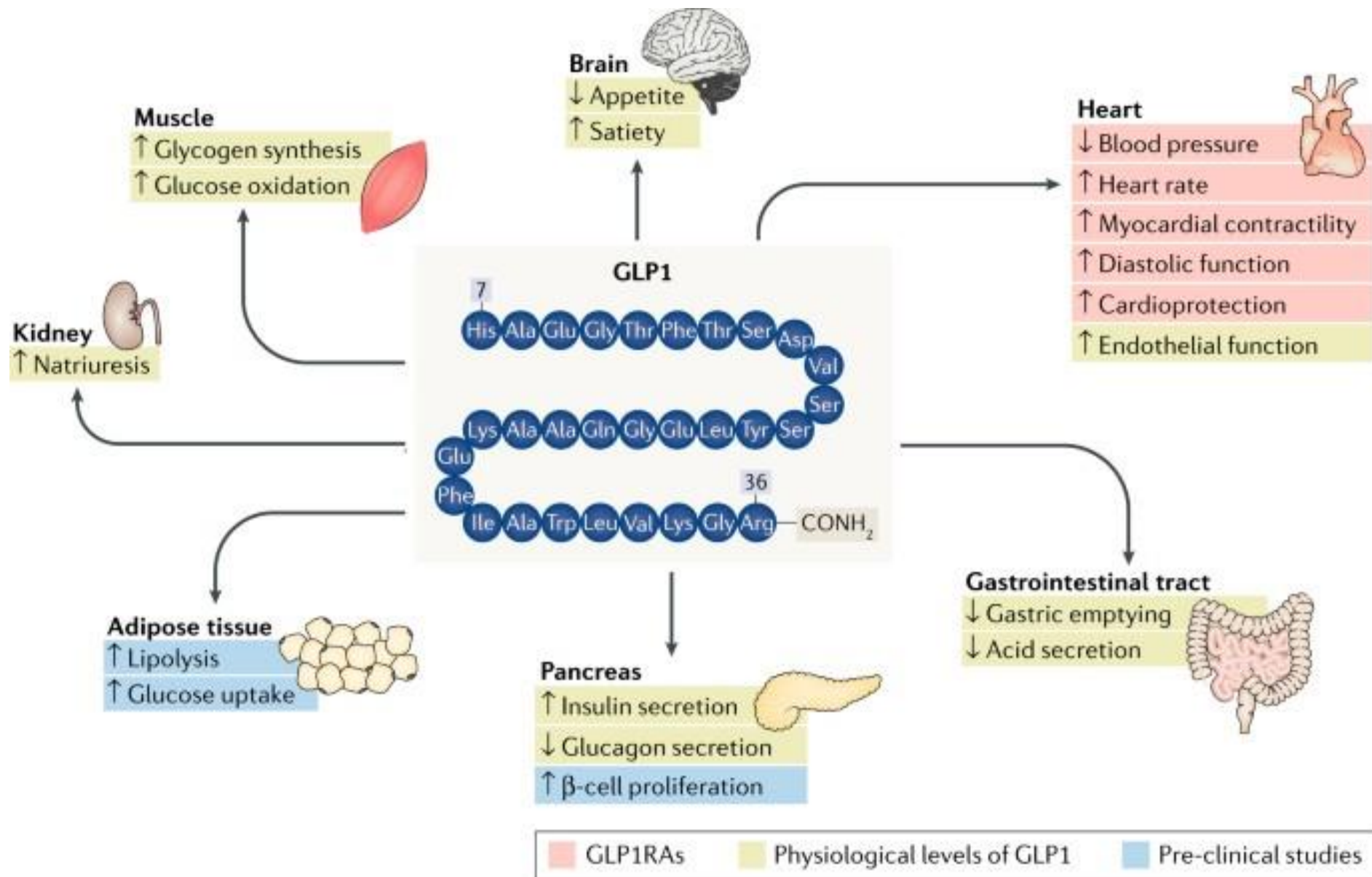
Effects of sodium-glucose cotransporter-2 inhibitors on serum urate levels and gout in patients with and without type 2 diabetes: a systematic review and network meta-analysis

Qiaozhi Hu^{1,2}  · Shiwen Yang³ · Bofei Zhang⁴ · Na Su^{1,4} 

- A total of 57 trials were included.
- **All SGLT-2 inhibitors reduced sUA levels.** These inhibitors demonstrated a spectrum of sUA-lowering effects, with empagliflozin and dapagliflozin exhibiting particularly robust efficacy
- Although there was a potential reduction in the incidence of gout associated with SGLT-2 inhibitors, the difference was not statistically significant.

Ρόλος του ενδογενούς GLP-1 στη ρύθμιση πρόσληψης ενέργειας

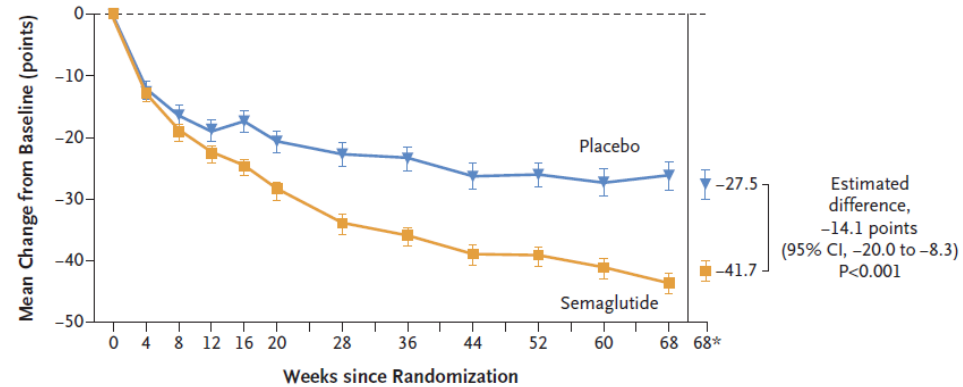




Once-Weekly Semaglutide in Persons with Obesity and Knee Osteoarthritis

H. Bliddal, H. Bays, S. Czernichow, J. Uddén Hemmingsson, J. Hjelvesæth, T. Hoffmann Morville, A. Koroleva, J. Skov Neergaard, P. Vélez Sánchez, S. Wharton, A. Wizert, and L.E. Kristensen, for the STEP 9 Study Group*

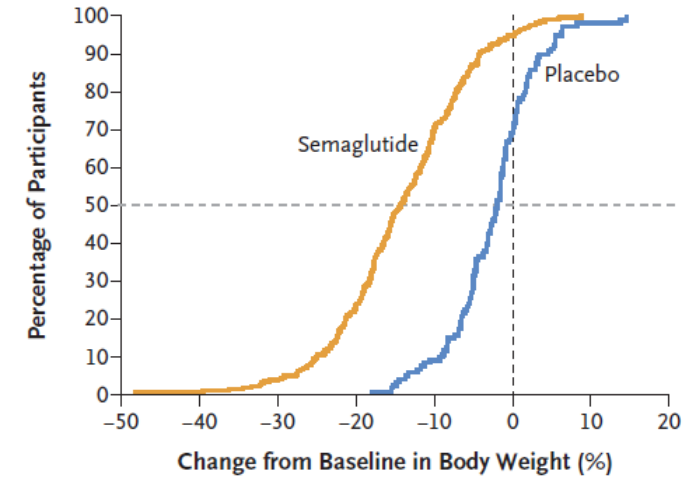
C Change in WOMAC Pain Score



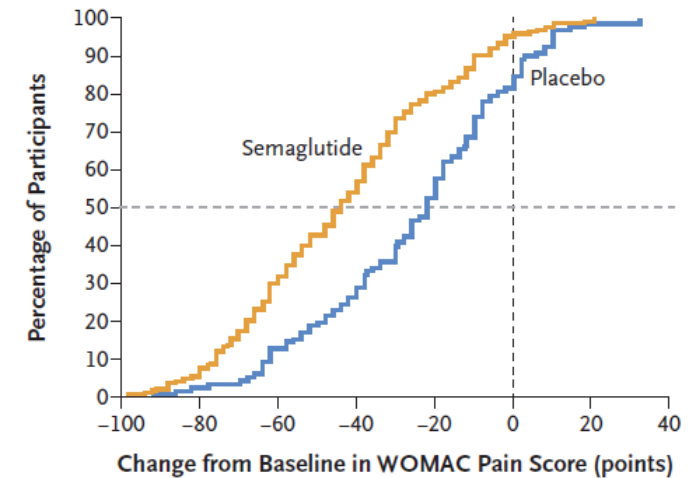
No. of Participants

Placebo	136	132	129	126	126	128	126	117	116	118	111	117	136
Semaglutide	271	262	260	256	257	256	251	250	245	245	239	245	271

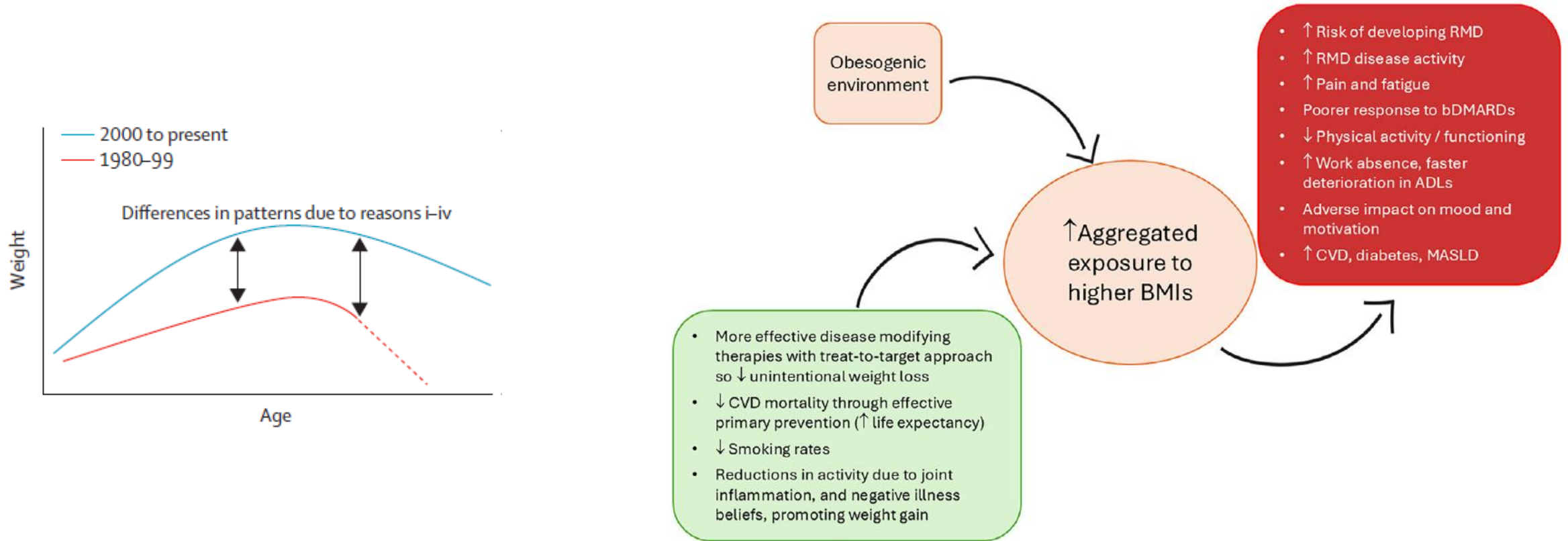
B Cumulative Frequency of Change from Baseline in Body Weight



D Cumulative Frequency of Change from Baseline in WOMAC Pain Score



Αναμενόμενη αύξηση της παχυσαρκίας σε ασθενείς με χρόνια νοσήματα



Προσφέρει όφελος η αντιμετώπιση της παχυσαρκίας στους ασθενείς με ρευματικές παθήσεις;

Clinical and epidemiological research

EXTENDED REPORT

Weight loss and achievement of minimal disease activity in patients with psoriatic arthritis starting treatment with tumour necrosis factor α blockers

Matteo Nicola Dario Di Minno,¹ Rosario Peluso,² Salvatore Iervolino,³ Anna Russolillo,¹ Roberta Lupoli,¹ Raffaele Scarpa,² on behalf of the CaRRDs Study Group

Ann Rheum Dis 2014;73:1157–1162

Klingberg et al. *Arthritis Research & Therapy*
<https://doi.org/10.1186/s13075-019-1810-5>

(2019) 21:17

Arthritis Research & Therapy

RESEARCH ARTICLE

Open Access



Weight loss improves disease activity in patients with psoriatic arthritis and obesity: an interventional study

Eva Klingberg^{1*} , Annelie Bilberg², Sofia Björkman³, Martin Hedberg⁴, Lennart Jacobsson¹, Helena Forsblad-d'Elia^{1,5}, Hans Carlsten¹, Björn Eliasson⁶ and Ingrid Larsson³

Υπάρχει ανάγκη για στοχευμένες μελέτες με τη χρήση και των νέων φαρμάκων

Ann Rheum Dis 84 (2025) 894–898



Contents lists available at [ScienceDirect](#)

Annals of the Rheumatic Diseases

journal homepage: <https://www.sciencedirect.com/journal/annals-of-the-rheumatic-dis>

Viewpoint

Obesity substantially impacts rheumatic and musculoskeletal diseases: time to act

Naveed Sattar^{1,*}, Lindsey J Sattar², Iain B McInnes³, Stefan Siebert⁴,
Lyn D Ferguson¹

Joint Bone Spine 92 (2025) 105904



Contents lists available at [ScienceDirect](#)

Joint Bone Spine

journal homepage: www.elsevier.com

Review

Weighing in on obesity and psoriatic arthritis – Time to move beyond association to robust randomised trials

Stefan Siebert^{a,*}, Naveed Sattar^b, Lyn D. Ferguson^b

Table 2

Current licenced weight loss therapies, mechanism of action, mean weight loss, and whether trial evidence is available for use in PsA.

Weight loss therapy	Dose, route of administration, frequency	Mechanism of action	Mean percentage weight loss	Trial evidence in PsA
Semaglutide	2.4 mg subcutaneous injection once weekly	GLP-1 receptor agonist	Up to 15–17% at 68 weeks	Nil to date
Liraglutide	3 mg subcutaneous injection once daily	GLP-1 receptor agonist	6–8%	Nil to date
Tirzepatide	15 mg subcutaneous injection once weekly	Dual GIP/GLP-1 receptor agonist	Up to 21% at around 72 weeks	RCT currently underway (TOGETHER PsA) to assess tirzepatide, alongside IL-17A inhibitor, on PsA disease outcomes and weight loss
Low-calorie diet	~850 kcal/day total diet replacement for 3 months with dietetic, physical activity and behaviour change support	Low calorie diet restriction	10%	Two trials (1 RCT and 1 uncontrolled) suggest dietary weight loss of $\geq 5\%$ associated with increased proportion of people achieving MDA

GIP: glucose-dependent insulintropic polypeptide; GLP-1: glucagon-like peptide-1; kcal: kilocalorie; MDA: minimal disease activity; PsA: psoriatic arthritis; RCT: randomised controlled trial.

Συμπεράσματα

- Το μεταβολικό σύνδρομο είναι συχνό στις φλεγμονώδεις ρευματικές παθήσεις
- Η παχυσαρκία αποτελεί παράγοντα κινδύνου για την εκδήλωση ΨΑ & ΡΑ
- Η παχυσαρκία σχετίζεται με πτωχότερες ρευματολογικές εκβάσεις
- Η υπερουριχαιμία σχετίζεται με το μεταβολικό σύνδρομο, τροφοδοτείται από αυτό και, σε ορισμένες περιπτώσεις, συμβάλλει στη συνολική κλινική επιδείνωση των ασθενών με ΜΣ
- Η απώλεια βάρους διαγράφεται ως κλειδί για τη βελτίωση της υγείας των ανθρώπων και – ενδεχομένως- και αυτών με ρευματικές παθήσεις
- Απαιτούνται μελέτες για την εκτίμηση της συμβολής της θεραπείας της παχυσαρκίας στις ρευματολογικές και τις μακροχρόνιες καρδιαγγειακές εκβάσεις



Ευχαριστώ