

Abbreviations

ABI: Ankle Brachial Index
ADA: American Diabetes Association
Alx: Augmentation index
AoS: Aortic stiffness
APS: Antiphospholipid syndrome
ASCVD-ACC/AHA: Pooled Cohort Risk Equations-American College of Cardiology/American Heart Association
BILAG: British Isles Lupus Assessment Group
BMD: Bone mineral density
CEC: Cholesterol Efflux Capacity
CES-D: Center for Epidemiological Studies-Depression
cIMT: Carotid intima-media thickness
CVD: Cardiovascular disease
ESRD: End-stage renal disease
FACIT-F: Functional Assessment of Chronic Illness Therapy – Fatigue
FMD: Flow-mediated dilation
FRS: Framingham Risk Score
GlycA: Glycoprotein acetylation
HOMA-IR: Homeostatic Model Assessment of Insulin Resistance
HRQOL-SF 36: Health-related quality of life -The Short Form-36 Health Survey
hs-CRP: High sensitive C-reactive protein
ICD-10: International Classification of Diseases 10th Revision.
IDL: Intermediate density lipoproteins
IL-6: Interleukin-6
LAP: Lipid accumulation product
LDL: low-density lipoprotein
Med Diet: Mediterranean diet

MEX-SLEDAI: Mexican Systemic Lupus Erythematosus Disease Activity Index
MFR: Myocardial flow reserve
mFRS: Modified Framingham Risk Score
MMP-1: Collagenase-1
MMP-7: Matrilysin
mSCORE: Modified Systematic Coronary Risk Evaluation
NETs: Neutrophil extracellular traps
NICE: National Institute for Health and Care Excellence
NLR: Neutrophil-to-lymphocyte ratio
N/S: Not stated
PGA: Physician Global Assessment score
PON1: Serum paraoxonase and arylesterase 1
PREDICTS: Predictors of Risk for Elevated Flares, Damage Progression and Increased Cardiovascular Disease in Patients with SLE
PROCAM: Prospective Cardiovascular Münster Study risk calculator
PWV: Pulse wave velocity
QAS: quality arterial stiffness
QRISK3: QRESEARCH risk estimator, version 3
SCORE: Systematic Coronary Risk Evaluation
SLAQ: Systemic Lupus Activity Questionnaire
SLEDAI: Systemic Lupus Erythematosus Disease Activity Index
SLICC/ACR-DI: Systemic Lupus International Collaborating Clinics/American College of Rheumatology-Damage index
TG/HDL-C: Serum levels of triglyceride/ high-density lipoprotein cholesterol ratio.
TNF: tumor necrosis factor
TRAIL: TNF-related apoptosis-inducing ligand

Table S1: Characteristics of individual evidence sources related to obesity.

Source	Year of publication	Country	Setting	Type of study reported by the authors	Time frame	Number of participants	Percentage of women	Obesity assessment	Obesity definition	Burden measures
Pesqueda-Cendejas K et al[39]	2022	Mexico	Specialized hospital clinic	Cross-sectional	3 years	176	100	BMI Waist-hip ratio Waist-height ratio Fat mass	World Health Organization criteria	hs-CRP
Sola Rodríguez S et al[30]	2021	Spain	Specialized hospital clinic	Cross-sectional	5 months	77	100	BMI Waist circumference Body fat percentage Waist-height ratio Waist-hip ratio	N/A	hs-CRP and IL-6 Leptin
Gergianaki I et al [69]	2021	Greece	Population-based registries	Cohort	44 month	399	91.2	BMI	World Health Organization criteria	BILAG
Shaaban A et al[37]	2021	Egypt	Specialized hospital clinic	Cross sectional	N/S	30	76.7	BMI Waist circumference waist-to-hip ratio	N/S	cIMT
Tsyhanyk L et al[76]	2021	Ukraine	Specialized hospital clinic	N/S	N/S	123	100	BMI	N/S	BMD
Sola-Rodriguez S et al[31]	2021	Spain	Specialized hospital clinic (multicentric)	Cross-sectional	5 month	77	100	BMI	N/S	Clustered cardiometabolic risk: Systolic blood pressure, fasting glucose, TG, HOMA-IR, TC/HDL-c, and hs-CRP

Borg A et al[28]	2021	Sweden	Specialized hospital clinic (Multicentric)	Clinical trials	13 months	1684	94.1	BMI	World Health Organization criteria	HRQoL-SF-36 FACIT-F
Pedrosa T et al[77]	2021	Brazil	Specialized hospital clinic	Cross-sectional	N/S	108	91.6	BMI	World Health Organization criteria	Risk of HCQ toxicity
Chanloung W et al[67]	2021	Thailand	Specialized hospital clinic	Cross-sectional	2 years	132	87	BMI	BMI >25 kg/m2	APS Criteria Manifestations
Campos-Lopez B et al[55]	2021	Mexico	Specialized hospital clinic	Cross-sectional	2 years	158	100	BMI Waist circumference Waist-height ratio Waist-hip ratio	World Health Organization criteria	SLICC-ACR DI Mex-SLEDAI hs-CRP Glucose Castelli index Kannel index TG/HDL-C ratio High TG/ low HDL-C Cardiometabolic index LAP score
Gomez A et al[79]	2021	Sweden	Specialized hospital clinic (Multicentric)	Cross-sectional	13 months	1684	94.1	BMI	World Health Organization criteria	HRQoL-SF-36 EQ-5D FACIT-F Cumulative prednisolone dosage Intravenous cyclophosphamide, among others Comorbidities prevalence
Dias-Santos A et al[74]	2020	Portugal	Specialized hospital clinic	Cross-sectional	1 year	68	85.2	BMI	N/S	Retinal neurodegeneration
Sanchez-Perez H et al [64]	2020	Spain	Specialized hospital clinic (Multicentric)	Cross-sectional	N/S	195	95	BMI Waist circumference	N/S	CEC cIMT
Ajeganova S et al[65]	2020	Sweden	Specialized hospital clinic	Prospective cohort	7 years	77	90	BMI Waist circumference	World Health Organization criteria	cIMT

Apostolopoulos D et al[78]	2020	Australia	Specialized hospital clinic	Cross-sectional	15 years	116	87.9	BMI	World Health Organization criteria	SLICC/ACR-DI SLEDAI-2K Resistin Lipocalin-2 TNF MCP-1 IL-6
Kang JH et al[80]	2020	Republic of Korea	Specialized hospital clinic (multicentric)	Prospective cohort	3 years	393	N/S	BMI Waist circumference Waist to hip ratio	World Health Organization criteria	Clinical manifestations prevalence SLEDAI-2K PGA SLICC/ACR-DI HRQoL-SF-36 Comorbid depression Newly developed lupus nephritis
Przywara-Chowaniec B et al[49]	2020	Poland	Specialized hospital clinic	N/S	45 month	38	89.4	BMI	N/S	SLEDAI
Pocovi-Gerardino G[63]	2020	Spain	Specialized hospital clinic (Multicentric)	Cross-sectional	22 month	139	90.6	BMI	N/S	hs-CRP Homocysteine
Alian S et al[72]	2019	Egypt	Specialized hospital clinic	Retrospective cohort	N/S	152	88.2	BMI	N/S	Mortality
Behiry ME et al[73]	2019	<i>Egypt</i>	Specialized hospital clinic	Cross-sectional	2 month	65	100	BMI	World Health Organization criteria	SLEDAI
Rodriguez M[42]	2019	Spain	specialized hospital clinic	Cross-sectional	N/S	78	92.3	BMI	World Health Organization (WHO) criteria	cIMT
Mellor-Pita S et al[46]	2019	Spain	Specialized hospital clinic	Cross-sectional	N/D	47	100	BMI Waist circumference	N/S	Vitamin D levels

Quevedo-Abeledo JC et al[47]	2019	Spain	Specialized hospital clinic (Multicentric)	Cross-sectional	N/S	276	95	BMI Waist circumference	N/S	cIMT
Li Z et al[20]	2019	China	Specialized hospital clinic	Cross-sectional	3 years	98	100	BMI Fat mas Bone mineral content Visceral Adipose Tissue volume Visceral Adipose Tissue mass Fat mass index Fat-free mass	N/S	SLEDAI-2K SLICC/ACR-DI Lipid profile C3/C4 serum levels hsCR Serum antibody level (ANA, anti-dsDNA, Anti-Smith, anti-Ro, Anti-La) Current or cumulative glucocorticoid dose Lipid profile Serum creatinin Uric acid hs-CRP
Fernandez-Garces M et al[50]	2019	Spain	Specialized hospital clinic (Multicentric)	Cross-sectiona	10 years	335	100	BMI Waist circumference	World Health Organization criteria	CVD
Meza-Meza MR[81]	2019	Mexico	Specialized hospital clinic	Cross-sectional	2 years	130	100	BMI	World Health Organization criteria	Mex-SLEDAI Glucose Lipid profile Blood pressure
Sola-Rodriguez S[29]	2019	Spain	Specialized hospital clinic (Multicentric)	Cross-sectional	5 months	77	100	BMI Waist circumference Body fat percentage Waist-height ratio Waist-hip ratio	N/S	Siconolfi step test 6 min walk test handgrip strength test 30 s chair stand back-scratch test

Teh P et al[15]	2019	USA	Specialized hospital clinic (Multicentric)	Population-based registries	3 years	137	92	BMI	World Health Organization criteria	SLEDAI Current steroid use Clinical manifestations prevalence (%)
Patterson SL et al[19]	2019	USA	Clinical- and community-based sources	Cross-sectional	N/S	138	100	BMI Fat mass index	Fat mass index ≥ 13 kg/m ² and World Health Organization criteria	SLAQ CES-D SF-36 Pain Subscale SF-36 Vitality Subscale
Yang XF et al [43]	2018	China	Specialized hospital clinic	Cross-sectional	10 month	90	100	BMI	N/S	baPWV
Baragetti A et al[21]	2018	Italy	Specialized hospital clinic	Prospective cohort	5 years	40	90	BMI Waist-hip ratio	N/S	cIMT SLEDAI-2K SLICC/ACR DI PGA
Seguro LPC et al[75]	2018	Brazil	Specialized hospital clinic	N/S	N/S	63	100	BMI Visceral adipose tissue	N/S	CRP HDL LDL TC TG Cumulative glucocorticoid dose
Wigren M et al[22]	2018	Sweden	Specialized hospital clinic	Cohort	9 years	470	88	BMI	N/S	cIMT CVD
Vazquez-Del Mercado M[12]	2018	Mexico	Specialized hospital clinic	N/S	18 month	67	17.9	BMI Waist circumference	World Health Organization criteria	QRISK3 cIMT PWV cfPWV Artery Distensibility
Garcia-Carrasco M[45]	2018	Mexico	Specialized hospital clinic	Cross-sectional	18 month	66	100	BMI Waist circumference	N/S	cIMT
Hammam N et al[82]	2018	Egypt	Specialized hospital clinic	Cross-sectional	2 years	74	87.8	BMI	N/S	SLEDAI-2K

								Waist circumference		
Romero-Diaz J et al[3]	2018	Mexico	Specialized hospital clinic	N/S	7 years	95	0	BMI Waist circumference	N/S	Coronary artery calcium score
Tziomalos K et al[33]	2017	Greece	Specialized hospital clinic	N/S	2 years	55	87.3	BMI Waist circumference Waist/hip ratio	N/S	PWV ABI
Sanchez-Perez H et al[38]	2017	Spain	Specialized hospital clinic	Cross-sectional	5 years	87	95	BMI Waist circumference	N/S	HOMA2B%-C-peptide HOMA2-IR
Garcia-Garcia P et al[35]	2017	Spain	Specialized hospital clinic	Cross-sectional	N/S	61	100	BMI	N/S	Cystatin C
Mak A et al[83]	2017	Singapore	Specialized hospital clinic	Case-control	N/S	71	91.6	BMI	N/S	FMD cIMT
Tektonidou MG et al [84]	2017	Greece	Specialized hospital clinic	N/S	2 years	115	92	BMI	N/S	cIMT
Tsang M et al [85]	2017	The Netherlands	Specialized hospital clinic (Multicentric)	Prospective cohort	N/D	165	90.2	BMI	N/S	SLICC/ACR-DI

Table S2: Characteristics of individual evidence sources related to diabetes mellitus.

Source	Year of publication	Country	Setting	Type of study reported by the authors	Time frame	Number of participants	Percentage of women	Diabetes mellitus definition	Burden measures
Chanloun W et al[67]	2021	Thailand	Specialized hospital clinic	Cross-sectional	2 years	132	87	NICE Guidelines	APS Criteria Manifestations
Gergianaki I et al [69]	2021	Greece	Population-based registry	Cohort	44 month	399	91.2	N/S	BILAG
Gamal SM et al[71]	2021	Egypt	Specialized hospital clinic (multicenter)	Retrospective study	3 years	565	92.5	N/S	Lupus vasculitis
Sanchez-Perez H[64]	2020	Spain	Specialized hospital clinic (Multicentric)	Cross-sectional	N/S	195	95	N/S	CEC cIMT
Ammar W et al[36]	2020	Egypt	Specialized hospital clinic	Cross-sectional	N/S	50	94	N/S	AoS QAS FMD cIMT PWV
Ajeganova S et al[65]	2020	Sweden	Specialized hospital clinic	Prospective cohort	7 years	77	90	History of diabetes mellitus prescription of antidiabetic drugs	cIMT
Quevedo-Abeledo JC et al[47]	2019	Spain	Specialized hospital clinic (Multicentric)	Cross-sectional	N/S	276	95	N/S	cIMT
Fernandez-Garcés M et al[50]	2019	Spain	Specialized hospital clinic (Multicentric)	Cross-sectiona	10 years	335	100	Previous diagnosis or ≥ 2 measurements of fasting serum glucose ≥ 126 mg/dL and/or use of antidiabetic medications	CVD
Mellor-Pita S et al[46]	2019	Spain	Specialized hospital clinic	Cross-sectional	N/S	47	100	Patient was treated with oral agents	Vitamin D levels

								or insulin or if fasting glucose was ≥ 126 mg/dl	
Petri MA et al[48]	2019	USA	Specialized hospital clinic	Cohort	1 year	1721	92	N/S	CVD
Baragetti A et al[21]	2018	Italy	Specialized hospital clinic	Prospective cohort	5 years	40	90	ADA criteria 2016	cIMT SLEDAI-2K SLICC/ACR-DI PGA
Jordan-Gonzalez P et al[66]	2018	Puerto Rico/ USA	Hospitalized patients	Retrospective study	8 years	129	89.9	N/S	Risk of infections
Jiang MY et al[68]	2018	Taiwan	National population-based registry	Retrospective cohort	12 years	1317	91	At least 1 time of diagnosis of Diabetes Mellitus, or a prescription for anti-diabetic medication in the registry data.	ESRD incidence survival since ESRD diagnosis
Romero-Diaz J et al[3]	2018	Mexico	Specialized hospital clinic	N/S	7 years	95	0	N/S	Coronary artery calcium score
Wigren M et al[22]	2018	Sweden	Specialized hospital clinic	Cohort	9 years	470	88	N/S	CVD cIMT
Vazquez-Del Mercado M[12]	2018	Mexico	Specialized hospital clinic	N/S	18 month	67	17.9	N/S	QRISK3
Garcia-Garcia P et al[35]	2017	Spain	Specialized hospital clinic	Cross-sectional	N/S	61	100	Patient was treated with oral agents or insulin or if fasting glucose was ≥ 126 mg/dl	Cystatin C
Falasinu T et al[70]	2017	USA	Population-based registry	Cross-sectional	1 year	2036	86.2	ICD-10 as cause of death	Mortality

Table S3: Characteristics of individual evidence sources related to cardiovascular risk.

Source	Year of publication	Country	Setting	Type of study reported by the authors	Time frame	Number of participants	Percentage of women	Cardiovascular risk assessment	Percentage of patients with cardiovascular risk >10% or with atherosclerotic plaques	Associated factors
Zhu L et al[26]	2022	USA	Specialized hospital clinic (Multicentric)	Prospective cohort	15 years	366	97	QRISK3 FRS mFRS PREDICTS ASCVD-ACC/AHA	N/S	N/S
Pesqueda-Cendejas K et al[39]	2022	Mexico	Specialized hospital clinic	Cross-sectional	3 years	176	100	Castelli index Kannel index TG/HDL-C ratio Cardiometaabolic index LAP hs-CRP	N/S	Mex-SLEDAI
Shaaban A et al[37]	2021	Egypt	Specialized hospital clinic	Cross sectional	N/S	30	76.7	cIMT	N/S	N/S
Patino-Trives AM et al[53]	2021	Spain	Specialized hospital clinic	Cross-sectional	2 years	80	90	cIMT Plasma atherogenic index ApoB/ApoA ratio	N/S	Positivity, titers and persistence of anti-dsDNA. altered transcriptomic signatures in monocytes NETosis-derived products
Weber BN et al[54]	2021	USA	Specialized hospital clinic	Prospective cohort	12 years	42	97	MFR Coronary artery calcium score	N/S	Age Disease duration
Sivakumaran J et al[14]	2021	Canada	Specialized hospital clinic	Retrospective cohort	47 years	1887	88	QRISK2 QRISK3 FRS mFRS	QRISK2: 13 QRISK3: 20 FRS: 14.5 mFRS:17.5	N/S

								SLE Cardiovascular risk equation	SLE Cardiovascular risk equation: 48.5	
Sola-Rodriguez S et al[31]	2021	Spain	Specialized hospital clinic (multicentric)	Cross-sectional	5 month	77	100	Clustered cardiometabolic risk: Systolic blood pressure, fasting glucose, TG, HOMA-IR, TC/HDL-c, and hs-CRP	N/S	Relative Handgrip Strength BMI
Campos-Lopez B et al[55]	2021	Mexico	Specialized hospital clinic	Cross-sectional	2 years	158	100	Glucose Castelli index Kannel index tG/HDL-C ratio, High TG/ low HDL-C Cardiometabolic index LAP score hs-CRP Waist to height ratio Waist to hip ratio	N/S	Disease duration Mex-SLEDAI
Chew C et al[18]	2021	Multi-site	Specialized hospital clinic (multicentric)	Cross-sectional	13 years	1163	88.9	HOMA-IR Fasting insulin Fasting glucose HDL-C TG TC Diastolic Blood Pressure Systolic Blood pressure Waist circumference	N/D	Vitamin D
Croca SC et al[56]	2021	UK	Specialized hospital clinic	N/S	N/S	100	95	Femoral and carotid IMT	36	TG Prednisolone therapy Persistent disease activity
Correa-Rodriguez M et al[57]	2021	Spain	Specialized hospital clinic (Multicentric)	Cross-sectional	N/S	264	89.4	Risk factors: Smoking, Hypertension, Dyslipidemia, Diabetes, Obesity ABI	N/S	N/S

Quevedo- Abeledo JC et al[61]	2021	Spain	Specialized hospital clinic (Multicentric)	Cross- sectional	N/S	195	95	Atherogenic Index CEC Apo B:Apo A ratio	N/S	N/S
Pocovi- Gerardino G, et al[62]	2021	Spain	Specialized hospital clinic (Multicentric)	Cross- sectional	N/S	280	90.4	hs-CRP homocysteine Lipid profile BMI Fat mass percentage ABI Type II diabetes Arterial hypertension	N/S	Med Diet adherence
Di Battista M et al[34]	2020	Italy	Specialized hospital clinic	Cohort	4 month	123	90.2	FRS QRISK3 ASCVD-ACC/AHA	FRS: 23.6 QRISK3: 35.8 ASCVD- ACC/AHA: 13.8	N/S
Ammar W et al[36]	2020	Egypt	Specialized hospital clinic	Cross- sectional	N/S	50	94	AoS QAS FMD cIMT PWV	N/S	Disease duration Arterial hypertension
Przywara- Chowaniec B et al[49]	2020	Poland	Specialized hospital clinic	N/S	45 month	38	89.4	cIMT QRISK3	N/S	Disease duration
Masson W et al[51]	2020	Argentina	Specialized hospital clinic (Multicentric)	Cross- sectional	18 years	110	N/S	QRISK-3 mFRS	QRISK-3: 42.1 mFRS:54.8	N/S
Salveti M[52]	2020	Italy	Specialized hospital clinic	N/S	10 month	33	100	FRS PWV cIMT	42	Weekly steroids dose
Drosos GC et al[13]	2020	Greece	Specialized hospital clinic	Prospective cohort	N/S	210	93.3	SCORE FRS ASCVD-ACA/AHA PROCAM mSCORE mFRS	SCORE : 7.6 mSCORE:9.0 FRS: 4.1 mFRS: 17.0 QRISK3:32.2	Age Pack-years smoking Cumulative corticosteroid dose

								QRISK3 cIMT	ASCVD: 13.2 PROCAM: 1.9% Carotid* plaques were detected in 19.5%, femoral plaques in 14.3% and plaques at both sites in 10.6% of patients	
Bortoluzzi A et al[25]	2020	Italy	Specialized hospital clinic (Multicentric)	Cohort	2 years	20	100	cIMT	N/S	N/S
Casey KA et al[24]	2020	USA	Specialized hospital clinic (Multicentric)	Clinical trial	2 years	305	93.4	CEC Lipid profile GlycA HOMA-IR NET formation	N/S	N/S
Legge A[32]	2020	Canada	Specialized hospital clinic	Cross-sectional	12 month	100	92	ASCVD-ACC/AHA TC/HDL ratio, TG Blood pressure BMI	20	Moderate-vigorous physical activity (accelerometry)
Pocovi-Gerardino G[63]	2020	Spain	Specialized hospital clinic (multicentric)	Cross-sectional	22 month	139	90.6	Risk factors: Obesity, Diabetes mellitus, Arterial hypertension, Lipid profile ABI	N/S	hs-CRP Homocysteine
Lopez P et al[23]	2020	Spain	Specialized hospital clinic	Cohort	N/S	109	94	cIMT	33.9	CD16_ low-density granulocytes and monocyte-to-high density lipoprotein ratios
Sanchez-Perez H[64]	2020	Spain	Specialized hospital	Cross-sectional	N/S	195	95	CEC cIMT	34	N/S

			clinic (Multicentric)					Apo B:Apo A ratio Atherogenic Index		
Ajeganova S et al[65]	2020	Sweden	Specialized hospital clinic	Prospective cohort	7 years	77	90	cIMT	39	Lupus nephritis Corticosteroids use Arterial hypertension TC/HDL ratio LDL/HDL ratio
Rodriguez M et al[42]	2019	Spain	Specialized hospital clinic	Cross-sectional	N/D	78	92.3	cIMT	12.8	IDL and LDL net charge Age
Mellor-Pita S et al[46]	2019	Spain	Specialized hospital clinic	Cross-sectional	N/S	47	100	PWV cIMT Risk factors prevalence: arterial hypertension, diabetes mellitus,hyperlipidemia, family history of cardiovascular, metabolic syndrome hs-CRP Homocysteine Uric acid Creatinine clearance Microalbumin/creatinine	48	Vitamin D levels
Quevedo-Abeledo JC et al[47]	2019	Spain	Specialized hospital clinic (Multicentric)	Cross-sectional	N/S	276	95	SCORE cIMT	36	Disease duration SLICC/DI
Petri MA et al[48]	2019	USA	Specialized hospital clinic	Cohort	1 year	1721	92	ASCVD-ACC/AHA FRS	N/S	N/S
Li Z et al[20]	2019	China	Specialized hospital clinic	Cross-sectional	3 years	98	100	Glucose Creatinine Uric acid hs-CRP TG TC HDL-C	N/S	Visceral adipose tissue

								LDL-C		
Fernandez-Garces M et al[50]	2019	Spain	Specialized hospital clinic (Multicentric)	Cross-sectional	10 years	335	100	cIMT ABI BMD Homocysteine hs-CRP Arterial hypertension Smoking Dyslipidemia Sedentary lifestyle Early menopause Diabetes Lipid profile	20.7	CVD
Chandrashekara S et al[59]	2019	India	Specialized hospital clinic	Cross-sectional	7 month	9	100	Atherogenic index of plasma	N/S	Uric acid levels
Rashad NM et al[60]	2019	Egypt	Specialized hospital clinic	Case-control	N/S	140	100	cIMT	N/S	Resistin +299G/A gene polymorphisms
Jafri K et al[27]	2018	USA	Clinical and community-based sources (Multicentric)	Cross-sectional	N/S	157	93	FRS mFRS ASCVD-ACC/AHA	N/S	N/S
Yang XF et al [43]	2018	China	Specialized hospital clinic	Cross-sectional	10 month	90	100	ABI PWV	N/S	Arterial hypertension NLR SLEDAI
Giannelou Met al [44]	2018	Greece	Specialized hospital clinic	Cross-sectional	N/S	150	94	cIMT	55.3	Hyperhomocysteinemia MTHFR 677TT genotype
Wigren M et al[22]	2018	Sweden	Specialized hospital clinic	Cohort	9 years	470	88	cIMT	20.4	Fas TNF receptor 1 TRAIL receptor 2 MMP-7
Garcia-Carrasco M[45]	2018	Mexico	Specialized hospital clinic	Cross-sectional	18 month	66	100	cIMT mFRS	59	Levels of Treg cells

Vazquez-Del Mercado M[12]	2018	Mexico	Specialized hospital clinic	N/S	18 month	67	17.9	QRISK 3 cIMT PWV cfPWV Arterial distensibility	QRISK3 : 15.2	Age BMI
Baragetti A et al[21]	2018	Italy	Specialized hospital clinic	Prospective cohort	5 years	40	90	cIMT FRS SLE Cardiovascular Risk Equation	32	Levels of CD4 ⁺ CCR5 ⁺ T cells SLEDAI
Fox H et al[58]	2018	Germany	specialized hospital clinic	Prospective study	1 year	35	74.5	ABI cIMT	N/S	N/S
Tziomalos K et al[33]	2017	Greece	Specialized hospital clinic	N/S	2 years	55	87.3	ABI PWV AIx	N/S	N/S
Garcia-Garcia P et al[35]	2017	Spain	Specialized hospital clinic	Cross-sectional	N/S	61	100	PWV cIMT	N/S	Arterial hypertension Metabolic syndrome Hypertriglyceridemia Smoking
Sanchez-Perez H et al[38]	2017	Spain	Specialized hospital clinic	Cross-sectional	5 years	87	95	cIMT	20%	N/S
Cypiene A et al[40]	2017	Lithuania	Specialized hospital clinic	Cross sectional	8 years	93	92.9	PWV AIx FMD	N/S	MBP
Lopez P et al[41]	2017	Spain	Specialized hospital clinic	Cohort	N/D	118	94.9	cIMT	32	anti-PON1 antibodies anti-HDL antibodies