

Supplementary Table S1. Search strategy.**Pubmed (- Present)**

("Scleroderma, Systemic"[Mesh] OR "Scleroderma, Localized"[Mesh] OR scleroderm*[tiab] OR "systemic sclero*" [tiab] OR "crest syndrome"[tiab] OR "crst syndrome"[tiab] OR raynaud*[tiab] OR "coup de sabre"[tiab])
 AND
 ("Adipose Tissue"[Mesh] OR "Stromal Vascular Fraction"[Mesh] OR "Cell- and Tissue-Based Therapy"[Mesh:NoExp] OR "Cell Transplantation"[Mesh:NoExp] OR "Stem Cell Transplantation"[Mesh] OR "Regenerative Medicine"[Mesh] OR "Platelet-Rich Plasma"[Mesh] OR "Stem Cells"[Mesh:NoExp] OR "Stromal Cells"[Mesh] OR "Transplantation, Autologous"[Mesh] OR "Tissue Transplantation"[Mesh:NoExp] OR "Skin Transplantation"[Mesh] OR "Adipocytes"[Mesh] OR "Lipectomy"[Mesh] OR "transplantation"[sh] OR lipo*[tiab] OR lipect*[tiab] OR fat[tiab] OR adipose[tiab] OR transplant*[tiab] OR fatgraft*[tiab] OR nanofat*[tiab] OR microfat[tiab] OR stromal[tiab] OR "stem cell*" [tiab] OR ("platelet rich"[tiab] OR prp[tiab]) AND (plasma[tiab] OR fibrin[tiab] OR injection*[tiab])) OR "L-PRF"[tiab] OR autolog*[tiab] OR autograft*[tiab] OR regenerat*[tiab])
 AND
 ("Stomatognathic Diseases"[Mesh] OR "Head"[Mesh] OR facial[tiab] OR face[tiab] OR forehead[tiab] OR head[tiab] OR scalp[tiab] OR mouth[tiab] OR microstomia*[tiab] OR front*[tiab] OR lip[tiab] OR lips[tiab] OR chin[tiab] OR hair[tiab] OR eyebrow*[tiab] OR orbit*[tiab] OR infraorbit*[tiab] OR nose[tiab] OR "coup de sabre"[tiab] OR "linear scleroderma*" [tiab] OR alopecia[tiab] OR speech[tiab] OR masticat*[tiab] OR dental[tiab] OR xerostomia[tiab] OR dysphagia[tiab] OR "bite force"[tiab] OR stomatognathic[tiab] OR masseter[tiab] OR aesthet* OR esthet* OR cosmet* OR "orofac*" OR "oro-fac*" OR "oral" OR "craniofac*" OR "maxillofac*" OR "plastic")
 NOT
 ("Animals"[Mesh] NOT "Humans"[Mesh])

Embase (- Present)

('systemic sclerosis'/exp OR 'scleroderma'/de/mj OR 'localized scleroderma'/exp/mj OR (scleroderm* OR 'systemic sclero*' OR 'crest syndrome' OR 'crst syndrome' OR raynaud* OR 'coup de sabre'):ab,ti,kw)
 AND
 ('adipose tissue'/exp OR 'adipose tissue cell'/exp OR 'adipogenesis'/exp OR 'stroma cell'/exp OR 'mesenchymal stromal cell therapy'/exp OR 'stem cell'/de OR 'cell transplantation'/exp OR 'cell therapy'/de OR 'tissue transplantation'/de OR 'skin transplantation'/de OR 'tissue graft'/de OR 'autotransplantation'/exp OR 'regenerative medicine'/exp OR 'plasma skin regeneration'/exp OR 'tissue regeneration'/de OR 'thrombocyte rich plasma'/exp OR 'platelet-rich plasma cell'/exp OR 'liposuction'/exp OR 'lipolysis'/exp OR 'lipofilling'/exp OR 'fat transfer'/exp OR 'autologous fat transfer'/exp OR 'lipectomy'/exp OR 'lipid transport'/de OR (lipo* OR lipect* OR fat OR adipose OR transplant* OR fatgraft* OR nanofat* OR microfat OR stromal OR 'stem cell*' OR ("platelet rich" OR prp) AND (plasma OR fibrin OR injection*)) OR 'L-PRF' OR autolog* OR autograft* OR regenerat*):ab,ti,kw)
 AND
 ('mouth disease'/exp OR 'microstomia'/exp OR 'stomatognathic system'/exp OR 'head'/exp OR 'face deformity'/exp OR 'esthetics'/exp OR (facial OR face OR forehead OR head OR scalp OR mouth OR microstomia* OR front* OR lip OR lips OR chin OR orbit* OR infraorbit* OR nose OR hair OR eyebrow* OR 'coup de sabre' OR 'linear scleroderma*' OR alopecia OR speech OR masticat* OR dental OR xerostomia OR dysphagia OR 'bite force' OR stomatognathic OR masseter):ab,ti,kw OR 'aesthet*' OR 'esthet*' OR 'cosmet*' OR 'orofac*' OR 'oro-fac*' OR 'oral' OR 'craniofac*' OR 'maxillofac*' OR 'plastic')
 NOT
 (('animal'/exp NOT 'human'/exp) OR 'conference abstract'/it)

CINAHL (Ebsco) (- Present)

((MH "Scleroderma, Systemic+" OR MH "Scleroderma, Circumscribed" OR MH "Raynaud's Disease+" OR TI (scleroderm* OR "systemic sclero*" OR "crest syndrome" OR "crst syndrome" OR raynaud* OR "coup de sabre")) OR AB (scleroderm* OR "systemic sclero*" OR "crest syndrome" OR "crst syndrome" OR raynaud* OR "coup de sabre"))
 AND
 ((MH "Adipose Tissue+" OR MH "Stromal Cells+" OR MH "Stem Cells+" OR MH "Cell Therapy" OR MH "Tissue Transplantation" OR MH "Cell Transplantation+" OR MH "Skin Transplantation" OR MH "Grafts" OR MH "Autografts" OR MH "Platelet-Rich Plasma+" OR MH "Lipectomy" OR MH "Lipids" OR MH "Fats+" OR TI (lipo* OR lipect* OR fat OR adipose OR transplant* OR fatgraft* OR nanofat* OR microfat OR stromal OR "stem cell*" OR ("platelet rich" OR prp) AND (plasma OR fibrin OR injection*)) OR "L-PRF" OR autolog* OR autograft* OR regenerat*) OR AB (lipo* OR lipect* OR fat OR adipose OR transplant* OR fatgraft* OR nanofat* OR microfat OR stromal OR "stem cell*" OR ("platelet rich" OR prp) AND (plasma OR fibrin OR injection*)) OR "L-PRF" OR autolog* OR autograft* OR regenerat*))
 AND
 ((MH "Mouth Diseases+" OR MH "Stomatognathic Diseases+" OR MH "Stomatognathic System+" OR MH "Head+" OR MH "Esthetics+" OR TX (facial OR face OR forehead OR head OR scalp OR mouth OR microstomia* OR front* OR lip OR lips OR chin OR orbit* OR infraorbit* OR nose OR hair OR eyebrow* OR "coup de sabre" OR "linear scleroderma*" OR alopecia OR speech OR masticat* OR dental OR xerostomia OR dysphagia OR "bite force" OR stomatognathic OR masseter) OR ALL=(aesthet* OR esthet* OR cosmet* OR orofac* OR "oro-fac*" OR oral OR craniofac* OR maxillofac* OR "plastic"))

Web of Science (- Present)

(TS=("scleroderm*" OR "systemic sclero*" OR "crest syndrome" OR "crst syndrome" OR "raynaud*" OR "coup de sabre"))
 AND
 (TS=("lipo*" OR "lipect*" OR "fat" OR "adipose" OR "transplant*" OR "fatgraft*" OR "nanofat*" OR "microfat" OR "stromal" OR "stem cell*" OR ("platelet rich" OR "prp") AND ("plasma" OR "fibrin" OR "injection*")) OR "L-PRF" OR "autolog*" OR "autograft*" OR "regenerat*"))
 AND
 (TS=(facial OR face OR forehead OR head OR scalp OR mouth OR microstomia* OR front* OR lip OR lips OR chin OR orbit* OR infraorbit* OR nose OR hair OR eyebrow* OR "coup de sabre" OR "linear scleroderma*" OR alopecia OR speech OR masticat* OR dental OR xerostomia OR dysphagia OR "bite force" OR stomatognathic OR masseter) OR ALL=(aesthet* OR esthet* OR cosmet* OR orofac* OR "oro-fac*" OR oral OR craniofac* OR maxillofac* OR "plastic"))
 NOT
 (DT="meeting abstract" OR TI=(animal OR animals OR mouse OR mice OR rat OR rats OR murine))

Cochrane Library (Trials) (- Present)

[mh "Scleroderma, Systemic"] OR [mh "Scleroderma, Localized"] OR scleroderm*:ti,ab OR ("systemic" NEXT sclero*):ti,ab OR "crest syndrome":ti,ab OR "crst syndrome":ti,ab OR raynaud*:ti,ab OR "coup de sabre":ti,ab)
 AND
 ([mh "Adipose Tissue"] OR [mh "Stromal Vascular Fraction"] OR [mh "Cell- and Tissue-Based Therapy"] OR [mh "Cell Transplantation"] OR [mh "Stem Cell Transplantation"] OR [mh "Regenerative Medicine"] OR [mh "Platelet-Rich Plasma"] OR [mh "Stem Cells"] OR [mh "Stromal Cells"] OR [mh "Transplantation, Autologous"] OR [mh "Tissue Transplantation"] OR [mh "Skin Transplantation"] OR [mh Adipocytes] OR [mh Lipectomy] OR lipo*:ti,ab OR lipect*:ti,ab OR fat:ti,ab OR adipose:ti,ab OR transplant*:ti,ab OR fatgraft*:ti,ab OR nanofat*:ti,ab OR microfat:ti,ab OR stromal:ti,ab OR ("stem" NEXT cell*):ti,ab OR ("platelet rich":ti,ab OR prp:ti,ab) AND (plasma:ti,ab OR fibrin:ti,ab OR injection*:ti,ab)) OR L-PRF:ti,ab OR autolog*:ti,ab OR autograft*:ti,ab OR regenerat*:ti,ab)
 AND
 ([mh "Stomatognathic Diseases"] OR [mh Head] OR facial:ti,ab OR face:ti,ab OR forehead:ti,ab OR head:ti,ab OR scalp:ti,ab OR mouth:ti,ab OR microstomia*:ti,ab OR front*:ti,ab OR lip:ti,ab OR lips:ti,ab OR chin:ti,ab OR orbit*:ti,ab OR infraorbit*:ti,ab OR nose:ti,ab OR hair:ti,ab OR eyebrow*:ti,ab OR "coup de sabre":ti,ab OR "linear scleroderma":ti,ab OR alopecia:ti,ab OR speech:ti,ab OR masticat*:ti,ab OR dental:ti,ab OR xerostomia:ti,ab OR dysphagia:ti,ab OR "bite force":ti,ab OR stomatognathic:ti,ab OR masseter:ti,ab OR aesthet* OR esthet* OR cosmet* OR orofac* OR oro-fac* OR oral OR craniofac* OR maxillofac* OR plastic)

Supplementary Table S2. Inclusion and exclusion criteria of this systematic review.

Inclusion criteria	Exclusion criteria
Human English language articles Scleroderma patients (or CREST syndrome) with cutaneous involvement of the face.	Cadaver-/anatomic-/animal study Study type - Systematic review - Conference abstract - Letters to editor - Case studies
Type of graft - Autologous graft	Type of graft - Xenologous graft - Allogeneic graft - Concomitant procedures
Treatment/intervention: - Lipofilling/fat grafting - Micro-fat - Nano-fat - Stromal Vascular Fraction (SVF) - Adipose stem cells (ASCs) - Adipose derived stem cells (ASCs) - Adipose derived regenerative cells (ADRC) - Cultured adipose stem cells (cASCs) - Mesenchymal stem cells (MSC) - Platelet-rich plasma (PRP) - Platelet-rich fibrin (PRF) - Bone marrow stem cells (BMSC) - Bone marrow derived stem cells (BMDSC)	
Injection site - Face	