

Supplemental Online Content

Kamran R, Jackman L, Chan C et al. Implementation of patient-reported outcome measures for gender-affirming care worldwide: a systematic review. *JAMA Netw Open*. 2023;6(4):e236425. doi:10.1001/jamanetworkopen.2023.6425

eAppendix 1. Search Strategy

eTable 1. Overview of Countries for Articles Included in Systematic Review

eTable 2. Oxford Centre for Evidence-Based Medicine Levels of Evidence for Included Studies

eTable 3. Data Collection Platform for Patient-Reported Outcome Measure (PROM) Administration in Gender-Affirming Care

eTable 4. Data Security for Patient-Reported Outcome Measures (PROMs) in Gender-Affirming Care

eTable 5. Patient-Reported Outcome Measure (PROM) Score Reporting in Gender-Affirming Care

eTable 6. Patient-Reported Outcome Measure (PROM) Result Application in Gender-Affirming Care

eTable 7. Critical Appraisal Skills Programme (CASP) Checklist Results for Included Articles

eAppendix 2. List of Included Articles

This supplemental material has been provided by the authors to give readers additional information about their work.

eAppendix 1. Search Strategy

The rows in each table below were combined with the AND Function

PUBMED
((((((("Patient Outcome Assessment"[Mesh] OR HR-PRO[tiab] OR HRPRO[tiab] OR HRQL[tiab] OR HRQoL[tiab] OR QL[tiab] OR QoL[tiab] OR quality of life[tw] OR life quality[tw] OR health index*[tiab] OR health indices[tiab] OR health profile*[tiab] OR health status[tw] OR ((patient[tiab] OR self[tiab] OR child[tiab] OR parent[tiab] OR carer[tiab] OR proxy[tiab]) AND ((report[tiab] OR reported[tiab] OR reporting[tiab]) OR (rated[tiab] OR rating[tiab] OR ratings[tiab]) OR based[tiab] OR (assessed[tiab] OR assessment[tiab] OR assessments[tiab]))) OR ((disability[tiab] OR function[tiab] OR functional[tiab] OR functions[tiab] OR subjective[tiab] OR satisfaction[tiab] OR implementation[tiab] OR health services[tiab] OR utility[tiab] OR utilities[tiab] OR wellbeing[tiab] OR well being[tiab]) AND (index[tiab] OR indices[tiab] OR instrument[tiab] OR instruments[tiab] OR measure[tiab] OR measures[tiab] OR questionnaire[tiab] OR questionnaires[tiab] OR profile[tiab] OR profiles[tiab] OR scale[tiab] OR scales[tiab] OR score[tiab] OR scores[tiab] OR status[tiab] OR survey[tiab] OR surveys[tiab] OR PROM [tiab])))
("Transsexualism"[Mesh] OR "Transvestism"[Mesh] OR "Transgender Persons"[Mesh] OR "Sex Reassignment Procedures"[Mesh] OR "Health Services for Transgender Persons"[Mesh] OR "Gender Identity"[Mesh] OR "Gender Dysphoria"[Mesh]) OR (transgender*[tw] OR transsexual*[tw] OR "gender identit*[tw] OR "sex reassignment*[tw] OR "gender dysphori*[tw] OR "gender euphori*[tw] OR "trans men"[tw] OR "trans man"[tw] OR "trans women"[tw] OR "trans woman"[tw] OR "cross gender*[tw] OR crossgender*[tw] OR "trans people"[tw] OR "trans person*[tw] OR "gender divers*[tw] OR "gender affirm*[tw] OR "gender incongruenc*[tw] OR "trans people"[tw] OR "trans person"[tw] OR "gender reassignment*[tw] OR "gender change*[tw] OR "gender transition*[tw] OR "trans male*[tw] "trans masc*[tw] OR transmascul*[tw] OR "trans female*[tw] OR transfemin*[tw] OR "trans wom*[tw] OR "trans man"[tw] OR "gender non-conform*[tw] OR "gender nonconform*[tw] OR "gender quest*[tw] OR "two spirit*[tw] OR "two-spirit*[tw] OR "gender fluid*[tw] OR genderfluid[tw] OR "non-binary"[tw] OR "nonbinary"[tw] OR agender*[tw] OR bigender*[tw] OR intergender[tw] OR "inter-gender"[tw] OR "gender varian*[tw] OR "gender minorit*[tw] OR "male to female"[tw] OR "female to male"[tw] OR intersex[tw] OR "inter-sex"[tw] OR multigender[tw] OR "multi-gender"[tw] OR neutrois[tw] OR novidgend*[tw] OR pangend*[tw] OR polygend*[tw] OR "third gender*[tw] OR "gender queer"[tw] OR genderqueer[tw] OR "gender-queer"[tw])
("Sex Reassignment Procedures"[Mesh] OR "Health Services for Transgender Persons"[Mesh]) OR ("Health service*[tw] OR "gender affirm*[tw] OR "gender confirm*[tw] OR "sex* reassign*[tw] OR "sex transform*[tw] OR "gender reassign*[tw] OR "gender re-assign*[tw] OR "sex confirm*[tw] OR "sex affirm*[tw] OR "recon* surg*[tw] OR "breast endoprosthesis"[tw] OR "thorax surgery"[tw] OR "prophylactic mastectomy"[tw] OR "simple mastectomy"[tw] OR "partial mastectomy"[tw] OR "subcutaneous mastectomy"[tw] OR "extended radical mastectomy"[tw] OR "modified radical mastectomy"[tw] OR mastectomy[tw] OR mastectomies[tw] OR "chest contour*[tw] OR "chest-wall contour*[tw] OR "male genital system surgery"[tw] OR "penile recon*[tw] OR "penile construct*[tw] OR "vagina* reconstruction"[tw] OR "vagina* construction"[tw] OR "estrogen therap*[tw] OR "estrogen replace*[tw] OR "hormon* therapy"[tw] OR "urolog* surg*[tw] OR "obstet* surg*[tw] OR "gyne* surg*[tw] OR feminization[tw] OR "fac* femin*[tw] OR masculinization[tw] OR "fac* masculin*[tw] OR "voice mod*[tw] OR "tracheal cartilage shave" [tw] OR "otorhinolaryngolog* surg*[tw] OR "otolaryngolog* surg*[tw] OR ("Appearance[tw] AND physical[tw] OR facial[tw] OR face[tw] OR brow*[tw] OR cheek*[tw] OR nose[tw] OR nasal[tw] OR lip[tw] OR lips[tw] OR jaw[tw] OR jawline[tw] OR head[tw] OR forehead[tw] OR "frontal sinus"[tw] OR orbit*[tw] OR mandib*[tw] OR "mandibular angle"[tw] OR "upper lip*[tw] OR hairline[tw] OR thyroid[tw] OR "thyroid cartilage"[tw] OR hair[tw] OR chest[tw] OR breast*[tw] OR nipple*[tw] OR hand*[tw] OR abdomen[tw] OR hips[tw] OR ribs[tw] OR rib[tw] OR ribcage[tw] OR buttocks[tw] OR thigh*[tw] OR leg[tw] OR "upper extremity"[tw] OR "lower extremity"[tw] body*[tw] OR genital*[tw] OR penis[tw] OR penile[tw] OR phallus[tw] OR "glans penis"[tw] scrotum*[tw] OR vagina[tw] OR clitori*[tw] OR vulva[tw] OR labia*[tw] OR perineum[tw] OR perineal[tw] OR body[tw] OR outward[tw] OR gender[tw] OR "gender related" [tw]) OR ("Body image"[Mesh] OR "body image"[tw] OR "body schema*[tw] OR "body identit*[tw] OR "body representation"[tw]) OR ("Body dissatisfaction"[Mesh] OR "body dissatisfaction"[tw] OR "appearance dissatisfaction"[tw] OR "body dismorph*[tw]) OR ("Psychosocial Functioning"[Mesh] OR "Social participation"[Mesh] OR "Emotions"[Mesh] OR "Sexual Dysfunctions, Psychological"[Mesh] OR "Sexual health"[Mesh] OR "Mental health"[Mesh]) OR ("Sex Reassignment Surgery"[Mesh] OR (sex[tw] AND change[tw]) OR (gender[tw] AND (change[tw] OR confirm*[tw] OR affirm*[tw] OR reassignment*[tw])) OR ("Hormone Replacement Therapy"[Mesh] OR "Gonadal Steroid Hormones"[Mesh] OR "Hormones, Hormone Substitutes, and Hormone Antagonists"[Mesh] OR (steroid[tw] AND (sex[tw] OR gender[tw] OR hormone*[tw] OR gonad*[tw]) OR estrogen[tw] OR estradiol[tw] OR progesterone[tw] OR testosterone[tw] OR (hormone*[tw] AND (substitute*[tw] OR antagonist*[tw] OR inhibitor*[tw] OR modulator*[tw] OR agent*[tw] OR replace*[tw] OR therap*[tw] or management[tw])) OR ("Rehabilitation"[Mesh] OR "Activities of Daily Living"[Mesh] OR "Functional Status"[Mesh] OR "Physical functional performance"[Mesh] or "functional performance*[tw] OR "physical performance*[tw] OR "physical function*[tw] OR "daily living*[tw] OR "daily activit*[tw] OR "Physical Therapy Modalities"[Mesh] OR physiotherap*[tw] OR "physical therap*[tw] OR "Occupational Therapy"[Mesh] OR

"occupational therap*[tw] OR "Speech Therapy"[Mesh] OR "Voice Training"[Mesh] OR "Psychotherapy"[Mesh] OR
 "Person-Centered Psychotherapy"[Mesh] OR "Counseling"[Mesh] OR "Mental Health Services"[Mesh] OR
 "Community Health Services"[Mesh] OR "Psychosocial intervention"[Mesh] OR "quality of life"[Mesh] OR "health
 related quality of life"[tw]) OR "Plastic Surgery"[tw] OR "cosmetic surg*[tw] OR "esthetic surg*[tw] OR "plastic
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 "Mammaplasty"[Mesh] OR breast recon* OR mammaplast*[tw] OR mammoplasty*[tw] OR ("breast*[tw] AND
 (implant*[tw] OR endoprothes*[tw] OR augment*[tw])) OR "tissue expan*[tw] OR thoracic wall surg* OR chest
 wall surg* OR Mastectomy [Mesh] OR mammectomy*[tw] OR "radical mastectomy*[tw] OR "chest contour*[tw]
 OR "chest-wall contour*[tw] OR "chest wall contour*[tw] OR "chest recon*[tw] OR "breast reduction*[tw] OR
 (chest[tw] AND (masculin*[tw] OR femin*[tw])) OR "top surg*[tw] OR (genital*[tw] AND (masculin*[tw] OR
 femin*[tw])) OR metoidoplast*[tw] OR ("penile" [tw] AND (construct*[tw] OR recon*[tw])) OR phalloplast*[tw] OR
 (penis[tw] AND (construct*[tw] OR reconst*[tw])) OR (testicular [tw] AND (construct*[tw] OR reconst*[tw] OR
 implant[tw] OR prosthetic[tw])) OR (testicle[tw] AND (construct*[tw] OR reconst*[tw] OR implant[tw] OR
 prosthetic[tw])) OR ("vagin*[tw] AND (construct*[tw] OR recon*[tw])) OR vaginoplast*[tw] OR neophalloplast*[tw]
 OR "neo-phalloplast*[tw] OR neovagin*[tw] OR neo-vagin*[tw] OR labiaplast*[tw] OR "bottom surg*[tw] OR
 (fac*[tw] AND (masculin*[tw] OR femin*[tw])) scrotoplast*[tw] OR "voice surg*[tw] OR "vocal surg*[tw] OR
 thyrochondroplast*[tw] OR "tracheal cartilage"[tw] OR hysterectomy*[tw] OR orchiectom*[tw] OR ovariectom*[tw]
 OR salpingoophorectom*[tw] OR salpingo-oophorect*[tw] OR vaginectom*[tw] OR electrolysis[tw] OR
 "otolaryngology"[tw] OR castration[tw] OR gonadectomy[tw] OR genioplasty[tw] OR "hair transplant*[tw] OR "hair
 procedur*[tw] or "laser hair removal"[tw] OR "fat grafting"[tw] OR rhinoplast*[tw]

NOT (("addresses"[Publication Type] OR "biography"[Publication Type] OR "case reports"[Publication Type] OR
 "comment"[Publication Type] OR "directory"[Publication Type] OR "editorial"[Publication Type] OR
 "festschrift"[Publication Type] OR "interview"[Publication Type] OR "lectures"[Publication Type] OR "legal
 cases"[Publication Type] OR "legislation"[Publication Type] OR "letter"[Publication Type] OR "news"[Publication
 Type] OR "newspaper article"[Publication Type] OR "patient education handout"[Publication Type] OR "popular
 works"[Publication Type] OR "congresses"[Publication Type] OR "consensus development
 conference"[Publication Type] OR "consensus development conference, nih"[Publication Type] OR "practice
 guideline"[Publication Type]) NOT ("animals"[MeSH Terms])

EMBASE

patient-reported outcome.mp. or exp patient-reported outcome/ or (outcome assessment.mp. or exp outcome assessment/) or (quality of life.mp. or exp "quality of life"/) or (hr-pro or hrpro or hrql or HRQOL or ql or qol or life quality).mp. or (health index or health indices or health profile* or health status*).mp. or (appraisal* or appraised or report or reported or reporting or rated or rating* or based or assessed or assessment*).mp. or (disability or function or functional or functions or subjective or utility or utilities or wellbeing or 'well being').mp. or (index or indices or instrument or instruments or measure or measures or questionnaire* or profile or profiles or scale or scales or score or scores or status or survey or surveys).mp. OR exp health survey/ OR exp health care survey/ OR exp short survey/ OR exp health services research/ OR exp implementation science/ or implementation.mp..

transgender*.tw. OR transsexual*.tw. OR ("trans m#n" or "trans wom#n" or "trans person*" or transpeople or "trans male*" or "trans female*").tw. OR ((gender adj3 (non-binary or nonbinary or bigender or agender or fluid* or trans* or non-conform* or nonconform* or genderqueer)) or divers* or incongruenc* or affirm*) or gender-nonconform*.tw. OR gender dysphori*.mp. OR two-spirit.mp. OR two spirit.mp. OR trigend*.mp. OR tri-gend*.mp. OR third gender.mp. OR gender euphoria.tw. OR (sex reassignment* or gender reassignment* or gender affirm*).tw. OR (transfeminine or transmasculine).tw. OR (AFAB or AMAB).tw. OR (gender adj (expression* or transition*)).tw. OR (transvestite* or transvestism).tw. OR exp transgender/ OR exp transsexualism/ OR exp sex reassignment/ OR exp sex transformation/ OR exp male to female transgender/ OR exp female to male transgender/ OR exp gender dysphoria/ OR ((intergender or inter gender or intersex or inter-sex or multigender or multi-gender or neutrois or novigend* or pangend* or polygend*).tw.)

exp physical appearance/ or exp body image/ or body image.mp. or (appearance adj3 (head or hair or hairline or frontal or facial or face or eyebrow or eye or orbit or nose or forehead or mandib* or nasal or lips or lip or cheek* or jawline or jaw or shoulders or chest or breast* or nipple* or hand* or feet or abdomen or hips or ribs or ribs or ribcage or buttocks or thigh* or leg or upper extremity or lower extremity or body* or genital* or penis or penile or phallus or glans penis or glans or scrot* or vagina or vulva or labia* or perineum or perineal or outward or gender or gender related)).mp. or health-related quality of life.mp. or exp "quality of life"/ or exp wellbeing/ or exp psychological well-being/ or exp mental health/ or exp wellbeing/ or psychosocial.mp. or exp psychosocial rehabilitation/ or exp psychosocial care/ or sexual function.mp. or exp sexual function/ or exp patient counseling/ or counseling.mp. or exp sexual counseling/ or rehabilitation.mp. or exp community based rehabilitation/ or exp rehabilitation/ or exp rehabilitation patient/ or exp speech rehabilitation/ or exp "speech and language rehabilitation"/ or exp rehabilitation care/ or exp psychosocial rehabilitation/ or physiotherapy.mp. or exp physiotherapy/ or occupational therapy.mp. or exp occupational therapy/ or voice.mp. or exp voice analysis/ or exp voice/ or voice prosthesis/ or voice training/ or exp voice change/ or hormone replacement.mp. or exp hormone substitution/ or steroid hormone/ or exp sex hormone/ or exp hormone inhibition/ or exp "silencing mediator of retinoid and thyroid hormone receptor"/ or exp hormone antagonist/ or reconstructive surgery.mp. or exp reconstructive surgery/ or exp plastic surgery/ or cosmetic surgery.mp. or exp esthetic surgery/ or (femin* adj3 (head or hair or hairline or facial or face or forehead or frontal or eyebrow or eye or orbit or nose or nasal or lips or lip or jawline or jaw or mandible or mandibular or shoulders or chest or breast* or nipple* or hand* or abdomen or hips or ribs or ribs or ribcage or buttocks or thigh* or leg or upper extremity or lower extremity or body* or genital* or outward or gender)).mp. or (masculin* adj3 (head or hair or hairline or facial or face or forehead or frontal or eyebrow or eye or orbit or nose or nasal or lips or lip or jawline or jaw or mandible or mandibular or shoulders or chest or breast* or nipple* or hand* or abdomen or hips or ribs or ribs or ribcage or buttocks or thigh* or leg or upper extremity or lower extremity or body* or genital* or outward or gender)).mp. or (viriliz* adj3 (head or hair or hairline or facial or face or forehead or frontal or eyebrow or eye or orbit or nose or nasal or lips or lip or jawline or jaw or mandible or mandibular or shoulders or chest or breast* or nipple* or hand* or abdomen or hips or ribs or ribs or ribcage or buttocks or thigh* or leg or upper extremity or lower extremity or body* or genital* or outward or gender)).mp. or (reconst* adj3 (head or hair or hairline or facial or face or forehead or frontal or eyebrow or eye or orbit or nose or nasal or lips or lip or jawline or jaw or mandible or mandibular or shoulders or chest or breast* or nipple* or hand* or abdomen or hips or ribs or ribs or ribcage or buttocks or thigh* or leg or upper extremity or lower extremity or body* or genital* or outward or gender)).mp. or (construct* adj3 (head or hair or hairline or facial or face or forehead or frontal or eyebrow or eye or orbit or nose or nasal or lips or lip or jawline or jaw or mandible or mandibular or shoulders or chest or breast* or nipple* or hand* or abdomen or hips or ribs or ribs or ribcage or buttocks or thigh* or leg or upper extremity or lower extremity or body* or genital* or penile or vaginal or outward or gender)).mp. or (breast* adj (augment* or implant* or reduction* or lift* or endoprosthesis)).mp. or (mastectom* or mammaplast* or mammoplast*).mp. or (top surg* or bottom surg* or phalloplast* or scrotoplast* or glans plast* or glansplast* or erectile device* or vaginoplast* or neophalloplast* or neo-phalloplast* or neovagin* or labiaplast* or urolog* surg* or obstet* surg* or gyne* surg* or voice surg* or vocal surg* or thyrochondroplast* or tracheal cartilage shave or hysterectomy* or orchiectom* or ovariectom* or salpingoophorectom* or vaginectom* or electrolysis or otorhinolaryngolog* surg* or otolaryngolog* surg* or castration or gonadectomy or laryngoplast* or rhinoplast* or genioplast* or hair* advanc* or hair* transplant* or laser hair removal or testicul* implant* or testicul* prosthetic*).mp.

MEDLINE

exp Surveys and Questionnaires/ or exp patient reported outcome measures/ or patient reported outcome measur*.mp. or patient-reported outcome.mp. or outcome assessment.mp. or HR-PRO.mp. or HRPRO.mp. or HRQL.mp. or HRQOL.mp. or QL.mp. or QOL.mp. or quality of life.mp. or function*.mp. or satisfaction.mp. or index.mp. or indices.mp. or instrument*.mp. or measure*.mp. or PROM.mp. or survey*.mp. or questionnaire*.mp. or outcome assessment.mp. or exp Health Surveys/ or exp Health Care Surveys/ or exp Outcome Assessment, Health Care/ OR exp health services administration/ OR exp implementation science/ OR patient education.mp OR implementation.mp OR exp delivery of health care/ OR exp evaluation research/ OR decision making.mp. OR framework.mp. OR diffusion of innovation.mp.

exp Sexual and Gender Minorities/ OR (exp Transgender Persons/ or exp Transsexualism/ or exp Gender Dysphoria/ or exp Disorders of Sex Development/ or exp Gender Identity/ or transgender*.mp. or transsexual*.mp. or transvestite*.mp. or transvestism.mp. or gender dysphoria.mp. or gender euphoria.mp. or MTF.mp. or FTM.mp. or trans m#n.mp. or trans wom#n.mp. or trans person*.mp. or transpeople.mp. or trans male*.mp. or trans female*.mp. or nonbinary.mp. or non-binary.mp. or genderqueer.mp. or gender-queer.mp. or agender.mp. or bigender.mp. or gender fluid.mp. or gender var*.mp. or two-spirit.mp. or two spirit.mp. or gender nonconform*.mp. or gender quest*.mp. or gender varian*.mp. or genderfluid.mp. or intergender.mp. or inter gender.mp. or intersex.mp. or inter sex.mp. or inter-sex.mp. or multigender.mp. or multi-gender.mp. or neutrois.mp. or novigend*.mp. or pangend*.mp. or polygend*.mp. or third gender.mp. or transfemin*.mp. or third gend*.mp. or transmasc*.mp. or trans fem*.mp. or trans masc*.mp. or transmasc*.mp. or transfemin* trigend*.mp. or AFAB.mp. or AMAB.mp. or gender expression.mp. or gender transition.mp. or gender identity.mp. or tri gend*.mp.) OR (gender adj3 (non-binary or agender or fluid* or trans* or non-conform* or nonconform*)).mp

exp Health Services/ or exp Health Services for Transgender Persons/ or health services for transgender persons.mp. or exp Sex Reassignment Procedures/ or exp Sex Reassignment Surgery/ or health service*.mp. or gender affirm*.mp. or gender confirm*.mp. or sex reassign*.mp. or sex transform*.mp. or gender reassign.mp. or gender re-assign*.mp. or sex confirm*.mp. or sex affirm*.mp. or exp Reconstructive Surgical Procedures/ or reconstructive surg*.mp. or exp Surgery, Plastic/ or plastic surg*.mp. or exp body contouring/ or body contour*.mp. or breast recon*.mp. or exp Mammoplasty/ or exp Breast Implants/ or exp Breast Implantation/ or mammoplasty.mp. or mammoplasty.mp. or breast implant*.mp. or breast augment*.mp. or tissue expan*.mp. or thoracic wall surg*.mp. or chest wall surg*.mp. or mastectomy.mp. or chest contour*.mp. or chest-wall contour*.mp. or chest wall contour*.mp. or reduction mammoplasty.mp. or reduction mammoplasty.mp. or mastoplasty.mp. or mastectomy.mp. or mastectomies.mp. or exp Mammoplasty/ or exp Mastectomy, Simple/ or exp Mastectomy, Segmental/ or exp Mastectomy, Modified Radical/ or exp Mastectomy/ or exp Mastectomy, Extended Radical/ or exp Mastectomy, Subcutaneous/ or exp Mastectomy, Radical/ or metoidoplast* or penile recon* or penile construct* or phalloplast* or vagina* reconstruct* or vaginoplast* or vagina* construct* or neophalloplast* or neo-phalloplast* or neovagina* or neo-vagin* or genital reassign* or genital re-assign* or exp Otolaryngology/ or otorhinolaryngolog* surg*.mp. or otolaryngolog* surg*.mp. or exp Estrogen Replacement Therapy/ or exp Hormones/ or exp Steroids/ or exp Urologic Surgical Procedures/ or estrogen replace*.mp. or testosterone therap*.mp. or urolog* surg*.mp. or obstet* surg*.mp. or gyne* surg*.mp. or fac* femin*.mp. or masculinization.mp. or top surg*.mp. or bottom surg*.mp. or fac* masculin*.mp. or exp Feminization/ or scrotoplast*.mp. or voice surg*.mp. or thyrochondroplast*.mp. or tracheal cartilage shave.mp. or exp Hysterectomy, Vaginal/ or exp Hysterectomy/ or exp orchiectomy/ or exp ovariectomy/ or exp salpingo-oophorectomy/ or vaginectomy.mp. or exp obstetric surgical procedures/ or exp Gynecologic Surgical Procedures/ or exp electrolysis/ or hysterectomy.mp. or orchiectom*.mp. or ovariectom*.mp. or salpingo-oophorect*.mp. or salpingoophorectom*.mp. or vaginectom*.mp. or voice mod*.mp. or exp electrolysis/ or electrolysis.mp.

PSYCINFO

exp Surveys/ OR exp Questionnaires/ OR (exp "Quality of Life"/ or exp Treatment Outcomes/ or exp Self-Report/ or exp Psychometrics/ or exp Patient Reported Outcome Measures/ or Measurement/) OR (hr-pro or hrpro or hrql or hrqol or ql or qol or life quality or satisfaction or health index or health indices or health profile* or health status).mp. OR (apprais* or report or reported or reporting or rated or rating* or based or assessed or assessment*).mp. OR (disability or function or functional or functions or subjective or utility or utilities or wellbeing or well being).mp. OR (index or indices or instrument or instruments or measure or measures or questionnaire* or profile or profiles or scale or scales or score or scores or status or survey or surveys or self-report or patient reported outcome measure* or patient-reported outcome measure or PROM*).mp. OR implementation.mp.

exp Health Care Delivery/ or exp Health Care Utilization/ or exp Health Care Services/ or exp Gender Reassignment/ or exp Surgery/ or exp Plastic Surgery/ OR exp Cosmetic Techniques/ or exp Mastectomy/ OR exp Drug Therapy/ or exp Steroids/ or exp Prostheses/ or exp Hysterectomy/ or exp Ovariectomy/ OR (health service* or gender affirm* or gender confirm* or sex reassign* or sex transform* or gender reassign or gender re-assign* or sex confirm* or sex affirm*) OR (reconstructive surg* or plastic surg*).mp. or exp body contouring/ or body contour*.mp. or breast recon*.mp. or mammoplasty.mp. or mammoplasty.mp. or breast implant*.mp. or breast augment*.mp. or tissue expan*.mp. or thoracic wall surg*.mp. or chest wall surg*.mp. or mastectomy.mp. or chest contour*.mp. or chest-wall contour*.mp. or chest wall contour*.mp. or reduction mammoplasty.mp. or reduction mammoplasty.mp. or mastoplasty.mp. or mastectomy.mp. or mastectomies.mp. or metoidoplast*.mp. or penile recon*.mp. or penile construct*.mp. or phalloplast*.mp. or vagina* reconstruct*.mp. or vaginoplast*.mp. or vagina* construct*.mp. or neophalloplast*.mp. or neo-phalloplast*.mp. or neovagina*.mp. or neo-vagin*.mp. or genital reassign*.mp. or genital re-assign*.mp. OR (otorhinolaryngolog* surg* or otolaryngolog* surg* or estrogen replace* or testosterone therap* or urolog* surg* or obstet* surg* or gyne* surg* or fac* femin* or masculinization or top surg* or bottom surg* or fac* masculin* or scrotoplast* or voice surg* or thyrochondroplast* or tracheal cartilage shave or vaginectomy or hysterectomy or orchiectom* or ovariectom* or salpingo-oophorect* or salpingoophorectom* or vaginectom* or voice mod* or electrolysis).mp.

exp Transgender/ or exp Gender Identity/ or exp Transsexualism/ or exp Gender Dysphoria/ or "Transgender (Attitudes Toward)"/ or exp Gender Reassignment/ or (trans sexual or transexual or trans m#n or trans wom#n or trans person*).mp. OR (transpeople or trans male* or trans female or sex change* or Gender Nonconform* or gender non-conform* or Gender identity or transsexualism or gender identity or non-binary or agender or bigender or trigender or tri gender or nonbinary or genderfluid* or genderqueer or gender queer or gender varian* or gender ambigui* or cross gender* or two-spirit or two spirit or gender quest* or intergender or inter gender or inter-gender or intersex or inter-sex or inter sex or multi gender or multi-gender or neutrois or novigend* or polygend* or third gender or trans masc* or transmasc* or transfemin* or trans fem*).mp. OR ((Gender adj3 (non-binary or agender or fluid* or non-conform* or nonconform*))).mp. OR exp Gender Nonconforming/ or gender euphor*.mp.)

(MH "Patient-Reported Outcomes") OR (MH "Outcome Assessment") OR (MH "Quality of Life+") OR (MH questionnaire or survey or scale or instrument or measurement or measure) OR ("TI("hr-pro" OR "hrpro" OR "hrql" OR "hrqol" OR "ql" OR "qol" OR "quality of life" OR "life quality" OR "health index*" OR "health indices" OR "health profile*" OR "health status") OR AB("hr-pro" OR "hrpro" OR "hrql" OR "hrqol" OR "ql" OR "qol" OR "quality of life" OR "life quality" OR "health index*" OR "health indices" OR "health profile*" OR "health status"))OR TI(((patient OR self OR child OR parent OR carer OR proxy) N2 (appraisal* OR appraised OR report OR reported OR reporting OR rated OR rating* OR based OR assessed OR assessment*))) OR AB (((patient OR self OR child OR parent OR carer OR proxy) N2 (appraisal* OR appraised OR report OR reported OR reporting OR rated OR rating* OR based OR assessed OR assessment*))) OR TI (((disability OR function OR functional OR functions OR subjective OR utility OR utilities OR wellbeing OR "well being") N2 (index OR indices OR instrument OR instruments OR measure OR measures OR questionnaire* OR profile OR profiles OR scale OR scales OR score OR scores OR status OR survey OR surveys))) OR AB (((disability OR function OR functional OR functions OR subjective OR utility OR utilities OR wellbeing OR "well being") N2 (index OR indices OR instrument OR instruments OR measure OR measures OR questionnaire* OR profile OR profiles OR scale OR scales OR score OR scores OR status OR survey OR surveys OR PROM* OR implementation OR "patient-reported outcome measure*" OR "patient reported outcome measure*"))))

(MH mental health treatment or mental health services or mental health care) OR (MH psychotherapy or therapy or counseling or intervention or treatment) OR (TX psychosocial interventions or strategies or best practices or treatment or therapy) OR (MH speech therapy or treatment or intervention) OR (MH voice therapy or voice treatment or voice training or voice modification) OR TX appearance N3 (head or hair or hairline or facial or face or forehead or frontal or eyebrow or eye or orbit or nose or nasal or lips or lip or jawline or jaw or mandib* or cheek* or shoulder* or chest or breast or nipple or hands or upper extremity or abdomen or hips or or ribs or ribcage or buttocks or thigh or leg or back or lower extremity or body or feet or genital* or penis or penile or phallus or glans penis or glans or scrot* or vagin* or vulva or labia or perineum or perineal or outward or gender or gender related or gender-related) OR TX reconstr* N3 (head or hair or hairline or facial or face or forehead or frontal or eyebrow or eye or orbit or nose or nasal or lips or lip or jawline or jaw or mandib* or cheek* or shoulder* or chest or breast or nipple or hands or upper extremity or abdomen or hips or or ribs or ribcage or buttocks or thigh or leg or back or lower extremity or body or feet or genital* or penis or penile or phallus or glans penis or glans or scrot* or vagin* or vulva or labia or perineum or perineal or outward or gender or gender related or gender-related) OR TX construct* (head or hair or hairline or facial or face or forehead or frontal or eyebrow or eye or orbit or nose or nasal or lips or lip or jawline or jaw or mandib* or cheek* or shoulder* or chest or breast or nipple or hands or upper extremity or abdomen or hips or or ribs or ribcage or buttocks or thigh or leg or back or lower extremity or body or feet or genital* or penis or penile or phallus or glans penis or glans or scrot* or vagin* or vulva or labia or perineum or perineal or outward or gender or gender related or gender-related) OR TX hormone blockers OR TX (hormone replacement therapy or hrt or hormone therapy) OR TX puberty blockers OR TX puberty hormones OR TX estrogen replacement therapy OR TX (testosterone replacement therapy or trt) OR TX estrogen replacement therapy OR TX (sex hormones or estrogen or progesterone or estradiol) OR TX hormone substitution OR TX steroid hormones OR TX hormone antagonist OR TX antiandrogen drugs OR TX spironolactone OR TX plastic surgery or cosmetic surgery or cosmetics procedures OR esthetic surgery or body contouring or mammoplasty or breast reconstruction or mammoplasty or breast implant or breast prosthesis or breast augmentation or radical mastectomy or chest contouring or chest contour or breast reduction or chest wall contour or chest reconstruction or chest masculinization or chest feminization or top surgery or bottom surgery or genital masculinization or genital feminization or genital gender affirming surgery or genital gender affirming procedures or metoidioplasty or phalloplasty or male genital reconstruction or penile reconstruction or penis reconstruction or testicular reconstruction or testicular construction or testicle construction or erectile device or erectile implant or penile prosthesis or penile implant or scrotoplasty or glansplasty or neophalloplasty or vaginal reconstruction or vaginal construction or vaginectomy or labiaplasty or clitoral reduction or clitoris or neovaginoplasty or urology or urological surgery or obstetric surgery or gynecologic surgery or facial masculinization or facial feminization or voice surgery or vocal surgery or vocal chords surgery or thyrochondroplasty or tracheal cartilage shave or hysterectomy or orchiectomy or ovariectomy or saphingopherectomy or otorhinolaryngology or castration or gonadectomy or gemiolasty or hair transplant or hair advancement or laser hair removal or fat grafting or rhinoplasty

(MH "Transgender Persons+") OR (MH "Transsexuals") OR (MH "Transsexualism") OR (MH "Sex Reassignment Procedures+") OR (MH "Gender Identity") OR (MH "Gender Dysphoria") OR TX (trans sexual or transexual or sex change) or OR TX transgender* OR TX transsexual* OR TX "trans m#n" or "trans wom#n" or "trans person*" or transpeople or "trans male*" or "trans female*" OR TX gender* N3 (non-binary or fluid* or trans* or non-conform*

or nonconform* or queer or gender varian* or gender ambigu* or cross gender* or two-spirit or two spirit or gender quest* or intergender or inter gender or inter-gender or intersex or inter-sex or inter sex or multi gender or multi-gender or neutrois or novigend* or polygend* or third gender or trans masc* or trans masc* or gender identity or transsexualism or non-binary or agender or bigender or trigender or tri gender or genderfluid* or gender queer or transfemin* or trans fem* or diverse* or incongru* or affirm*) OR TX gender dysphori* OR TX sex reassignment* or gender reassignment* or gender affirm* OR TX transfeminine or transmasculine OR TX AFAB or AMAB OR TX gender N2 (expression* or transition*) OR TX gender minorit* or gender diver*

WEB OF SCIENCE

TS=("questionnaire*" or "survey*" or "scale" or "instrument*" or "measurement" or "measure*" or "quality of life" or "life quality" or "health index*" or "health indices" or "health profile*" or "health status" or "appraisal*" or "appraised" or "report*" or "rated" or "rating*" or "based" or "assessed" or "assessment*" or "function" or "functional" or "functions" or "satisfaction" or "implantation" or "health services" or "subjective" or "utility" or "utilities" or "wellbeing" or "well being" or "index" or "indices" or "instrument" or "instruments" or "measure*" or "questionnaire*" or "profile" or "profiles" or "scale*" or "score*" or "status" or "survey*" or "PROM*" or "patient-reported outcome measure*" or "patient reported outcome measure*")

TS=("health service*" or "gender affirmation procedures" or "gender affirm*" or "gender confirm*" or "sex reassign*" or "sex transform*" or "gender reassign*" or "gender re-assign" or "sex confirm*" or "sex affirm*" or "gender affirmation surgery" or "gender affirming" or "surgery" or "plastic surg*" or "reconstructive surg*" or "craniofacial recon" or "breast recon*" or "mammaplast*" or "mammoplast*" or "breast implant" or "breast augment*" or "tissue expan*" or "thoracic wall surg*" or "mastectomy*" or "reduction mammoplast*" or "reduction mammaplast*" or "mastoplasty" or "metoidoplast*" or "penile recon*" or "penile construct*" or "phalloplast*" or "vagina* reconstruct*" or "vagina* construct*" or "neophalloplast*" or "neo-phalloplast*" or "neovagina" or "neo-vagina" or "genital reassign" or "genital re-assign" or "otorhinolaryngologic surg*" or "otolaryngologic surg*" or "head and neck surgery" or "body contour*" or "prosthesis" or "implant*" or "breast implant*" or "penile prosthesis" or "mastectomy*" or "gyne* surg*" or "obstet* surg*" or "urolog* surg*" or "hormone* therap*" or "estrogen" or "testosterone" or "steroids" or "chest wall surg*" or "chest-wall surg*" or "voice therapy" or "feminization" or "hysterectomy" or "oophorectomy" or "orchiectomy" or "electrolysis" or "face feminin*" or "masculinization" or "top surg*" or "bottom surg*" or "fac* masculin*" or "scrotoplast*" or "voice surg*" or "thyrochondroplast*" or "tracheal cartilage shave" or "vaginectomy" or "hysterectomy" or "orchiectomy*" or "ovariectomy*" or "salpingo-oophorect*" or "salpingoophorectom*" or "vaginectom*" or "voice mod" or "electrolysis")

TS=("Transgender*" or "transsexual*" or "sex reassign*" or "gender identity" or "gender dysphoria" or "trans sexual" or "trans m#n" or "trans wom#n" or "trans person" or "transpeople" or "trans male" or "trans female" or "sex change*" or "gender nonconform*" or "gender non-conform*" or "gener nonbinary" or "non-binary" or "nonbinary" or "agender" or "bigender" or "trigender" or "tri gender" or "gender fluid" or "genderfluid" or "genderqueer" or "gender queer" or "intergender" or "inter gender" or "inter-gender" or "intersex" or "inter-sex" or "inter sex" or "multi gender" or "multi-gender" or "neutrois" or "novigend*" or "polygend*" or "third gender*" or "trans masc" or "transmasc*" or "transfemin*" or "trans fem*" or "AFAB" or "AMAB" or "transvestit*" or "gender minorit*" or "gender diver*")

Grey Literature Search Strategy	
Database, Search Engine, or Website URL	Search Strategy
Opengrey.eu	(Patient-reported outcome measure OR Questionnaire) AND (Transgender OR Nonbinary) AND (Gender-affirming care) AND (Implement*)
New York Academy of Medicine's Grey Literature Report (http://www.greylit.org/home)	(Patient-reported outcome measure OR Questionnaire) AND (Transgender OR Nonbinary) AND (Gender-affirming care) AND (Implement*)
National Institute for Health and Care Excellence Guidance (https://www.nice.org.uk/guidance)	(Patient-reported outcome measure OR Questionnaire) AND (Transgender OR Nonbinary) AND (Gender-affirming care) AND (Implement*)
Google.com (first 10 pages)	(Patient-reported outcome measure OR Questionnaire) AND (Transgender OR Nonbinary) AND (Gender-affirming care) AND (Implement*)
Google.co.uk (first 10 pages)	(Patient-reported outcome measure OR Questionnaire) AND (Transgender OR Nonbinary) AND (Gender-affirming care) AND (Implement*)
Gender Identity Research and Education Society (https://www.gires.org.uk/)	(Patient-reported outcome measure OR Questionnaire) AND (Transgender OR Nonbinary) AND (Gender-affirming care) AND (Implement*)
Gendered Intelligence (https://genderedintelligence.co.uk/)	(Patient-reported outcome measure OR Questionnaire) AND (Transgender OR Nonbinary) AND (Gender-affirming care) AND (Implement*)
Stonewall UK (https://www.stonewall.org.uk/)	(Patient-reported outcome measure OR Questionnaire) AND (Transgender OR Nonbinary) AND (Gender-affirming care) AND (Implement*)

eTable 1. Overview of Countries for Articles Included in Systematic Review

Country/Countries	Number of studies
Australia	10
Austria	1
Belgium	4
Belgium, France	1
Brazil	9
Brazil, Spain, UK, Italy, Germany, the Netherlands, USA, France, Portugal, Australia, Belgium, Israel, Denmark, Finland, Ireland, Norway, Sweden	1
Canada	4
Canada, the Netherlands	2
Chile	2
Colombia	1
Croatia	1
Czech Republic	1
Denmark	1
France	11
Germany	29
Germany, Switzerland	1
Iran	6
Iran, the Netherlands	1
Israel	2
Italy	18
Korea	1
New Zealand	1
Poland	1
Russia	1
Serbia	2
Spain	9
Sweden	9
Switzerland	6
Switzerland, Spain	1
Taiwan	3
Thailand	3
The Netherlands	28
The Netherlands, Belgium, Germany, Norway	6
The Netherlands, Belgium, Italy, Norway	2
The Netherlands, Belgium, UK, Switzerland	1
The Netherlands, Italy, Belgium	1

The Netherlands, USA	1
The Netherlands, USA, Serbia, Canada, Finland, France, Belgium	1
Turkey	11
UK	12
USA	72
USA, Canada	4
USA, Spain	1
USA, Europe, Canada, Mexico, Australia, Asia, South America	1
USA, UK, Australia, Belgium, Canada, Germany, Finland, The Netherlands, Spain	1
Yugoslavia	1

eTable 2. Oxford Centre for Evidence-Based Medicine Levels of Evidence¹ for Included Studies

Level of evidence	Number of studies
1b: RCT	1
2b: Cohort Study	87
2c: Outcomes Research	190
3b: Case-Control Study	1
4: Case-series (and poor quality cohort and case-control studies)	7

1. Jeremy Howick, Iain Chalmers, Paul Glasziou, Trish Greenhalgh, Carl Heneghan, Alessandro Liberati, Ivan Moschetti, Bob Phillips, and Hazel Thornton. "Explanation of the 2011 Oxford Centre for Evidence-Based Medicine (OCEBM) Levels of Evidence (Background Document)". Oxford Centre for Evidence-Based Medicine. <https://www.cebm.ox.ac.uk/resources/levels-of-evidence/explanation-of-the-2011-ocebml-levels-of-evidence/>

eTable 3. Data Collection Platform for Patient-Reported Outcome Measure (PROM) Administration in Gender-Affirming Care

Data collection platform	Number of studies, N/286 (%)
NR	258 (90)
"Secure website"	1 (1)
Electronic medical record (EMR)	4 (1)
Patient chart	1 (1)
Qualtrics	7 (2)
Redcap	7 (2)
SurveyMonkey	6 (2)
University online survey management system	1 (1)
Castor electronic data capture	1 (1)

eTable 4. Data Security for Patient-Reported Outcome Measures (PROMs) in Gender-Affirming Care

Data security	Number of studies, N/286 (%)
“Online secure platform”	2 (1)
“Secure website”	2 (1)
“Secured format” for “web-surveys”	1 (1)
NR	278 (97)
Locked box	1 (1)
Restricted access/encrypted drive on the hospital server for later analysis	1 (1)
The survey was provided online through a secured server using Encrypting File System technology (http://www.unipark.com/en/survey-software/).	1 (1)

eTable 5. Patient-Reported Outcome Measure (PROM) Score Reporting in Gender-Affirming Care

PROM score reporting method	Frequency, N/286 (%)
Mean and SD in a table or written out	162 (57)
Proportion of individuals at cut-off value for PROM	55 (19)
Bar chart of scores	21 (7)
Narrative description of scores	17 (6)
Line graph of scores at different time points	14 (5)
Raw scores for each individual	5 (1)
Box plot of scores	4 (1)
Regression with demographic factors	3 (1)

Median and IQR	2 (1)
Pie chart	2 (1)
NR – scores not reported	1 (1)

eTable 6. Patient-Reported Outcome Measure (PROM) Result Application in Gender-Affirming Care

How were PROM results used?	Frequency, N/286 (%)
Demonstrate patient satisfaction with treatment*	71 (25)
Demonstrate treatment outcomes	187 (65)
Develop/validate a PROM	28 (10)

**Demonstration of patient satisfaction was identified through analysing conclusions made from study authors based on PROM results. For example, if study authors stated that the PROM results demonstrate patients are satisfied or dissatisfied with treatment.*

eTable 7. Critical Appraisal Skills Programme (CASP) Checklist Results for Included Articles

CASP Checklist Item	Rating		
	Yes	No	Can't Tell
<i>Cohort Studies Checklist (n=285)</i>			
Did the study address a clearly focused issue?	285	0	0
Was the cohort recruited in an acceptable way?	275	2	8
Was the exposure accurately measured to minimise bias?	10	103	172
Was the outcome accurately measured to minimise bias?	5	102	178
Have the authors identified all important	4	127	154

confounding factors?			
Have they taken account of the confounding factors in the design and/or analysis?	2	151	132
Was the follow up of subjects complete enough?	121	158	6
Was the follow up of subjects long enough?	88	193	4
Do you believe the results?	283	0	2
Can the results be applied to the local population?	282	0	3
Do the results of this study fit with other available evidence?	284	0	1
<i>RCT Checklist (n=1)</i>			
Did the study address a clearly focused research question?	1	0	0
Was the assignment of participants to interventions randomised?	1	0	0
Were all participants who entered the study accounted for at its conclusion?	1	0	0
Were the participants 'blind' to intervention they were given?	0	0	1
Were the investigators 'blind' to the intervention they were giving to participants?	0	0	1
Were the people assessing/analysing outcome/s 'blinded'?	0	0	1

Were the study groups similar at the start of the randomised controlled trial?	0	0	1
Apart from the experimental intervention, did each study group receive the same level of care (that is, were they treated equally)?	1	0	0
Were the effects of intervention reported comprehensively?	1	0	0
Was the precision of the estimate of the intervention or treatment effect reported?	1	0	0
Do the benefits of the experimental intervention outweigh the harms and costs?	1	0	0
Can the results be applied to your local population/in your context?	1	0	0
Would the experimental intervention provide greater value to the people in your care than any of the existing interventions?	0	0	1

eAppendix 2. List of Included Articles

1. Lindgren TW, Pauly IB. A body image scale for evaluating transsexuals. *Arch Sex Behav*. 1975;4(6):639-656.
2. Becker I, Auer M, Barkmann C, et al. A Cross-Sectional Multicenter Study of Multidimensional Body Image in Adolescents and Adults with Gender Dysphoria Before and After Transition-Related Medical Interventions. doi:10.1007/s10508-018-1278-4
3. van de Grift TC, Pigot GLS, Boudhan S, et al. A Longitudinal Study of Motivations Before and Psychosexual Outcomes After Genital Gender-Confirming Surgery in Transmen. doi:10.1016/j.jsxm.2017.10.064
4. Schaff J, Papadopoulos NA. A New Protocol for Complete Phalloplasty with Free Sensate and Prelaminated Osteofasciocutaneous Flaps: Experience in 37 Patients. doi:10.1002/micr.20647
5. Costantino A, Cerpolini S, Alvisi S, Morselli PG, Venturoli S, Meriggiola MC. A Prospective Study on Sexual Function and Mood in Female-to-Male Transsexuals During Testosterone Administration and After Sex Reassignment Surgery. doi:10.1080/0092623x.2012.736920
6. Beatrice J. A psychological comparison of heterosexuals, transvestites, preoperative transsexuals, and postoperative transsexuals. *J Nerv Ment Dis*. 1985;173(6):358-365.
7. van der Sluis WB, Pigot GLS, Al-Tamimi M, et al. A Retrospective Cohort Study on Surgical Outcomes of Penile Prosthesis Implantation Surgery in Transgender Men After Phalloplasty. doi:10.1016/j.urology.2019.06.010
8. Dahl KL, Mahler LA. Acoustic Features of Transfeminine Voices and Perceptions of Voice Femininity. doi:10.1016/j.jvoice.2019.05.012
9. Brown SK, Chang J, Hu S, et al. Addition of Wendler Glottoplasty to Voice Therapy Improves Trans Female Voice Outcomes. doi:10.1002/lary.29050
10. Smith YL, van Goozen SH, Cohen-Kettenis PT. Adolescents with gender identity disorder who were accepted or rejected for sex reassignment surgery: a prospective follow-up study. *J Am Acad Child Adolesc Psychiatry*. 2001;40(4):472-481.
11. Buncamper ME, Honselaar JS, Bouman MB, Özer M, Kreukels BP, Mullender MG. Aesthetic and Functional Outcomes of Neovaginoplasty Using Penile Skin in Male-to-Female Transsexuals. *J Sex Med* 2015 Jul;12(7):1626-34 doi: 10.1111/jsm.12914 Epub 2015 Jun 12. (7):1626-1634.
12. Turan S, Poyraz CA, Saglam NGU, et al. Alterations in Body Uneasiness, Eating Attitudes, and Psychopathology Before and After Cross-Sex Hormonal Treatment in Patients with Female-to-Male Gender Dysphoria. doi:10.1007/s10508-018-1189-4
13. Hancock AB. An ICF Perspective on Voice-related Quality of Life of American

Transgender Women. doi:10.1016/j.jvoice.2016.03.013

14. Yilmaz T, Kuscü O, Sozen T, Suslu AE. Anterior Glottic Web Formation for Voice Feminization: Experience of 27 Patients. doi:10.1016/j.jvoice.2017.03.006
15. Poudrier G, Nolan IT, Cook TE, et al. Assessing Quality of Life and Patient-Reported Satisfaction with Masculinizing Top Surgery: A Mixed-Methods Descriptive Survey Study. doi:10.1097/prs.00000000000005113
16. Baldino JN, Lodge EK, Lahlou RM. Assessment of a Student-Run Free Gender-Affirming Care Clinic's Transition to Telehealth. doi:10.1089/trgh.2020.0135
17. Manrique OJ, Adabi K, Huang TC, et al. Assessment of Pelvic Floor Anatomy for Male-to-Female Vaginoplasty and the Role of Physical Therapy on Functional and Patient-Reported Outcomes. *Ann Plast Surg* 2019 Jun;82(6):661-666 doi: 10.1097/SAP.0000000000001680. (6):661-666.
18. Owen-Smith AA, Gerth J, Sineath RC, et al. Association Between Gender Confirmation Treatments and Perceived Gender Congruence, Body Image Satisfaction, and Mental Health in a Cohort of Transgender Individuals. doi:10.1016/j.jsxm.2018.01.017
19. Almazan AN, Keuroghlian AS. Association Between Gender-Affirming Surgeries and Mental Health Outcomes. doi:10.1001/jamasurg.2021.0952
20. Dacakis G, Oates J, Douglas J. Associations between the Transsexual Voice Questionnaire (TVQ(MtF)) and self-report of voice femininity and acoustic voice measures. *Int J Lang Commun Disord* 2017 Nov;52(6):831-838 doi: 10.1111/1460-6984.12319 Epub 2017 Apr 19. (6):831-838.
21. Hardy TLD, Rieger JM, Wells K, Boliek CA. Associations Between Voice and Gestural Characteristics of Transgender Women and Self-Rated Femininity, Satisfaction, and Quality of Life. doi:10.1044/2020_ajslp-20-00118
22. Kuper LE, Mathews S, Lau M. Baseline Mental Health and Psychosocial Functioning of Transgender Adolescents Seeking Gender-Affirming Hormone Therapy. doi:10.1097/dbp.0000000000000697
23. Cai X, Hughto JMW, Reisner SL, Pachankis JE, Levy BR. Benefit of Gender-Affirming Medical Treatment for Transgender Elders: Later-Life Alignment of Mind and Body. doi:10.1089/lgbt.2017.0262
24. Kuper LE, Stewart S, Preston S, Lau M, Lopez X. Body Dissatisfaction and Mental Health Outcomes of Youth on Gender-Affirming Hormone Therapy. doi:10.1542/peds.2019-3006
25. Garz M, Schroder J, Nieder T, et al. Body Image and Sexual Desire in the Context of Gender Affirming Therapy: Results of a Cross-sectional Multi-centered Transgender Study. doi:10.1080/0092623x.2021.1888831
26. Kraemer B, Delsignore A, Schnyder U, Hepp U. Body image and transsexualism. doi:10.1159/000111554
27. van de Grift TC, Kreukels BPC, Elfering L, et al. Body Image in Transmen:

28. Köhler A, Becker I, Richter-Appelt H, et al. Behandlungserfahrungen und soziale Unterstützung bei Personen mit Geschlechtsinkongruenz/Geschlechtsdysphorie: Eine ENIGI 5-Jahres-Follow-Up-Studie in drei europäischen Ländern. *Psychother Psychosom Med Psychol*. 2019;69(8):339-347. doi:10.1055/a-0806-6892
29. Becker I, Nieder TO, Cerwenka S, et al. Body Image in Young Gender Dysphoric Adults: A European Multi-Center Study. *Archives of sexual behavior*. 2016;45(3):559-574. doi:10.1007/s10508-015-0527-z
30. van de Grift TC, Cohen-Kettenis PT, Steensma TD, et al. Body Satisfaction and Physical Appearance in Gender Dysphoria. *Arch Sex Behav*. 2016;45(3):575-585. doi:10.1007/s10508-015-0614-1
31. Cantini JE, Garcia-Botero A, Rubiano V, Guerrero DN, Benitez JM, Gomez-Ortega V. Breast Augmentation in Gender Dysphoria: A Surgical Option to Reduce Reintervention. doi:10.1097/prs.00000000000008172
32. Coon D, Lee E, Fischer B, Darrach H, Landford WN. Breast Augmentation in the Transfemale Patient: Comprehensive Principles for Planning and Obtaining Ideal Results. doi:10.1097/prs.00000000000006819
33. Deuster D, Di Vincenzo K, Szukaj M, Am Zehnhoff-Dinnesen A, Dobel C. Change of speech fundamental frequency explains the satisfaction with voice in response to testosterone therapy in female-to-male gender dysphoric individuals. doi:10.1007/s00405-016-4043-0
34. Cysarz D, Piwowarczyk A, Czernikiewicz W, Dulko S, Kokoszka A. Changes in body image satisfaction, sense of coherence and life satisfaction during the therapy of women with transsexualism. A preliminary report.
35. Morselli PG, Summo V, Pinto V, Fabbri E, Meriggiola MC. Chest Wall Masculinization in Female-to-Male Transsexuals Our Treatment Algorithm and Life Satisfaction Questionnaire. doi:10.1097/sap.00000000000002119
36. Aires MM, de Vasconcelos D, de Moraes BT. Chondrolaryngoplasty in transgender women: Prospective analysis of voice and aesthetic satisfaction. doi:10.1080/26895269.2020.1848690
37. Gomez-Gil E, Gomez A, Canizares S, et al. Clinical Utility of the Bem Sex Role Inventory (BSRI) in the Spanish Transsexual and Nontranssexual Population. doi:10.1080/00223891.2011.650302
38. di Summa PG, Watfa W, Krahenbuhl S, Schaffer C, Raffoul W, Bauquis O. Colic-Based Transplant in Sexual Reassignment Surgery: Functional Outcomes and Complications in 43 Consecutive Patients. doi:10.1016/j.jsxm.2019.09.007
39. Towers S, Prizgintas D, Crossen K. Community-based model for adolescent transgender health care. doi:10.1111/jpc.15570

40. Rieger UM, Majenka P, Wirthmann A, Sohn M, Bozkurt A, Djedovic G. Comparative Study of the Free Microvascular Groin Flap: Optimizing the Donor Site After Free Radial Forearm Flap Phalloplasty. doi:10.1016/j.urology.2016.04.007
41. Mora E, Cobeta I, Becerra A, Lucio MJ. Comparison of Cricothyroid Approximation and Glottoplasty for Surgical Voice Feminization in Male-to-Female Transsexuals. doi:10.1002/lary.27172
42. Djordjevic ML, Bizic MR. Comparison of Two Different Methods for Urethral Lengthening in Female to Male (Metoidioplasty) Surgery. doi:10.1111/jsm.12108
43. Schoffer AK, Bittner AK, Hess J, Kimmig R, Hoffmann O. Complications and satisfaction in transwomen receiving breast augmentation: short- and long-term outcomes. *Archives of Gynecology and Obstetrics*. 2022;305(6):1517-1524. doi:10.1007/s00404-022-06603-3
44. Lowenberg H, Lax H, Neto RR, Krege S. Complications, subjective Satisfaction and sexual Experience by gender reassignment Surgery in Male-to-Female Transsexual. doi:10.1055/s-0030-1262718
45. Isung J, Mollermark C, Farnebo F, Lundgren K. Craniofacial Reconstructive Surgery Improves Appearance Congruence in Male-to-Female Transsexual Patients. doi:10.1007/s10508-017-1012-7
46. Matai V, Cheesman AD, Clarke PM. Cricothyroid approximation and thyroid chondroplasty: A patient survey. doi:10.1016/s0194-5998(03)00462-5
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