

QI project Surgical Transplantation update for EAG 26 August 2024

Feedback requested (work is in progress in separate QI project)

Solid organs and endocrine/exocrine glands were modelled in my QI project in the Authoring Platform using transplanted body structures as the direct procedure site, but for other body parts I considered using 'normal' body structures, however this seemed an artificial line to draw so I created new transplanted body structures if missing, and now all transplant procedures for solid organs, glands and viscera are using a transplant body structure as the direct procedure site value. Use of this transplanted body structure makes logical sense as the original organ or body part may or may not still be present, and the transplanted structure may or may not be placed in the location of the original organ or body part that it is replacing or enhancing.

I maintained the Direct substance relationship, and this enables the procedure concept to be sufficiently defined for example, those defined by autograft, allograft, syngraft or xenograft. Very few new transplant substances were created.

Transplanted pieces of tissue (for example, of skin) are interchangeably also called grafting. Many tissue transplantation concepts and tissue transplantation groupers have been inactivated and the transplant terming placed as a synonym on the existing or a newly created grafting concept (e.g. 119697008 |Transplantation of tissue of foot (procedure)| inactivated as ambiguous with creation of replacement new concept 1344719000 |Grafting of tissue to foot (procedure)|).

High level (ambiguous and often nonsensical) transplant groupers, for example, 119868007 |Mouth transplantation (procedure)|, have been inactivated.

Excludes eye procedures (for Ophthalmology CRG to revise) and hematological or cell transplants of bone marrow and stem cells etc. (not surgical transplantations).

SUBTYPES	Published - before remodel	After remodel – approx. 95 % complete
<< 261571005 Tissue graft - material (substance)	441 concepts	456 concepts
<< 422285003 Transplant solid organ (substance)	30 concepts	35 concepts
<< 77465005 Transplantation (procedure)	273 concepts	167 concepts
<< 24486003 Structure of transplant (body structure)	65 concepts	Also includes addition of corresponding new Entire transplanted body structures 117 concepts

Can be viewed in TS browser QININ project. Editorial Guidance and a Template will be developed.

Examples:

Autotransplantation of ovary (procedure)							
❖	🔌	ci	Autotransplantation of ovary (procedure)	FSN	us:P	gb:P	+
❖	🔌	ci	Autotransplantation of ovary	SYN	us:P	gb:P	+
❖	🔌	CS	Estes operation	SYN	us:A	gb:A	+
❖	🔌	CS	Estes operation on ovary	SYN	us:A	gb:A	+
Axiom							
❖	❖	Is a	Procedure (procedure)				- + ❖
❖	❖	Method	Surgical transplantation - action (qualifier value)				- + ❖
❖	❖	Procedure site - Direct	Structure of transplanted ovary (body structure)				- +
❖	❖	Direct substance	Ovary autograft (substance)				- +

I did not create new tissue graft substances for every gland or visceral organ (see below):

Salivary gland transplantation (procedure)							
❖	🔌	ci	Salivary gland transplantation (procedure)	FSN	us:P	gb:P	+
❖	🔌	ci	Salivary gland transplantation	SYN	us:P	gb:P	+
Axiom							
❖	❖	Is a	Procedure (procedure)				- + ❖
❖	❖	Method	Surgical transplantation - action (qualifier value)				- + ❖
❖	❖	Procedure site - Direct	Structure of transplanted salivary gland (body structure)				- +
❖	❖	Direct substance	Tissue graft - material (substance)				- +

Graft of skin to neck (procedure)							
❖	🔌	ci	Graft of skin to neck (procedure)	FSN	us:P	gb:P	+
❖	🔌	ci	Graft of skin to neck	SYN	us:P	gb:P	+
❖	🔌	ci	Transplant of skin to neck	SYN	us:A	gb:A	- +
Axiom							
❖	❖	Is a	Procedure (procedure)				- + ❖
❖	❖	Method	Grafting - action (qualifier value)				- + ❖
❖	❖	Procedure site - Direct	Skin structure of neck (body structure)				- +
❖	❖	Direct substance	Graft of skin (substance)				- +