

## Emtree Terms Added and Changed (May 2019)

This is an overview of new terms added and changes made in the second Emtree release in 2019.

Overall, Emtree has grown by 526 preferred terms (155 drug terms and 371 non-drug terms) compared with the previous version released in January 2019. In total Emtree now counts 82970 preferred terms.

Because the terms added include replacements for existing preferred terms (which become synonyms of the new terms) as well as completely new concepts, the number of terms added exceeds the net growth in Emtree. Other changes could include the merging of two or more existing preferred terms into a single concept.

The terms added and changed are summarized below and specified in detail on the following pages.

### Emtree Terms Added in May 2019

567 new terms (including 41 replacement terms and promoted synonyms) have been added to Emtree as preferred terms in version May 2019 (compared to January 2019):

- 176 drug terms (terms assigned to the Chemicals and Drugs facet).
- 391 non-drug terms (terms not assigned as Chemicals and Drugs).

The new terms (including the replacement terms and the promoted synonyms) are listed as *Terms Added* on the following pages. Note that many of these terms will have been indexed prior to 2019 (typically as candidate terms), sometimes for several years, before they were added to Emtree.

### Emtree Terms Changed in May 2019

41 terms (21 drug terms and 20 non-drug terms) from Emtree January 2019 have been replaced by 39 different terms in May 2019 (21 drug terms and 18 non-drug terms).

Of these, 32 terms (16 drug terms and 16 non-drug terms) are new (e.g. new generic names for drug chemical names) and have been assigned creation date 2019; the remaining 7 replacement terms (5 drug terms and 2 non-drug terms) were already present in Emtree.

No drug terms were replaced by a non-drug term, no non-drug term were replaced by a drug term. No preferred terms were deleted.

Changes are presented in alphabetical order of the *new* terms.

## Drug terms

ABC-type alpha-factor-pheromone transporter  
 ABC-type beta-glucan transporter  
 ABC-type capsular-polysaccharide transporter  
 ABC-type Cd<sup>2+</sup> transporter  
 ABC-type dipeptide transporter  
 ABC-type fatty-acyl-CoA transporter  
 ABC-type Fe<sup>3+</sup> transporter  
 ABC-type ferric citrate transporter  
 ABC-type ferric enterobactin transporter  
 ABC-type ferric hydroxamate transporter  
 ABC-type glycerol 3-phosphate transporter  
 ABC-type guanine transporter  
 ABC-type heme transporter  
 ABC-type lipid A-core oligosaccharide transporter  
 ABC-type lipopolysaccharide transporter  
 ABC-type maltose transporter  
 ABC-type Mn<sup>2+</sup> transporter  
 ABC-type molybdate transporter  
 ABC-type Na<sup>+</sup> transporter  
 ABC-type Ni<sup>2+</sup> transporter  
 ABC-type nitrate transporter  
 ABC-type nonpolar-amino-acid transporter  
 ABC-type oligopeptide transporter  
 ABC-type oligosaccharide transporter  
 ABC-type phosphate transporter  
 ABC-type phosphonate transporter  
 ABC-type polar-amino-acid transporter  
 ABC-type polyamine transporter  
 ABC-type protein transporter  
 ABC-type quaternary amine transporter  
 ABC-type sulfate transporter  
 ABC-type taurine transporter  
 ABC-type teichoic-acid transporter  
 ABC-type tungstate transporter  
 ABC-type vitamin B12 transporter  
 anetumab  
 apamistamab i 131  
 ascorbate ferrireductase (transmembrane)  
 atoltivimab  
 avexitide  
 avian infectious bronchitis virus vaccine  
 barzuxetan  
 bermekimab  
 betamethasone acetate plus florfenicol plus  
   terbinafine  
 biclotymol  
 biotin-dependent malonate decarboxylase  
 branebrutinib  
 caldariellaquinol oxidase (H<sup>+</sup>-transporting)  
 cantuzumab  
 carboxybiotin decarboxylase  
 chloroplast protein-transporting ATPase  
 cobolimab  
 coccidiosis vaccine  
 coltuximab  
 danicopan  
 dersimelagon  
 deruxtecan  
 diclofenac plus paracetamol  
 dilpacimab  
 dm1 (drug)  
 dm4  
 dostarlimab  
 duocarmazine  
 durlobactam  
 eftozanermin alfa  
 eladocagene exuparvovec  
 eluforsen  
 emtansine  
 encequidar  
 ensifentrine  
 epinephrine plus mepivacaine  
 etokimab  
 exicorilant  
 ferredoxin-NAD<sup>+</sup> oxidoreductase (Na<sup>+</sup>-  
   transporting)  
 fosgemcitabine palabenamide  
 fosifloxuridine nafalbenamide  
 foslinanib  
 fosmanogepix  
 futibatiniib  
 galicaftor  
 gallium 68 plus germanium 68  
 garetosmab  
 gentamicin plus hydrocortisone aceponate plus  
   miconazole  
 gleptoferron plus toltrazuril  
 golexanolone  
 gremubamab  
 H<sup>+</sup>-exporting diphosphatase  
 hexapneumine  
 hyaluronidase plus trastuzumab  
 iadademstat  
 idecabtagene vicleucel  
 ilginatinib  
 indatuximab  
 lenzumestrocel  
 leriglitazone  
 lorvotuzumab  
 maftivimab  
 masupirdine  
 maytansine derivative  
 menaquinol oxidase (H<sup>+</sup>-transporting)  
 mertansine  
 miricorilant  
 mitochondrial protein-transporting ATPase  
 mivavotiniib  
 murlentamab  
 Na<sup>+</sup>-transporting two-sector ATPase  
 NADH:ubiquinone reductase (Na<sup>+</sup>-transporting)  
 nanatinostat  
 neluxicapone

nerinetide  
nimacimab  
obexelimab  
odevixibat  
olenasuflogene relduparovec  
olinvacimab  
omega interferon  
ontamalimab  
orilanolimab  
osocimab  
oxaloacetate decarboxylase (Na<sup>+</sup> extruding)  
oxymetazoline plus tetracaine  
P-type Ag<sup>+</sup> transporter  
P-type Cu<sup>+</sup> transporter  
P-type Cu<sup>2+</sup> transporter  
P-type K<sup>+</sup> transporter  
P-type Mg<sup>2+</sup> transporter  
P-type Na<sup>+</sup> transporter  
P-type phospholipid transporter  
P-type Zn<sup>2+</sup> transporter  
pegbelfermin  
porcine atrophic rhinitis vaccine  
porcine circovirus porcine enzootic pneumonia  
vaccine  
porcine parvovirus vaccine  
pozelimab  
prademagene zamikeracel  
prolgolimab  
protein-secreting ATPase  
proton-translocating NAD(P)<sup>+</sup> transhydrogenase  
ravtansine  
repotrectinib  
resamirigene bilparovec  
resmetirom  
rocacetrapi

rolinsatamab  
rolinsatamab talirine  
rovafovir etalafenamide  
ruxotemitide  
samotolisib  
selatogrel  
seprehvir  
serdexmethylphenidate  
setamevetcel  
setogepram  
sintilimab  
siremadlin  
soticlestat  
spesolimab  
tabituximab  
tabituximab barzuxetan  
tafasitamab  
taniborbactam  
telaglenastat  
temelimab  
teserpaturev  
tildacerfont  
tirbanibulin  
toripalimab  
translocase  
ubiquinol oxidase (electrogenic, proton-motive  
force generating)  
ubiquinol oxidase (H<sup>+</sup>-transporting)  
umibecestat  
vafidemstat  
valecobulin  
vofatamab  
volrubigene ralaparovec  
zampilimab

## Non-drug terms

A Measurement Tool to Assess Systematic Reviews

abdominal aortic wall

Acarapis

Aceria

adactylia

adult neuronal ceroid lipofuscinosis

Alocasia macrorrhizos

alveolar crest

amebic keratitis

amnesic shellfish poisoning

Amorphophallus konjac

Amorphophallus paeoniifolius

Amorphophallus paeoniifolius var. campanulatus

amputation free survival

anhydramnios

animal parameters

anterior vena cava

aorta stripping

aortic arch aneurysm

aortic calcification

aortic root calcification

aortic valve calcification

apatite stone

Arbutus

Arbutus unedo

arginine deficiency

Arum maculatum

Arum palaestinum

ascending aortic aneurysm

Australopithecus

avoidant restrictive food intake disorder

B-3 cell line (lens epithelium)

B12 deficiency

bacteriotherapy

band keratopathy

behavioral test parameters

benzo[a]pyrene-resistant cell line

Bietti crystalline dystrophy

bioabsorbable mesh

biochemical disease free survival

biochemical progression free survival

biotin deficiency

bladder contractility index

bladder intercontraction interval

bladder outlet obstruction index

bladder strip

Blighia sapida

bone hydatidosis

bone surface density

bone volume

bone volume fraction

brain echinococcosis

brain-to-serum ratio

breast tomosynthesis system

bromine poisoning

broncholithiasis

brushite stone

bulbar conjunctiva

calcaneonavicular coalition

calcium carbonate urolithiasis

calcium oxalate dihydrate stone

calcium oxalate monohydrate stone

calcium oxalate urolithiasis

calcium phosphate urolithiasis

calcium stone (cholelithiasis)

calcium stone (urolithiasis)

canalolithiasis

cancer free survival

Candida haemulonis

cardiovascular calcification

Caretta

carotid artery calcification

carpal coalition

caudal ventrolateral medulla

CC50 (cytotoxic concentration)

CD50 (cytotoxic dose)

cerebral ischemia reperfusion injury

cerebrospinal fluid-to-serum ratio

Chelonia

chemical fingerprinting

Cheyletiella

choline deficiency

chromium deficiency

chronic pulmonary aspergillosis

Clinacanthus

Clinacanthus nutans

Codex Alimentarius

comet parameters

concanavalin A-induced liver injury

conformity (social behavior)

congenital amputation

congenital hereditary endothelial dystrophy

coprolite

cupulolithiasis

cutting stapler

cystine stone

cytotoxic dose

dacryolithiasis

data accuracy

data completeness

data consistency

data paper

data quality

data quality assessment

data validity

Demodex brevis

descending aortic aneurysm

diabetic eye disease

diabetic keratopathy

diabetic ophthalmoplegia

diarrhetic shellfish poisoning

disability free survival

distant disease free survival

distant progression free survival

distant recurrence free survival

dolichostenomelia

dose volume histogram  
 Dracocephalum  
 Dracocephalum kotschyi  
 Dracocephalum moldavica  
 emotional eating  
 end-diastolic pressure-volume relationship  
 end-systolic pressure-volume relationship  
 endothelium-intact aortic ring  
 enterolithiasis  
 EO771 cell line  
 epithelial basement membrane dystrophy  
 erectile tissue (penis)  
 Eretmochelys  
 Eriophyidae  
 experimental Chagas disease  
 experimental protozoal infection  
 experimental Staphylococcus aureus infection  
 experimental Staphylococcus infection  
 external limiting membrane  
 fear of missing out  
 fecaloma  
 filamentary keratitis  
 Finnish variant late infantile neuronal ceroid  
     lipofuscinosis  
 fish poisoning  
 flexible flatfoot  
 food neophobia  
 food refusal  
 food standard  
 fornix conjunctiva  
 fractional shortening  
 Fragaria vesca  
 Fuchs endothelial dystrophy  
 Fukomys  
 gastric stasis  
 gastrointestinal stasis  
 gelatinous drop-like corneal dystrophy  
 genetic fingerprinting  
 GH1 cell line (pituitary tumor)  
 glenoid baseplate  
 glenoid component of shoulder prosthesis  
 glenoid liner  
 glenoid sphere  
 glutamine deficiency  
 granular corneal dystrophy  
 granular corneal dystrophy type 1  
 granular corneal dystrophy type 2  
 Haff disease  
 hatha yoga  
 Health Canada  
 heart calcification  
 heart echinococcosis  
 heart left ventricle enddiastolic diameter  
 heart left ventricle endsystolic diameter  
 heart valve calcification  
 hepatic inflammatory pseudotumor  
 hepatic ischemia reperfusion injury  
 hereditary corneal dystrophy  
 histamine poisoning  
 HMEC cell line (microvascular endothelium)  
 Homo denisovan  
 Homo erectus  
 Homo heidelbergensis  
 hot yoga  
 humeral component of shoulder prosthesis  
 humeral cup  
 humeral stem  
 humeroradial synostosis  
 hypocupremia  
 hypoferremia  
 hypophalangia  
 infantile neuronal ceroid lipofuscinosis  
 infrarenal aortic aneurysm  
 inner retina  
 internal limiting membrane  
 International Federation of Red Cross and Red  
     Crescent Societies  
 intestinal stasis  
 intoeing  
 iron refractory iron deficiency anemia  
 iyengar yoga  
 joint spacer  
 juvenile neuronal ceroid lipofuscinosis  
 juxtarenal aortic aneurysm  
 keratoglobus  
 keratomalacia  
 KID syndrome  
 Laelapidae  
 Laelaps  
 late infantile neuronal ceroid lipofuscinosis  
 lattice corneal dystrophy  
 lattice corneal dystrophy type 1  
 lattice corneal dystrophy type 2  
 left auditory cortex  
 left inguinal lymph node  
 left pulmonary artery  
 Leptotrombidium deliense  
 lethal time  
 lipid fingerprinting  
 Liponyssoides  
 Liponyssoides sanguineus  
 local disease free survival  
 local progression free survival  
 LT100  
 LT50  
 LT90  
 lung ischemia reperfusion injury  
 lymphomonocyte  
 M-7 cell line (fibrosarcoma)  
 macrodactyly  
 Macronyssidae  
 macular corneal dystrophy  
 manganese deficiency  
 manganese poisoning  
 manganism  
 maximum non-toxic dose  
 Medical Education Research Study Quality  
     Instrument  
 Medicines and Healthcare products Regulatory  
     Agency

medullary reticular formation  
 megalocornea  
 mesenteric vascular bed  
 metabolic fingerprinting  
 methicillin susceptible *Staphylococcus aureus*  
 infection  
 methionine deficiency  
 microbial keratitis  
 microcalcification  
 microcornea  
 minimum biofilm eradication concentration  
 mitral valve calcification  
 molecular fingerprinting  
 molybdenum cofactor deficiency  
 molybdenum deficiency  
 muscle dysmorphia  
 Nash equilibrium  
 neuronal ceroid lipofuscinosis 6  
 neuronal ceroid lipofuscinosis 8  
 neurotoxic shellfish poisoning  
 neurotrophic keratopathy  
 no-observed-effect level  
 no-toxic-effect level  
 nonalcoholic steatohepatitis  
 nonproliferative diabetic retinopathy  
 Notoedres  
 oligodactyly  
 Olive tail moment  
 opportunity cost  
 orbit hydatid cyst  
 Ornithonyssus  
 Ornithonyssus bacoti  
 Ornithonyssus bursa  
 Ornithonyssus sylviarum  
 orthorexia  
 out toeing  
 ovarian cortex  
 ovarian stroma  
 palpebral conjunctiva  
 pancreas hydatid cyst  
 pancreatolithiasis  
 pantothenic acid deficiency  
 paralytic shellfish poisoning  
 Paranthropus  
 pararenal aortic aneurysm  
 paw thickness  
*Penaeus chinensis*  
*Penaeus indicus*  
*Penaeus japonicus*  
*Penaeus merguensis*  
*Penaeus semisulcatus*  
*Penaeus vannamei*  
 peptide mass fingerprinting  
 percentage of tail DNA  
 pes planovalgus  
 pes valgus  
 pes varus  
 pharmacovigilance  
 phlyctenular keratoconjunctivitis  
 photokeratitis  
*Pinellia ternata*  
 PLA-801C cell line  
 porcelain aorta  
 porcelain gallbladder  
 posterior polymorphous corneal dystrophy  
 posterior vena cava  
 Preferred Reporting Items for Systematic Reviews  
 and Meta-Analyses  
 product quality  
 prostate strip  
 prostatic calcification  
 prostatic lithiasis  
 protein fingerprinting  
 pseudoainhum  
 puffer fish poisoning  
 pulmolithiasis  
 punding  
 Purtscher like retinopathy  
 Purtscher's retinopathy  
 Quality Assessment of Diagnostic Accuracy Studies  
 quality assessment tool  
 radioulnar synostosis  
 rapunzel syndrome  
 Red Crescent  
 regional failure free survival  
 Reis-Bucklers corneal dystrophy  
 renal ischemia reperfusion injury  
 retinal vascular disease  
 right auditory cortex  
 right inguinal lymph node  
 right pulmonary artery  
 rigid flatfoot  
 Schnyder corneal dystrophy  
 scombroid poisoning  
 seafood poisoning  
 selective intrauterine growth restriction  
 selenosis  
 silica stone (urolithiasis)  
 silica-induced pulmonary fibrosis  
 silk gland  
 sinus irrigation  
 SK-OV-3/CDDP cell line  
 soft-shelled turtle  
 sole dermatoglyphics  
*Sorbus aucuparia*  
 spastic flatfoot  
 special situation for pharmacovigilance  
 spleen hydatid cyst  
 Standard Gamble  
*Staphylococcus aureus* infection  
 struvite stone  
 subchondral bone  
 suppurative keratitis  
 suprarenal aortic aneurysm  
 tail extent moment  
 tail intensity  
 tail length (animal)  
 tail length (comet assay)  
 tail moment  
 talocalcaneal coalition

Tarsonemidae  
taurine deficiency  
testotoxicosis  
therapeutic dose  
Thibierge Weissenbach syndrome  
Thiel Behnke corneal dystrophy  
thoracic aortic wall  
Tilia cordata  
time trade-off method  
timeliness  
timeliness (data)  
Tinospora crispa  
tissue oximeter  
tissue spectrometer  
tomosynthesis system  
total shoulder prosthesis  
trabecular bone pattern factor  
trabecular number  
trabecular separation  
trabecular thickness  
transplant free survival  
treatment free survival

trichophagia  
tryptophan deficiency  
Turkish variant late infantile neuronal ceroid  
lipofuscinosis (CLN7)  
twin anemia polycythemia sequence  
twin oligohydramnios polyhydramnios sequence  
twin reversed arterial perfusion sequence  
Typhonium  
unexpected outcome of drug treatment  
United Nations Food and Agricultural Organization  
uterine lavage  
vertical talus  
vitamin B deficiency  
voided volume  
voiding efficiency  
Willingness To Pay  
World Bank  
xanthine stone  
xerocytosis  
yoga nidra

**Drug terms****New or pre-existing term***\* indicates pre-existing term*

apamistamab i 131

avexitide

bermekimab

bulaquine\*

danicopan

eluforsen

gallium 68 plus germanium 68

garetosmab

givosiran\*

iadademstat

ilginatinib

imlifidase\*

leriglitazone

mesmulogene ancovacivec\*

mivavotinib

obexelimab

ontamalimab

Pelargonium sidoides extract\*

seprehvir

setogepam

volrubigene ralaparvovec

**Old (replaced) term***These terms become synonyms of the new term*

iomab B

exendin 9

xilonix

8 [4 (3 acetyl 4,5 dihydro 2 furylamino) 1 methylbutylamino] 6 methoxyquinoline

ach 0144471

qr 010

germanium 68 plus gallium 68

regn2477

aln as1

ory 1001

2 [1 (4 fluorophenyl)ethylamino] 4 (1 methyl 1h pyrazol 4 yl) 6 (2 pyrazinylamino)pyridine

hmed ides

hydroxytioglitazone

tg 4010

tak 659

xmab5871

pf 547659

umckaloabo

HSV 1716

3 pentylbenzeneacetic acid

at342

## Non-drug terms

### New or pre-existing term

*\* indicates pre-existing term*

aorta stripping  
 B-3 cell line (lens epithelium)  
 B12 deficiency  
 behavioral test parameters  
 benzo[a]pyrene-resistant cell line  
 calcium oxalate urolithiasis  
 CC50 (cytotoxic concentration)  
 EO771 cell line  
 hereditary corneal dystrophy  
 HMEC cell line (microvascular endothelium)  
 M-7 cell line (fibrosarcoma)  
 pancreatolithiasis  
 Penaeus\*  
 Penaeus\*  
 Penaeus\*  
 Penaeus chinensis  
 Penaeus vannamei  
 retinoblastoma cell line\*  
 SK-OV-3/CDDP cell line  
 therapeutic dose

### Old (replaced) term

*These terms become synonyms of the new term*

aortic strip  
 B-3 cell line  
 cyanocobalamin deficiency  
 behavioral test parameter  
 benzo[a]pyrene resistant cell line  
 calcium oxalate stone  
 CC50  
 EO771 cell line  
 congenital cornea dystrophy  
 HMEC cell line (microvascular endothelial)  
 M-7 cell line  
 pancreas stone  
 Farfantepenaeus  
 Fenneropenaeus  
 Litopenaeus  
 Fenneropenaeus chinensis  
 Litopenaeus vannamei  
 RB cell line (retinoblastoma)  
 SK-OV-3/DDP cell line  
 curative dose