

- **Emtree 2025.02 release notes**

General improvements

Developments around COVID 19 / SARS COV II respectively are no longer a strong focus but are still being observed and added to the taxonomy.

Diseases

In total 412 new disease concepts have been added, of which

- 48 new eye-related disorders, among which 22 new 'cataract' concepts, and hierarchy review under 'strabismus'
- 44 new concepts added under 'hair disease'
- 29 cyst- and ...cele-related disorders
- 16 atresia-related disorders
- 15 fracture-related disorders
- 14 inflammation-related disorders
- 9 ectopy-related disorders
- 6 X-linked neurological disorders
- 60+ Congenital disorders

Correction of 'cervical rib' previously in anatomy-branch now under 'supernumerary rib'

Bringing together spread-out concepts into their own branchlet for 'malacia', 'induration', 'nipple disease' and 'fissure'.

Hierarchy review and integrating into same branch the previously unrelated 'gonadal disease' and 'gonad dysfunction'

As part of the ongoing taxonomy enrichment for Congenital disorders, several updates have been introduced:

- A new hierarchy under the branch 'Congenital nephropathy' has been established, grouping previously unrelated disease terms such as congenital nephrotic syndrome and kidney malformation.
- The branch 'Palate malformation' now brings together various syndromes and malformations associated with cleft lip and cleft palate.
- A hierarchy for 'Urinary tract malformation' has been developed, focusing on terms related to malformations of the ureter and urethra, aligning with the WHO classification of birth defects and the ICD-11 classification.
- A branch titled 'Dysgenesis' has been introduced, including multiple congenital malformation disorders caused by dysgenesis.

Correction of the branch and separation of a synonyms under 'Diverticulosis' which is now included under new branch 'Diverticular disease', incorporating several new terms and hierarchical updates.

Created a new X-linked neurological disease branch for pooling together neurological disorders affected by gene mutations in the X chromosome. This provides a more-user friendly platform on Emtree, which will be expanded further to more genetic-related disease branches.

6 new concepts added under 'experimental disease' branch

Drugs and chemicals

Updates regarding all routinely monitored sources were provided.

- The content of list 132 (published on 13/02/2025) of proposed INNs the including the COVID-19 special edition as published by the WHO was incorporated (263 entries) and published corrections on previous lists were processed.
- The United States Adopted Names published from November 2024 until February 2025 (included) were incorporated.
- Names of newly approved drugs, drugs under consideration and drug trade names as published by the FDA, EMA and MHRA in the period October 2024 – January 2025 (included) were incorporated.

In total, 260 new drug concepts have been added.

Medical devices

- 34 device concepts and 459 new alternative labels have been added to the medical device branch of Emtree.
- Of the 459 new alternative labels 251 comprise new device trade names. These labels are associated with concepts such as pacemaker, suture, X-ray unit, bone plate and more. Most of these device trade names were sourced directly from their corresponding manufacturers. This is an ongoing effort and will be continued in future releases.
 - These also include FDA's recently approved devices published before the date of Emtree editorial freeze.
- 208 new alternative labels have been added to concepts such as wearables, implants, prosthesis etc.
 - For full coverage of concept and altlabel additions see the document 'Emtree terms added and changed'

Anatomy

Some hierarchy review under 'nerve cell'.

Addition of 39 new 'cell' concepts, among which 8 interneuron concepts

Biological function

Some hierarchy review under 'musculoskeletal function' and addition of 28 new concepts

Some hierarchy review under 'epigenetic modification' and addition of 15 new related concepts

Addition of 20 new diet- and 12 new food-related concepts

Procedures

Addition of "...medication"-synonyms, where applicable, in the 'drug therapy'-branch

Addition of 22 'epigenetic modification'-related procedure concepts

Addition of new 'balance test'-branchlet with 22 new concepts under 'function test', as well as addition of 11 new concepts within 'exercise test'-branchlet

Organisms:

In total 56 new organism concepts have been added, of which

34 additions were made to virus, with 209 new terms

- 2 Monkeypox viral strains/isolates - 6 terms
- 31 SARS-CoV-2 related items – 199 terms
- 1 SARS related organism – 4 terms

Society

Addition of 'victimization'-branchlet (10 concepts) and 5 new concepts to 'victim' branchlet

Addition of 'generational group' branchlet (6 new concepts)

Addition of 7 new 'cyber crime'-related concepts

Addition of 12 'infrastructure'-related concepts