

- **Emtree 2023.02 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

7 new concepts added under 'experimental diseases' branch.

More than 200 new concepts added and taxonomy as a part of:

- "infection" branch taxonomy revision and expansion ("mycosis" and "virus infection" branches completed)
- revision of "cardiomegaly" and "cardiomyopathy" branches with taxonomy improvement and synonyms distribution correction.
- review of "pregnancy disorders", "pregnancy complications", and "labor complications" branches with taxonomy improvement and synonyms distribution correction.

Addition of more synonyms to various concepts within the "pain" branch

Drugs and chemicals

Updates regarding all sources that are routinely monitored have been provided.

- The United States Adopted Names published from November 2022 until February 2023 (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 2022 – January 2023 (included) were incorporated.
- The content of list 128 (published on 19/01/2023) of proposed INNs as published by the WHO was incorporated (190 entries) and published corrections on previous lists were processed.

Additional COVID-19 related updates have been provided.

- The content of list 128 - COVID-19 special edition addendum 2 (published on 19/01/2023) of proposed INNs as published by the WHO was incorporated (11 entries). (The content of list 128 - COVID-19 special edition and its addendum 1 had already been incorporated in the previous taxonomy version.)
- Taxonomy data on COVID-19 vaccines was updated with (WHO or nationally) approved vaccines and new trade names etc.
- Data on drugs under consideration or approved by the FDA, EMA and WHO to treat COVID-19/SARS-CoV-2 infection was monitored and updated up until mid-March 2023.

In total, 196 new concepts have been added.

Medical devices

- 851 new alternative labels have been added to the medical device branch of Emtree.
- Of these 851 new alternative labels 809 concern new device trade names. These include FDA's recently approved devices until the date of editorial freeze. Most of the new trade name labels have been acquired from the websites of their corresponding manufacturers. This is an ongoing effort and will be continued in future releases.
- 3 new concepts have been added. 'troponin CLIA kit', 'cardiac troponin C CLIA kit' and 'cardiac troponin T CLIA kit' were introduced to Emtree to disambiguate which component of the troponin complex is used for detection.
- Part of our maintenance efforts include addition and maintenance of GMDN (Global Medical Device Nomenclature) terms. 37 new GMDN terms have been added to existing Emtree concepts as alternative labels in this release. All GMDN terms in Emtree were updated with the most recent information from the GMDN website. By improving and maintaining our coverage of GMDN terms we provide a connection with terms as used by FDA's GUDID.

Anatomy

- Revision and expansion of "joint" branch. 36 new concepts were added.

Procedures

- Addition of 5 new "microscopy" concepts

Organisms:

44 new organisms were added, amongst which 25 new SARS-CoV-2 related organisms

In total 131 new synonyms were added

Society:

- Some revision and synonym additions to "disabled person" branch, and the renaming of "slave" to "enslaved person"
- Addition of 10 new concepts under the "land use" branch

Footnote on MeSH data

- The issue of original MeSH data containing a heading term "Sophora flavescens", with a ligature "fl" has meanwhile been fixed by nlm with proper distinct characters "fl".