

Emtree 2015.02 release notes

In the 2nd release of 2015, Emtree has overall grown by 848 preferred terms (124 drug terms and 724 non-drug terms) compared with the previous version released in January 2015. In total Emtree now counts 71,802 preferred terms.

Details on additions and changes are provided below:

Anatomical concepts

- Addition of 53 neuro-anatomical concepts.
- Addition of 15 new concepts to 'animal structures' branch.
- Enhancements of branches 'blood vessel', 'muscle', 'smooth muscle', 'brain' (mainly brain layers).

Diseases

- Creating a clear distinction between human chromosome anomalies (covered in the 'karyotype' branch (facet G) and 'sex chromosome aberration' branch (facet C)) and associated diseases (7 new concepts).
- Moved 'non-disease' concepts from the 'neoplasm' branch to 'oncogenesis and malignant transformation' and 'tumor cell culture' branches.
- Addition of experimental diseases (33 new or promoted concepts).

Drug administration routes

- Change of the hierarchical structure.
- Addition of 6 new concepts.

Drugs and chemicals

- New terms of the WHO (proposed) INN list 112 (January 2015) were incorporated.
- More hierarchy was added to the peptide hormones branch.

Organisms

- Update of the virus branch and alignment with the NCBI taxonomy.
In the last 25 years knowledge about virus relationships has incredibly increased and a definition of species and their organization into genera, families and orders has been developed. Conglomerate concepts in Emtree containing species, genus, and family have been split up into the respective ranks and enhanced with missing counterparts (227 new or promoted concepts). This project, started for release 2015.01, is now completed.
- Update of the mammal branch and alignment with the NCBI taxonomy.
Conglomerate concepts in Emtree have been split up into the respective ranks and enhanced with missing counterparts. For the 2015.02 release, the important orders Cetartiodactyla (even-toed ungulates, dolphins and whales) and Carnivora (carnivores) have been worked on (95 new or promoted concepts). The remaining orders will follow for release 2015.03.
- Addition of horse breeds (8 new concepts).
- Promotion of organism synonyms such as flour/meal and tofu to concepts in their own right within the food branch and enhancement with missing counterparts (24 new or promoted concepts).
- As a side effect of the above actions, the number of MeSH terms hidden as synonyms has considerably been decreased within the organism branch.
- In the taxonomy management system Synaptica, organism concepts are enriched with the ID and rank of the respective concept in the NCBI taxonomy. This information enables products to link out to an authoritative source, display the rank or collapse the hierarchy by using a limited number of ranks only.
- Bacterial branch: the Salmonella species hierarchy has been corrected according latest data. Species with "subsp." are corrected as requested.

Parameters

- Addition of important parameters, mainly pharmacological (103 new concepts)

Procedures

- Addition of experimental test (5 new concepts).

Scope notes

- Revision of check tag scope notes
- Addition of device subheading scope notes