Summary of work on CHO musculoskeletal system

In version 1.1 of the OCDM, we have extended content in Craniofacial Human Ontology (CHO) to include the taxonomic and spatio-structural representation of the entire musculoskeletal system of the head (muscles, bones, cartilages, skeletal ligaments and joints). The work entailed the addition of over 1500 classes (represented by >2000 terms, either as preferred term, synonym or non-English equivalent) and the instantiation of about 15000 relationships between the classes using 34 properties, such as parthood (regional partonomy, constitutional partonomy and membership), connectivity (articulation, attachment, continuity, innervation [nerve supply]) and location (qualitative coordinate relationships such as anterior to, posterior to, superior to, inferior to, medial to, lateral to, etc., and containment).