

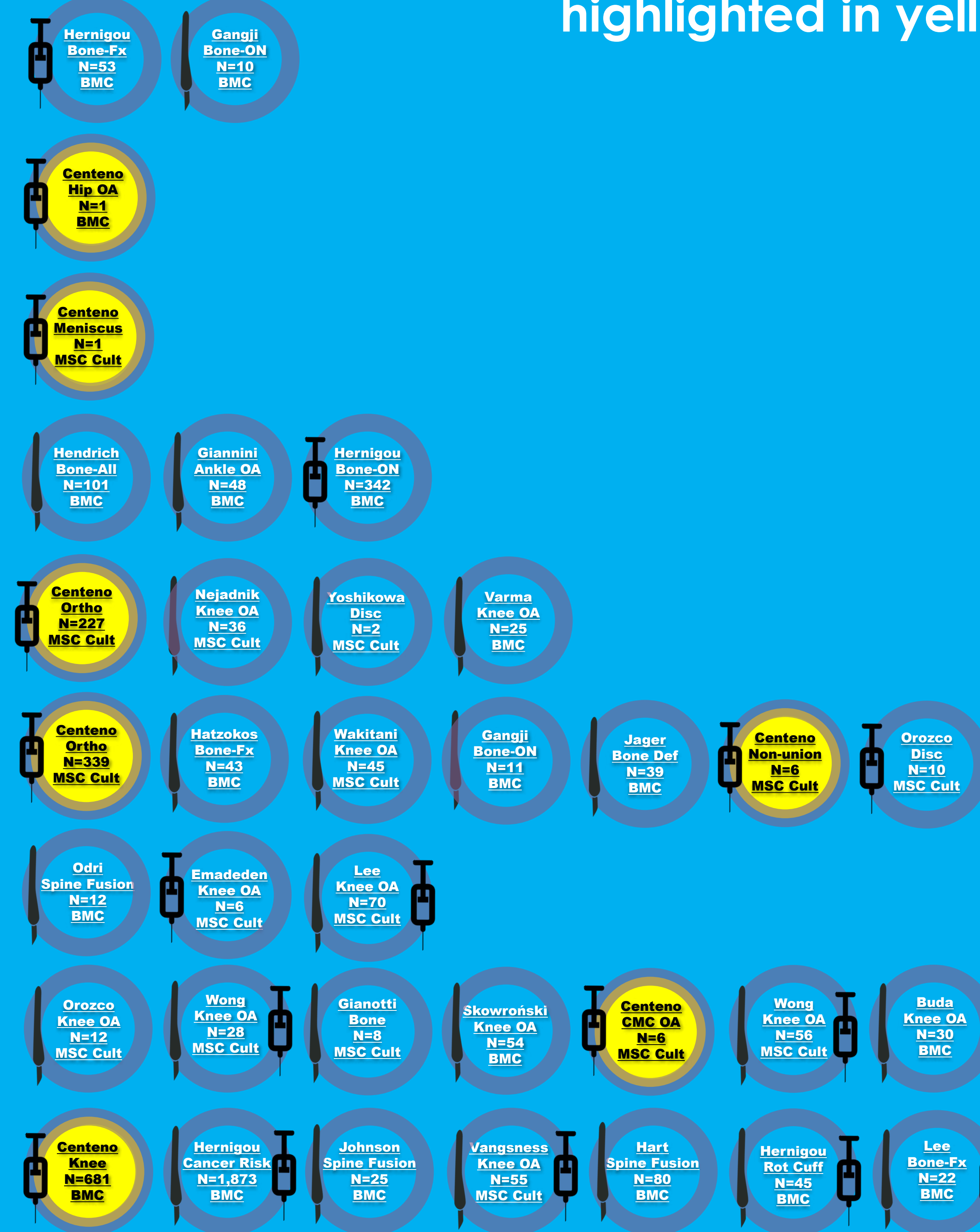
2021 Bone Marrow Stem Cell Infographic

Some physicians and scientists argue that we don't have much research supporting the use of bone marrow stem cells to treat orthopedic conditions. Here I list all significant publications from the late 90s through April 2021. The list was complied by running various searches on body parts and bone marrow cell types on PubMed. Each circle represents a research study and is hyperlinked to the abstract in the U.S. National Library of Medicine or the full text article. The main author is listed, the area of treatment, the number of patients involved or treated with bone marrow cells, and the type of bone marrow stem cells used (either Autologous Bone Marrow Concentrate (BMC), Bone Marrow Aspirate (BMA) or Cultured Mesenchymal Stem Cells (MSC Cult) [autologous or allogeneic]. The scalpel or injection icons represent the three types of delivery techniques: injection, surgical, or both. Regenexx publications are highlighted in yellow. Case series smaller than 5 patients, unless publishing on original concepts were excluded.

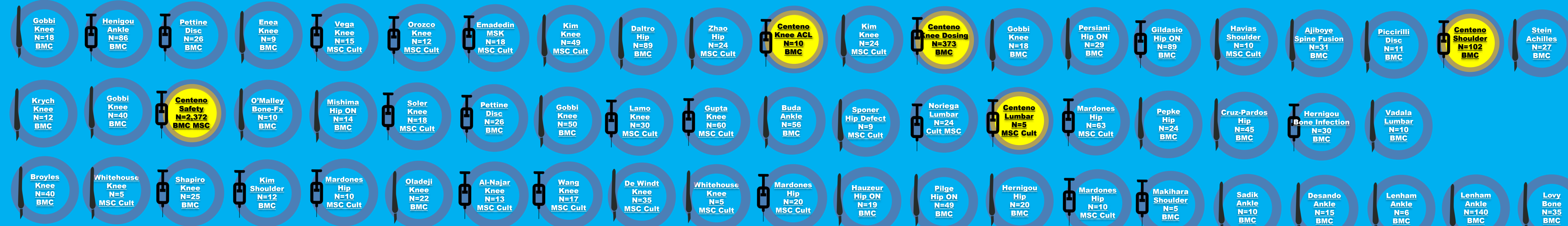


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2010



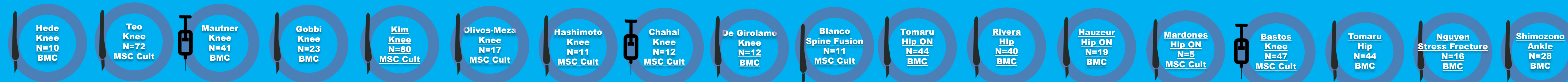
2015



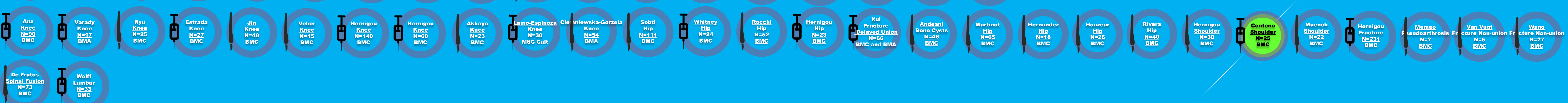
2018



2019



2020



2021

