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ITPain

Improving Translational Research for Chronic Pain

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Currently, there is a huge heterogeneity of protocol design and data collection in preclinical and clinical chronic pain trials, hampering comparability and translatability of results from bench to bedside. Within ITPain, we aim to overcome these challenges by harmonising protocol templates and data collection (including *omics-approaches) for preclinical and clinical trials and aligning them in a translational approach. This will be achieved by developing consensus on protocols and a minimum and clinically relevant "Core Set of Data". Protocol extractions from literature and previous studies, literature searches related to previously consented Core Set of Data, analysis of data already collected, and Delphi processes between multidisciplinary stakeholders (e.g. researchers, clinical scientists, clinicians, data analysts, *omics experts, patients, and pain societies) will be part of this process. Furthermore, a first step towards a joint server infrastructure for an enhanced comparability and analysis of already available data resources (collected by network members from previous studies to assess comparability and integrability of multidimensional datasets) and future trials is planned. Together, this will improve future trial design, avoid research on non-relevant biomarkers, reduce reporting bias and facilitate the translation of findings into clinical practice with the aims of developing new treatment options and improving patient stratification.