DANish Concussion Research Collaboration,

DANCORC

human first

CONCUSSION RESEARCH, KNOWLEDGE, DISSEMINATION & EDUCATION



PURPOSE

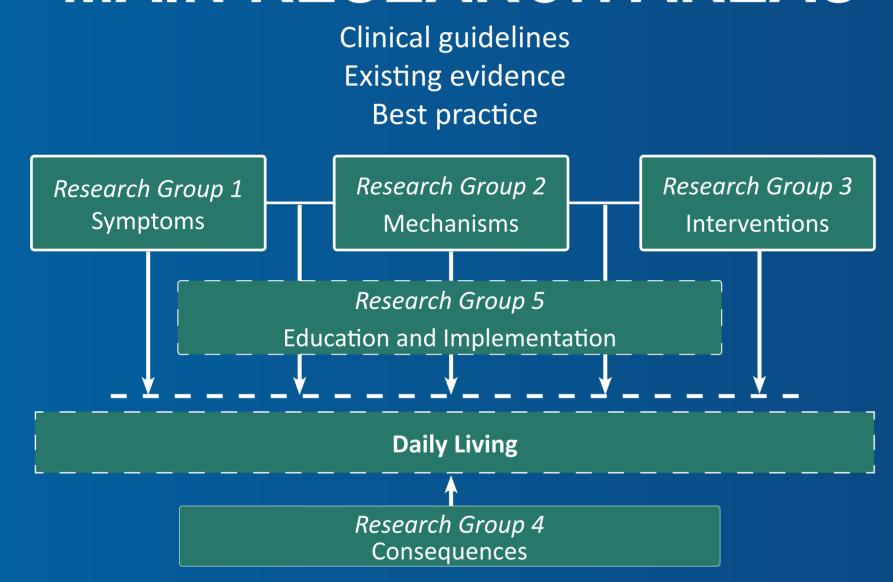
The purpose is to create an academic health care partnership of the highest international standards and with a distinctive emphasis on the integration of subjects of key relevance within different perspectives of the scientific field of concussion. The aim is to accommodate the need for further knowledge, and to investigate mechanisms, symptomology, and consequences in daily life following a concussion as requested in the international and national guidelines.

EXPECTED RESULTS

The collaboration expects knowledge to be gained in regard of experienced symptoms, mechanisms, and experienced consequences of concussion on daily living, as well as effects of the developed interventions. The results are expected to enclose both body functions, activities, participation, surroundings, and personal factors due to the bio-psycho-social framework which partners have in common in the DANCORC collaboration. Furthermore, the collaboration enables a better understanding of the pathophysiological and neurological changes in the human body, as well as the behavioral, social, and psychological changes and their possible consequences to the experienced life of individuals suffering from concussion and their relatives.

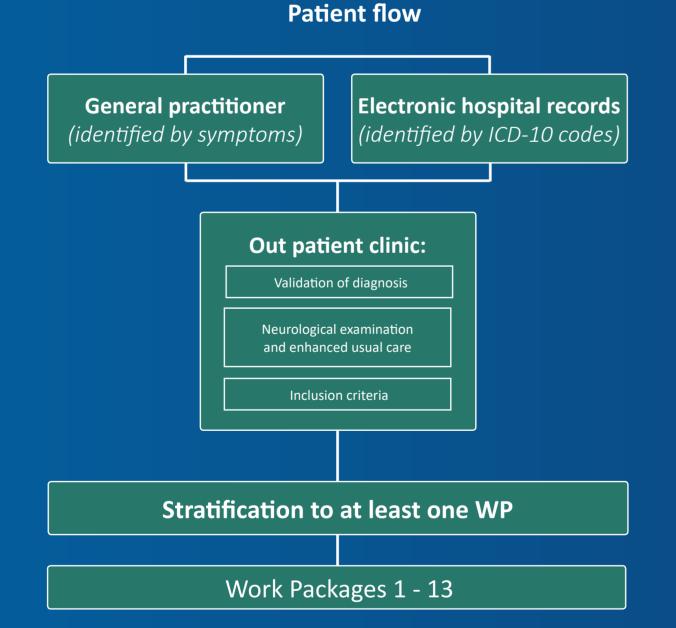


MAIN RESEARCH AREAS

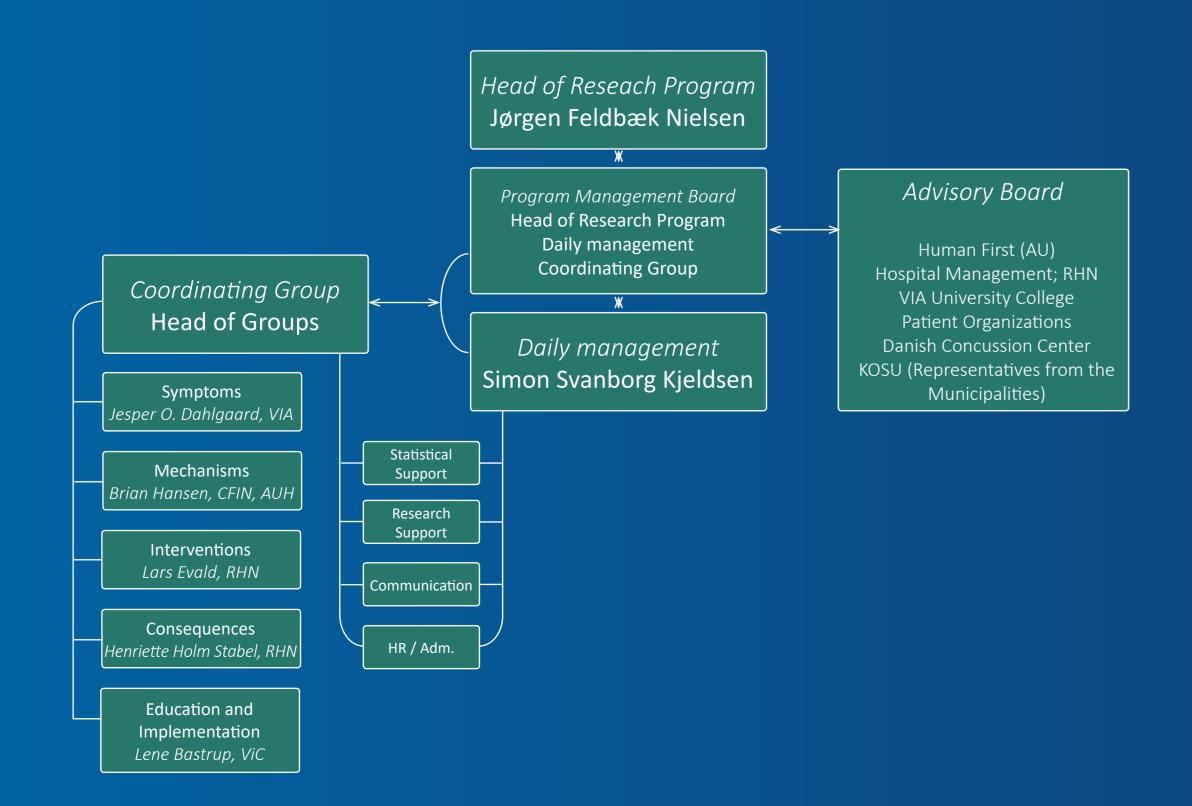


OUT PATIENT CLINIC

Potential patients with mTBI; all medical contacts in the Central Denmark Region



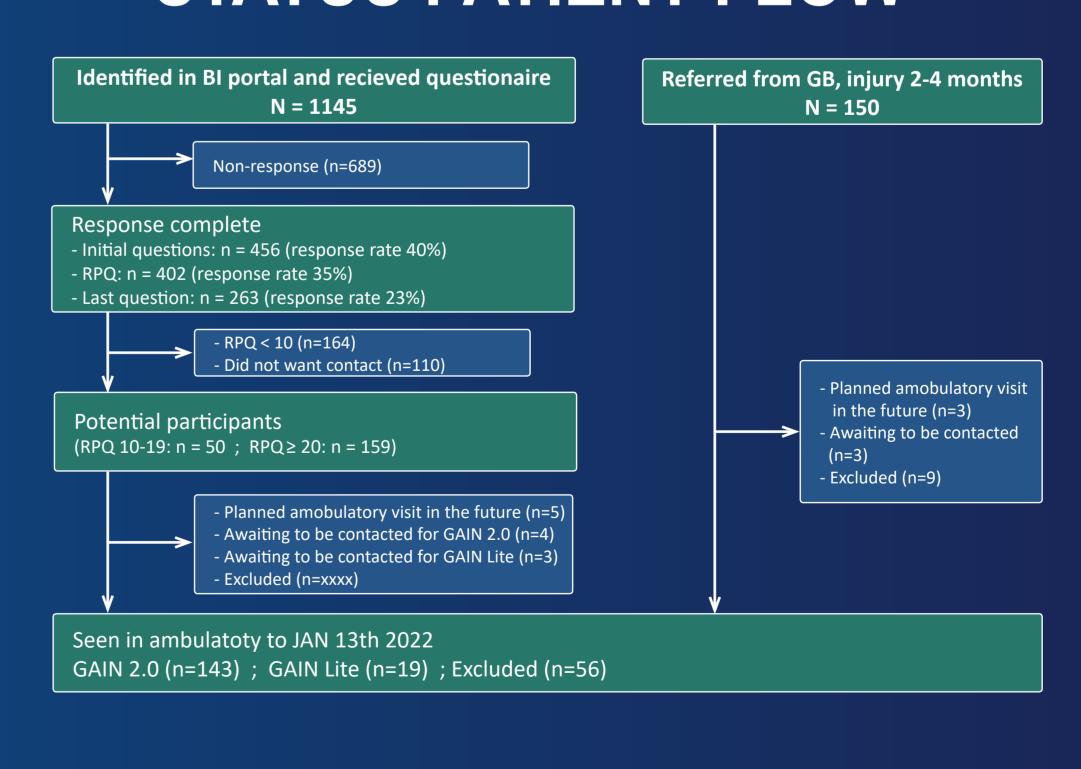
GOVERNANCE



PLANNED RESEARCH

Symptoms	Mechanisms	Interventions	Consequences	Education and implementation
WP1	WP4	WP8	WP12	WP13
Post traumatic head-	Preclinical MRI brain	GAIN 2.0	Health-related quality	Implementation, dis-
ache (PTH)	physiology validation		of life:	semination, evaluation:
	, , , ,	Study 1: Effectiveness		
Study 1: Phenotyping of	Study 1: Experimental	study of the interven-	Study 1: Impact on daily	Study 1: Implement and
PTH	mouse model of repet-	tion	living	disseminate recom-
Study 2: Intervention	itive mTBI		Study 2: Impact of in-	mendations
for PTH		WP9	terventions in DAN-	<i>Study 2:</i> Process eval-
		GAIN Lite	CORC	uation of implementa-
	WP5			tion of DANCORC inter-
WP2	Neurovascular changes	Study 1: Feasibility		ventions
Fatigue		study		
	Study 1: Comparison	Study 2: Effectiveness		
Study 1: Psycho-neu-	of remitted vs chronic	study		
ro-immunological	mTBI patients	1476		
mechanisms	Study 2: Associations	WP10		
Study 2: Mindful-	MRI biomarkers &	Hypnotic and mindful-		
ness-based cognitive	symptoms	ness suggestion inter-		
therapy intervention	Study 3: Association	vention:		
	MRI & serum biomark-	Study 1: Targeted hyp-		
WP3	ers	notic suggestion - vs		
Sleep Disturbances		non-targetet mindful-		
(SD)	WP6	ness suggestion – in-		
(30)	Mitochondrial meta-	tervention		
Study 1: Epidemiology	bolic consequences:			
of SD		WP11		
Study 2: Ear EEG sleep	Study 1: Association	Return to work inter-		
stage validation on	in vivo mitochondrial	vention:		
mTBI population	phenotyping & stress/			

STATUS PATIENT FLOW



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