REPUBLIC OF LEBANON MINISTRY OF PUBLIC HEALTH Lebanon Clinical Trials Registry

Ergonomics and Mindfulness for preventing musculoskeletal pain and a better quality of life

15/07/2025 16:02:12

lain Information	
Primary registry identifying number	Protocol number
LBCTR2022095130	CEHDF2040
MOH registration number	
CEHDF 2040	
Study registered at the country of origin	Study registered at the country of origin: Specify
Yes	
Type of registration	Type of registration: Justify
Prospective	N/A
Date of registration in national regulatory agency 19/09/2022	
Primary sponsor	Primary sponsor: Country of origin
Dr Sandra Kobaiter Maarrawi	Lebanon
Date of registration in primary registry	Date of registration in national regulatory agency
18/10/2022	19/09/2022
Public title	Acronym
Ergonomics and Mindfulness for preventing musculoskeletal pain and a better quality of life	
Scientific title	Acronym
Effect of ergonomics and mindfulness on musculoskeletal pain and quality of life for office workers: a randomized controlled trial	
Brief summary of the study: English	
With the introduction of computers on a global scale, we find their increasing use, especially in workplaces. Although computer use has improved worker productivity, this change has also led to adverse health impacts including work-related musculoskeletal disorders and consequently a deterioration in the quality of life. Pain is often reported in these disorders and is one of the early signs of their development. Determining its presence in professional life and identifying the factors that cause it is important in order to take the necessary corrective measures and plan preventive actions. Office workers are known to be exposed to major stress and to sit in a static position for a long period of time, which make them at risk of developing potentially chronic pain and quality of life deterioration. This could be prevented by implementing interventions that target the multiple aspects of pain (physical and mental) and improve quality of life. Ergonomic interventions are proven to be effective in fixing bad posture by adapting the office environment, which has a positive impact on musculoskeletal pain. Moreover, Mindfulness interventions are a growing interest since its emergence in 1990. By establishing a new way of thinking, consciousness without judgment of the present experience, it has been proven to reduce stress and	

Brief summary of the study: Arabic

multifactorial interventions (ergonomics and mindfulness) in reducing pain and improving quality of life in office workers.

في ظل الإنتشار العالمي لأجهزة الكمبيوتر، نجد تزايد في إستخدامها وبصورة خاصة في أماكن العمل. من المؤكد ان استخدام الكمبيوتر أدى إلى تحسين إنتاجية العمال ولكن لا بد من الإشارة أن هذا التغيير ينتج أضرار صحية منها الاضطرابات العضلية الهيكلية المرتبطة بالعمل وبالتالي تدهور جودة الحياة. غالبًا الألم في هذه الاضطرابات يعتبر اشارة مبكرة لتطور ها، لذلك من المهم تحديد وجودها في الحياة المهنية وتحديد العوامل المسببة لها من أجل الثلام في هذه الاضطرابات يعتبر اشارة مبكرة لتطور ها، لذلك من المهم تحديد وجودها في الحياة المهنية وتحديد العوامل المسببة لها من أجل الثلام في هذه الاضطرابات يعتبر اشارة مبكرة لتطور ها، لذلك من المهم تحديد وجودها في الحياة المهنية وتحديد العوامل إصابتهم بالام مزمنة وما يؤثر سلبًا على مستوى حياتهم. من الممكن منع هذه الأضرار من خلال تنفيذ تدخلات جسدية وعقائية لأماكن الألم . فقد إصابتهم بالام مزمنة وما يؤثر سلبًا على مستوى حياتهم. من الممكن منع هذه الأضرار من خلال تنفيذ تدخلات جسدية وعائية لأماكن الألم . فق أثبتت التدخلات المريحة فعاليتها في إصلاح المشاكل من خلال تكييف بيئة المكتب، ما يخفف من ألام العضائية لأماكن الألم . فق أثبت التدخلات المريحة فعاليتها في إصلاح المشاكل من خلال تكييف بيئة المكتب، ما يخفف من ألام المعاملي نوعية من الم من خطر إسابتهم من أول العضر المواحة على مستوى حياتهم من الم أثبتت التدخلات المريحة دياتية في إصلاح المشاكل من خلال تكييف بيئة المكتب، ما يخفف من ألام العضلات والعظام. كما يمكنا القرل ان من خطر إلى المعاملي في علم من خطر إلى المريحة جديدة في التفكير. فقد ثبّت أنها تقلل التوتر وتعزز ١٩٩٠ تدخلات اليقظة اثبتت اهتمامًا متزايدًا منذ ظهور ها في عام الواهية. فالهدف من هذه الدراسة هو تقيم تأثير التدخلات متعدة العوامل (بيئة المكتب المولي في تقليل الألم وند ضام المالين في علم الواهين. مكانيم

Health conditions/problem studied: Specify

Musculoskeletal pain - prevention well being of office workers

Interventions: Specify

Name : Ergonomics -Description : workstation adjustments based on anthropometric measures, and follow-up visits, once a week for a duration of 5 weeks.

Name : Mindfulness

-Description : new mindfulness-based program, administrated as group sessions once a week for a duration of 5 weeks. Control : placebo

Key inclusion and exclusion criteria: Inclusion criteria

-Office workers aged between 18 and 64-year-old (legal work age in Lebanon) -Female (because pain perception defers based on sex) -Experiencing non-specific pain related to work -Work for at least 20h / week

Key inclusion and exclusion criteria: Gender

Female

Key inclusion and exclusion criteria: Age minimum

18

Key inclusion and exclusion criteria: Exclusion criteria

-Obesity (IMC > 30 Kg/m2)

-Not having a fixed workstation, sharing a workstation with a co-worker, using a laptop computer, using two monitors -Having undergone surgery in the previous six months

-Pain due to a medical condition, pregnancy or menstruation

-Taking pain medication on a regular basic

Type of study

Interventional

Type of intervention	Type of intervention: Specify type
Preventive measures	N/A
Trial scope	Trial scope: Specify scope
Safety	N/A
Study design: Allocation	Study design: Masking
Randomized controlled trial	Blinded (masking used)
Study design: Control	Study phase
Placebo	N/A
Study design: Purpose	Study design: Specify purpose
Prevention	N/A
Study design: Assignment	Study design: Specify assignment
Parallel	N/A
IMP has market authorization	IMP has market authorization: Specify



Key inclusion and exclusion criteria: Specify gender

Key inclusion and exclusion criteria: Age maximum 64

REPUBLIC OF LEBANON MINISTRY OF PUBLIC HEALTH

Lebanon Clinical Trials Registry

Name of IMP	Year of authorization	Month of authorization
Type of IMP		
Pharmaceutical class NA		
Therapeutic indication prevention of musculoskeletal pain		
Therapeutic benefit better well being, alleviate and prevent musculoskeletal pain		
Study model N/A Study model: Specify model	Study model: Explain model N/A	
N/A		
Time perspective N/A	Time perspective: Explain time N/A	perspective
Time perspective: Specify perspective N/A		
Target follow-up duration	Target follow-up duration: Unit	
Number of groups/cohorts		
Biospecimen retention None retained	Biospecimen description	
Target sample size 80	Actual enrollment target size	
Date of first enrollment: Type Actual	Date of first enrollment: Date 03/10/2022	
Date of study closure: Type Actual	Date of study closure: Date 19/12/2023	





Recruitment status	Recruitment status: Specify
Recruiting	
Date of completion	
03/07/2023	
IPD sharing statement plan	IPD sharing statement description
No	NA
Additional data URL	

NA

Admin comments

Trial status

Approved

Secondary Identifying Numbers

Full name of issuing authority	Secondary identifying number
Saint Joseph University of Beirut (USJ)	LAREN_22-23_Ergo

Sources of Monetary or Material Support

Name

Saint Joseph University of Beirut (USJ)

Secondary Sponsors

No Sponsors





Contac	Contact for Public/Scientific Queries					
Contact type	Contact full name	Address	Country	Telephone	Email	Affiliation
Public	Dr Sandra Kobaiter Maarrawi	USJ - Faculty of Medicine - Laboratory of Research in Neuroscience	Lebanon	009611421 677	sandra.kobaiterm aarrawi@usj.edu. lb	Saint Joseph University of Beirut
Scientific	Nay El Hajj	USJ - Faculty of Medicine - Laboratory of Research in Neuroscience	Lebanon	009617170 6646	nay.hajj@net.usj. edu.lb	Saint Joseph University of Beirut
Scientific	Dr Sandra Kobaiter Maarrawi	USJ - Faculty of Medicine - Laboratory of Research in Neuroscience	Lebanon	009617120 7772	s_kobaiter@hot mail.com	Saint Joseph University of Beirut

Centers/Hospitals Involved in the Study			
Center/Hospital name	Name of principles investigator Principles investigator speciality Ethical approva		Ethical approval
Laboratory of Research in Neuroscience	Dr Sandra Kobaiter Maarrawi	Neuroscience	Approved
Institute of Occupational Therapy (ergonomics)	Dr Carla Matta Abi Zeid	Psychomotricity	Approved

Ethics Review				
Ethics approval obtained	Approval date	Contact name	Contact email	Contact phone
Hotel Dieu de France	25/07/2022	Pr Michel Scheuer sj	cue@usj.edu.lb	009611421229

Countries of Recruitment	
Name	
Lebanon	
Lebanon	

Health Conditions or Problems Studied		
Condition Code Keyword		Keyword
Musculoskeletal pain	Pain, not elsewhere classified (R52)	pain
well being	ell being 2-Propanol (T51.2) quality of life	





REPUBLIC OF LEBANON MINISTRY OF PUBLIC HEALTH Lebanon Clinical Trials Registry

Interventions		
Intervention	Description	Keyword
Mindfulness	new mindfulness- occupational based program, inspired from conventional MBCT and MBSR, administrated as group sessions once a week for a duration of 5 weeks.	Mindfulness
Ergonomics	workstation adjustments based on anthropometric measures, and follow-up visits, once a week for a duration of 5 weeks.	ergonomic

Primary Outcomes

Name	Time Points	Measure
Pain	at baseline, During the 2 weeks following end of treatment, and after 6 months	Visual analog scale
Quality of Life	at baseline, During the 2 weeks following end of treatment, and after 6 months	The 12-Item Short Form Health Survey (SF-12)

Key Secondary Outcomes

No Outcomes





Trial Results Summary results Study results globally Date of posting of results summaries Date of posting of results summaries Date of first journal publication of results Results URL link Baseline characteristics Participant flow Adverse events Outcome measures URL to protocol files