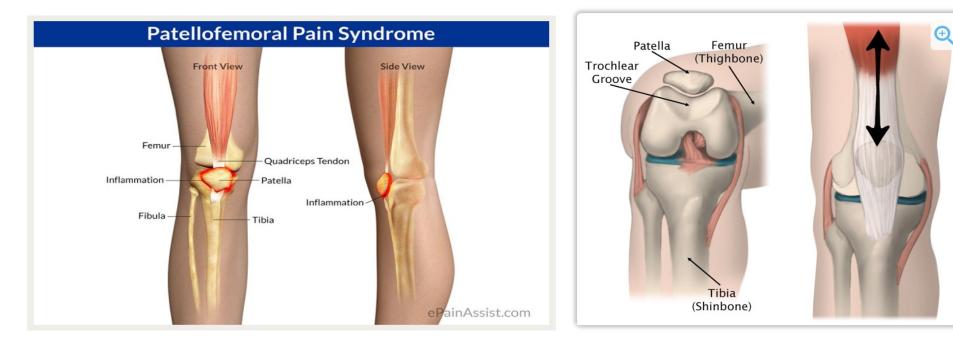
UNIVERSITY of WISCONSIN	Exploring Ken Ildefonso
<u>I</u> N	NTRODUCTIO
 Patellofemoral pain (PFP) is a specific type of paloads the patellofemoral joint during weight bether Thus far, existing psychosocial PFP literature (for of selected psychosocial constructs in PFP risk, inconsistent findings. More specifically, much of the research has adopt 1. identify and report on the existence of specipain catastrophizing, kinesiophobia, anxiety, James et al., 2021; Maclachlan et al., 2018; F compare and/or investigate potential changed physical PFP outcomes such as perceived pair al., 2019; Maclachlan et al., 2019). Only a few intervention studies have investigated A handful of research studies (e.g., Robertson et qualitative design, with results suggesting that the those explored quantitatively. The literature review also revealed inconsistenci catastrophizing, kinesiophobia, anxiety, depressite the literature. For example: Pain catastrophizing has been defined as a cogresponse, and even a behavior (de Oliveira Sill Priore et al., 2019; Selhorst et al., 2021). Kinesiophobia has been defined and theorized al., 2022; Miller et al., 1991; Selhorst, Hoehn, that classifies it as a negative emotional state & Watson, 1991). Without clear definitions and construct clarity, it theoretically based research designs, grounded i 	earing on a flexed knee such as ru or a thorough review, see Ildefon prognosis and overall experience oted quantitative research design fic psychosocial constructs with depression, pain self-efficacy, an Pazzinatto et al., 2022). es, differences, and relationships in and/or function (e.g., Bagheri d the effects of patient education al., 2017; Smith, Moffatt, et al., here are more psychosocial const es in how the different psychoso fon, pain self-efficacy, and coping gnitive coping strategy, a cognitive va et al., 2018; Doménech et al., d in PFP research as a cognitive a et al., 2020; Vlaeyen et al., 1995 that develops in response to strate is not surprising that existing ps in psychological theory.
	PURPOSE
To explore the perceived psychosocial experience	ces of recreational runners with
	METHODS
 Ten recreational runners with PFP (n = 4 females Straussian Grounded Theory (Corbin & Strauss, 2 perceived psychosocial experiences of recreation) 	2015) was used to develop a the

perceived psychosocial experiences of recreational runners with PFP. A Comparative Method (Pennings et al., 2006) was used to compare the proposed theoretical framework to five existing models typically used to explain psychological responses to sport (e.g., Brewer et al., 2002; Richardson et al., 2008; Ryan & Deci, 2017; Wadey et al., 2018; Wiese-Bjornstal et al., 1998)



the Perceived Psychosocial Experiences of Recreational Runners with **Patellofemoral Pain: A Grounded Theory Approach**

Jr, PhD, LAT, ATC and Monna Arvinen-Barrow, PhD, CPsychol AFBPsS, CMPC, FAASP, UPV sert. University of Wisconsin-Milwaukee Laboratory for Sport Psychology & Performance Excellence

ravated by at least one physical activity that running (Crossley et al., 2016) nso, 2023) has focused on understanding the role ce, and it is apparent that it is limited with

gns, with one of two research foci: PFP patients, namely fear-avoidance beliefs, and coping strategies (e.g., Hott et al., 2022;

os between specific psychosocial constructs and i et al., 2021; Doménech et al., 2014; Glaviano et

on on PFP prognosis

2018; Smith et al., 2019) have also adopted a structs that influence the PFP experience than

ocial constructs (i.e., fear-avoidance beliefs, pain g strategies) are defined and operationalized in

ive appraisal related to pain, an emotional ., 2014; Piva, Fitzgerald, Irrgang, et al., 2009;

appraisal (de Oliveira Silva et al., 2018; Hott et 5), which is inconsistent with its core definition ressful situations (for Tripartite model, see Clark

sychosocial PFP research has also lacked

nding how psychosocial constructs influence the

PFP.

emi-structured interviews.

eoretical framework that conceptualizes the

(Left) The patella normally rests in a small groove at the end of the femur called the trochlear groove. (Right) As you bend and straighten your knee, the patella slides up and down within the groove.

The proposed theoretical framework suggests recreational runners are individuals Who have prominent personal characteristics that influence their perceived psychosocial experiences of recreational running with PFP. Dominant psychosocial responses are What recreational runners experience when running with PFP. Those experiences influence and are influenced by How they address the perceived cause of their psychosocial responses and the reasons Why they respond the ways in which they do. All of which, influence and are influenced by Psychosocial Outcomes.

Who	Refers to the prominent sample, two psychosocia necessary" attitude and
What	Refers to participants pe found. These include (a) genuine concern, nervou perceived pain refers to and high intensities duri
How	Refers to the means thro the sample, three pertin found. These include (a) footwear, insoles, orthot teammates, family, and/ self-talk.
Why	Refers to the reasons wh perceived cause (i.e., Ho externally focused aspira were found. The social in
Psychosocial Outcomes	Refers to the prominent psychosocial outcomes w and <i>Why</i> they responded relatedness (i.e., the leve accommodations necess

- * By design, the conceptual framework is the first attempt to create a foundational framework for understanding the psychosocial PFP experience of recreational runners.
- Grounded in empirical evidence, the data driven and conceptually defined theoretical categories and subcategories provide a foundation for future psychosocial PFP research.
- * The next steps in this line of research would be to design early-stage exploratory research, followed by applied and/experimental research before any evidence-based clinical recommendations can be made.
- * The applicability of the proposed theoretical framework in conceptualizing the perceived psychosocial experiences of other PFP populations requires exploration.
- The Who, What, How, Why, and Psychosocial Outcomes categories of the proposed theoretical framework may need to adapt and/or extend based on future findings.

This research provides fundamental knowledge in the developing, critiquing, and refining, of theories and methodologies that inform research, development, and subsequently, future applied practice suggestions.

RESULTS

Theoretical Categories

personal characteristics of the participants who provided their psychosocial experiences of recreational running with PFP. In the al factors (subcategories) as pertinent to the psychosocial PFP experience were found. These include "run by any means having an emotional attachment to running, characterized by accomplishment, happiness, and euphoria

erceived psychosocial responses to PFP. In the sample, three pertinent cognitive-affective responses (subcategories) to PFP were uncertainty (i.e., unacquaintedness or unknowingness) as to whether training influenced pain or vice versa, (b) worry (i.e., usness, and/or anxiousness), often associated with frustration with continuing to run, and (c) perceived pain. The subcategory of pain-related perceptions participants described having when continuing to run with PFP. Perceived pain fluctuated between low ng training and activities of daily living.

bugh which participants addressed what they perceived to be the cause of their dominant psychosocial responses (i.e., What). In ent behavioral responses (subcategories) participants used to address their dominant psychosocial responses to PFP were training responses (i.e., training modifications), (b) physical responses (i.e., tapping, icing, over-the-counter anti-inflammatories, tics, or knee sleeves), and (c) psychological responses. The psychological responses included seeking help from friends, 'or medical professionals, documenting training pace, duration, distance, weather, and/or how runs felt, and engaging in positive

ny participants responded to their dominant psychosocial responses (i.e., What) with the means they did to address the ow). In the sample, four pertinent factors (subcategories). These include (a) previous experiences, (b) extrinsic motivation (i.e., ations of achievement), (c) intrinsic motivation (i.e., internally focused aspirations of achievement), and (d) social influences ofluences included friends, teammates, family, coaches, medical professionals, run-store staff, and internet/print media.

psychosocial sequelae described by participants as integral to their experiences of recreational running with PFP. The robust vere secondary results that arose from, and influenced Who the participants are, What they experienced, How they responded, d the ways in which they did to PFP. In the sample, two pertinent psychosocial outcomes (subcategories). These include (a) el of connectedness participants described having with others), and (b) acceptance (i.e., willingness to make the training sary to minimize the discomfort of recreational running with PFP). Were found.

CONCLUSIONS

Comparatively, the proposed theoretical framework has an all-encompassing presence that uses simple language to concisely conceptualize the perceived psychosocial experiences of recreational runners with PFP.

PRACTICAL IMPLICATIONS

