

Comparing different diagnostic tools to identify joint hypermobility syndrome in dancers

Submission date 11/06/2018	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered <input checked="" type="checkbox"/> Protocol
Registration date 23/06/2018	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
Last Edited 14/07/2023	Condition category Musculoskeletal Diseases	<input type="checkbox"/> Individual participant data

Plain English summary of protocol

Background and study aims

Hypermobility is not well understood. The aim of this study was to identify how common joint hypermobility syndrome (JHS) is within jazz dancers, to test different ways of identifying JHS and to assess potential risk factors for joint hypermobility in jazz dancers.

Who can participate?

Jazz dancers aged 18-25 years from the Polish Dance Theater

What does the study involve?

The participants were assessed for JHS symptoms using the following diagnostic tools: a structured interview, Beighton score (a physical test of joint flexibility), Grahame & Hakim questionnaire, and Sachse's criteria, in the modified version proposed by Kapandji.

What are the possible benefits and risks of participating?

The benefit of the study for participants is the diagnosis or exclusion of JHS. This study demonstrated a significant prevalence of joint hypermobility in jazz dancers and corroborates the findings of other researchers, indicating the need for unified diagnostic criteria for JHS in dancers. Participants do not bear any risk by taking part in the study.

Where is the study run from?

Kielce Dance Theater.

When is the study starting and how long is it expected to run for?

January 2013 to January 2014.

Who is funding the study?

The study was funded by the principal investigator.

Who is the main contact?

Marlena Skwiot, marlena.skwiot@gmail.com

Contact information

Type(s)

Public

Contact name

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Additional identifiers**Protocol serial number**

01/2018

Study information**Scientific Title**

Comparing prevalence of joint hypermobility syndrome in jazz dancers using a structured interview, Beighton score, Grahame & Hakim questionnaire, and Kapandji-modified Sachse's criteria

Study objectives

To assess the prevalence of joint hypermobility syndrome (JHS) amongst a cohort of jazz dancers, by analyzing its presence in accordance with a number of diagnostic criteria, and to verify potential risk factors for joint hypermobility in jazz dancers.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Bioethics Commission of the Faculty of Health Sciences of the University of Jan Kochanowski in Kielce, 11/03/2013, 01/2013

Study design

Cross-sectional cohort study

Primary study design

Observational

Study type(s)

Diagnostic

Health condition(s) or problem(s) studied

Joint hypermobility syndrome (JHS)

Interventions

Data on the participants, including dance history and current dance performance, and the JHS symptoms they experienced was collected through a structured interview. Specific questions were asked about injuries, symptoms typical for the hypermobility syndrome such as chronic spinal pain, temporomandibular joint disorders and out-of-joint symptoms such as possible skin lesions, myopia, varicose veins. Interviews were carried out by the same physiotherapist. All subjects underwent anthropometric assessment with measures taken of standing height, using a stadiometer, and weight, using a standard set of scales. The presence of joint hypermobility syndrome was evaluated using the following diagnostic tools: Beighton score, Grahame & Hakim questionnaire, and Sachse's criteria, in the version modified by Kapandji.

Intervention Type

Not Specified

Primary outcome(s)

Prevalence of JHS

Key secondary outcome(s))

N/A

Completion date

10/01/2014

Eligibility

Key inclusion criteria

1. Aged between 18 and 25 years
2. At least 3 years of dancing experience
3. Jazz dance as the dominant dance style

Participant type(s)

Other

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 years

Sex

All

Total final enrolment

77

Key exclusion criteria

Injuries preventing dancing

Date of first enrolment

12/02/2013

Date of final enrolment

12/03/2013

Locations

Countries of recruitment

Poland

Study participating centre

Kielce Dance Theatre

Moniuszki Place 2B

Kielce

Poland

25-334

Sponsor information

Organisation

Marlena Skwiot

Funder(s)

Funder type

University/education

Funder Name

Uniwersytet Jana Kochanowskiego w Kielcach

Alternative Name(s)

Jan Kochanowski University, Jan Kochanowski University in Kielce

Funding Body Type

Private sector organisation

Funding Body Subtype

Universities (academic only)

Location

Results and Publications

Individual participant data (IPD) sharing plan

The datasets generated and/or analysed during the current study during this study will be included in the subsequent results publication.

IPD sharing plan summary

Data sharing statement to be made available at a later date

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	22/02/2019	08/11/2019	Yes	No
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes
Protocol (other)			14/07/2023	No	No