

## 2018 ANNUAL REPORT



### SCIENTIFIC TEAMS

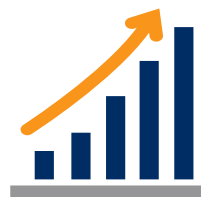
- SPORT SCIENCE
- UPPER EXTREMITY
- LOWER EXTREMITY
- SPINE

**52**

Projects registered by Rehasport Clinic Scientific Council

**37**

On-going

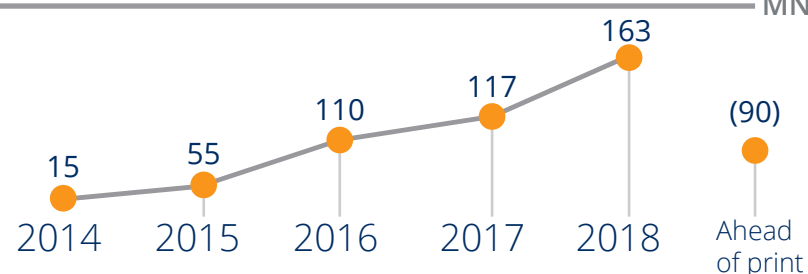


Impact factor and Ministry for Science and Higher Education in Poland points for scientific articles in following years:

total: **39,708** IF\*



total: **550** MNISW\*



\*According to the publication date

### PhD DEGREE

**12** Researchers for PhD degree in Rehasport Clinic



**3** after successful defense of doctoral thesis



**9** on-going

# IRONS

Issue of Rehabilitation, Orthopaedics, Neurophysiology and Sport Promotion

Scientific journal published by Rehasport Clinic Foundation and Polish Academy of Sciences Issues of Rehabilitation, Orthopaedics, Neurophysiology and Sport Promotion - IRONS.

#### INDEXED IN:

- Ministry of Science and Higher Education - 6 points
- Index Copernicus - ICV 98,6
- Polish Medical Bibliography

[www.ironsjournal.org](http://www.ironsjournal.org)

**121** ARTICLES

**24** VOLUMES

**7** SUPPLEMENTS

**30** CITATION

### SELECTED SCIENTIFIC PROJECTS



#### PRP

PRP with leukocytes will give superior results to PRP or placebo effect of saline; that will also be accompanied by improved morphology shown on high resolution ultrasound scan or MRI.

**76%**

already involved



**38 / 50**



#### MENISCUS WRAPPING

Assess effectiveness of surgical procedure in 2 and 5 year follow up in all aspects: objective parameters obtained from biomechanical assessments and MRI scans.

1 test  
**surgery**  
test after:  
- 2, 6 weeks;  
- 3, 6, 12, 24 and 60 months

**25** women  
**25** men



#### LIPOGEMS

The aim of the study is a prospective evaluation of the results of degenerative changes treatment in the knee joints using cells obtained from autologous adipose tissue. It is assumed that the use of mesenchymal fat cells will improve the quality of patients life by improving the function of the joint and reducing pain.

**50**

study population



study in progress



Fivefold evaluation study  
on the day of surgery  
after 1, 3, 6, 12 months



#### TENNIS PLAYER'S SHOULDER

The main aim is to analyze the kinematics of the shoulder of tennis players using modern Inertial Measurement Unit (IMU) sensors, while performing three basic movement patterns: service and forehand and backhand strikes, including the analysis of the impact of individual clinical factors on shoulder kinematics. This project is a continuation of the research named "NCN Shoulder" and thus will widen knowledge about Shoulder Biomechanical Profile, for another sport group - tennis players.

**29**

study population



study in progress



location of IMU sensors

