

ROZDÍLY MEZI ADOLESCENTNÍMI A DOSPĚLÝMI SPORTOVCI

RETROSPEKTIVNÍ ANALÝZA
DAT Z CENTRA SPORTOVNÍ
KARDIOLOGIE



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v Evropě**

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A DOSPĚLÝMI
SPORTOVCI**

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**„Sports cardiology“
v Evropě**

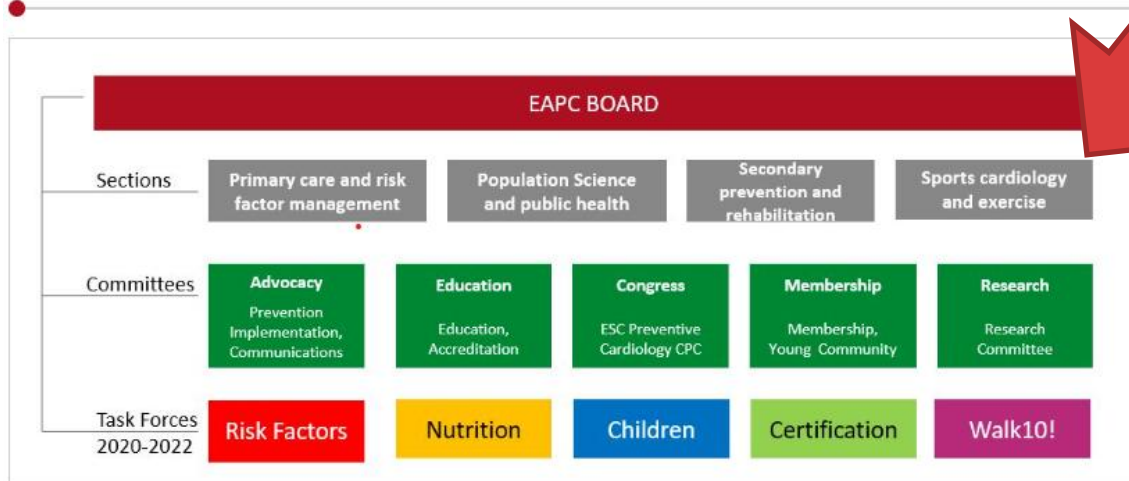
„Sports cardiology“ v Evropě

European Association of Preventive Cardiology

Our mission is to promote excellence in research, practice, education and policy in cardiovascular health, primary and secondary prevention.



Structure



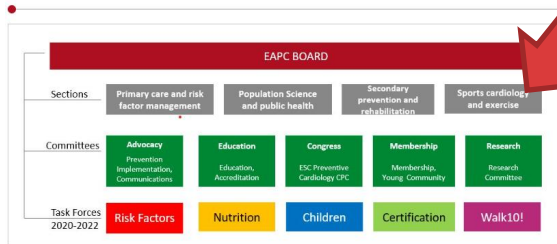
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Section Nucleus 2022-2024

Chair: Flavio D'Ascenzi (IT)
Chair-Elect: Silvia Castelletti (IT)
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- Mark Abela (MT)
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- Aneil Malhotra (UK)
- Josef Niebauer (AT)
- David Niederseer (CH)
- Maria Sanz de la Garza (ES)
- Alessandro Zorzi (IT)

Sports Cardiology		
Domains	Data to collect	Answer possibilities
Required facilities (adequate and when necessary updated)	Please confirm if: Your centre has an investigation room Your centre has electronic patient files Your centre has a 12-lead ECG device Your centre has a transthoracic echocardiogram Your centre has exercise testing tools (e.g. exercise treadmill test or cycleergometer) Your centre has equipment for assessment of arrhythmias: ambulatory ECG Holter 24-h monitoring Your centre has fitness assessments tools (e.g. cardiopulmonary exercise testing tool) Your centre has the following specialized assessment tools: cardiac magnetic resonance, CT scan, EP study, genetic counselling. If not available at the centre, there is an established referral route/access to the centres that can provide such services Your centre has a list of medical equipment (e.g. devices) in use including details on maintenance (if necessary) Your centre is accessible to disabled athletes	yes/no, if no motivation needed yes/no, if no motivation needed yes/no, if no motivation needed yes/no, if no motivation needed yes/no, if no motivation needed yes/no, if no motivation needed yes/no, if no motivation needed yes/no, if no motivation needed yes/no, if no motivation needed yes/no, if no motivation needed
Staff requirements (trained and still competent)	Confirm that your centre has a cardiologist with an interest in sports cardiology as evident by one of the following: 1. Working in the field of Sports Cardiology for ≥3 years, 2. Peer recognition at National/International level, 3. Contribution to research in the field Confirm if your centre has a multidisciplinary team consisting of (multiple choice possible)	yes/no, if no motivation needed Tick box list Cardiologist, Cardiac geneticist, Physiologists, Physiotherapist, Nurse, Psychologist, Dietician, general practitioner, Pharmacist, Exercise physiologist, Occupational therapist, genetic counsellors, consultant professionals (i.e. internist, neurologist, diabetologist, cardiac surgeon), social worker
	Confirm which professions are not part of your team but are available on referral (multiple choice possible)	Tick box list Cardiologist, Cardiac geneticist, Physiologists, Physiotherapist, Nurse, Psychologist, Dietician, general practitioner, Pharmacist, Exercise physiologist, Occupational therapist, genetic counsellors, consultant professionals (i.e. internist, neurologist, diabetologist, cardiac surgeon), social worker
	Please confirm that all professionals have a written employment agreement (irrespective of the basis, e.g. permanent, visitine, consultancy)	yes/no, if no motivation needed

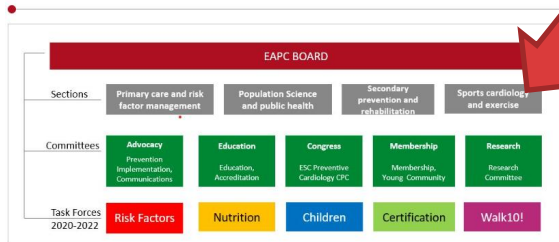
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4 akreditovaná centra – Německo, Itálie, Velká Británie, Itálie



**CENTRUM SPORTOVNÍ
KARDIOLOGIE v Nemocnici
Agel Trinec Podlesí**



REGISTR CSK

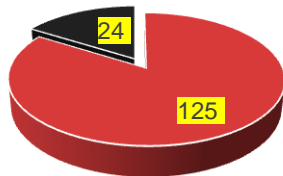
Nemocnice Agel Třinec Podlesí

REGISTR CSK NEMOCNICE AGEL TŘINEC PODLESÍ

Registruje identické položky jako všechna centra v ČR v rámci společné aktivity



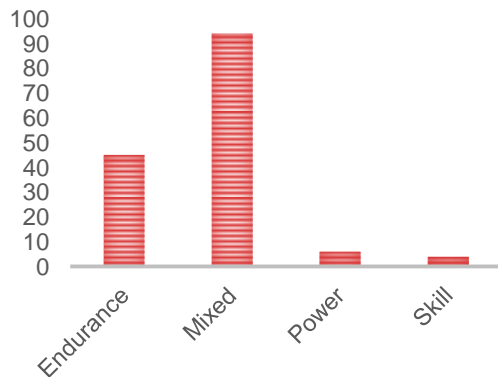
149 SPORTOVců



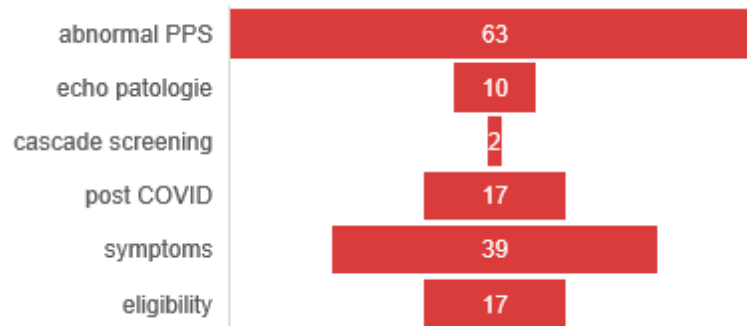
■ male ■ female



DOMINUJÍ SPORTY SMÍŠENÉ



SPEKTRUM INDIKACÍ





ROZDÍLY MEZI ADOLESCENTNÍMI A DOSPĚLÝMI SPORTOVCI

**RETROSPEKTIVNÍ ANALÝZA DAT Z CENTRA SPORTOVNÍ KARDIOLOGIE
Nemocnice Agel Třinec Podlesí**

ADOLESCENTNÍ vs DOSPĚLÍ SPORTOVEC v CSK

CARDIAC
ANATOMY
AND
PHYSIOLOGY

CONGENITAL
HEART
CONDITIONS

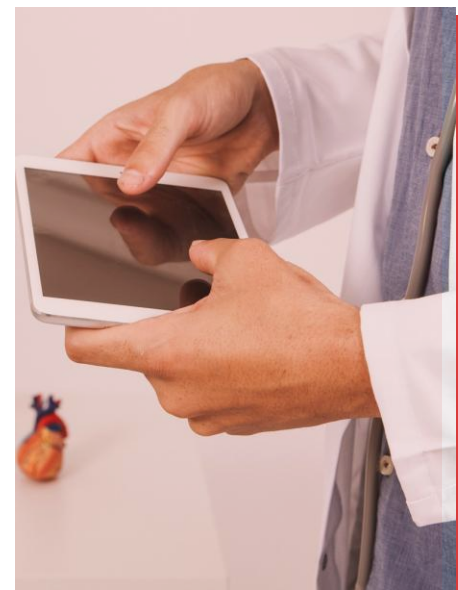
RESPONSE
TO TRAINING
AND
RECOVERY

RISK
FACTORS
AND
PREVENTION

EXERCISE
CAPACITY

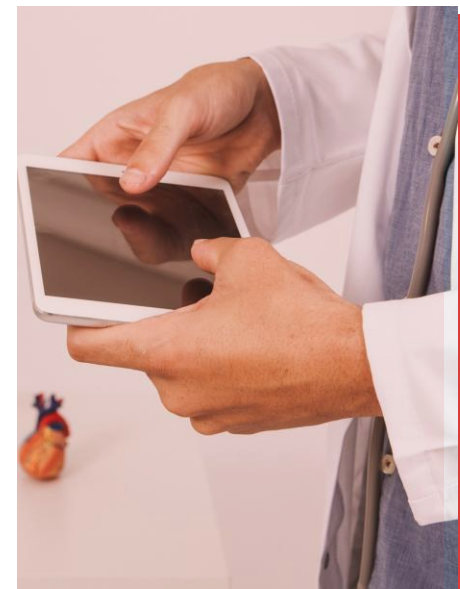
Naše rozdíly I

		15-18		more than 18		p=
Weekly training volume		8	4	10	5	0.007
Years of training		9	3	15	9	<0,001
Gender	male	30	71.4%	95	88.8%	0.01
	female	12	28.6%	12	11.2%	
	Total	42		107		
Who indicate CSK evaluation	self	10	23.8%	51	47.7%	0.03
	Internist	0	0.0%	1	0.9%	
	other spec.	0	0.0%	1	0.9%	
	Cardiologist	11	26.2%	13	12.1%	
	GP	1	2.4%	8	7.5%	
	Sport medicine	20	47.6%	33	30.8%	
Reason for CSK evaluation	abnormal PPS	27	65.9%	36	33.6%	0.008
	echo	3	7.3%	7	6.5%	
	patologie cascade	1	2.4%	1	0.9%	
	screening post COVID	1	2.4%	16	15.0%	
	symptoms	6	14.6%	33	30.8%	
	eligibility	3	7.3%	14	13.1%	



Naše rozdíly II

		15-18		more than 18		p=
Regular medication		7	16.7%	34	32.4%	0.055
Regular supplements		11	26.2%	49	45.8%	0.028
CT coronarography		9	21.4%	11	10.3%	0.072
heart MRI		17	40.5%	23	21.5%	0.018
Final diagnose set	final dg. set	30	71.4%	80	74.8%	
	no final dg. set	7	16.7%	18	16.8%	0.803
	suspect	5	11.9%	9	8.4%	
Sports eligibility	not finalised yet	8	19.0%	26	24.3%	
	not eligible	1	2.4%	4	3.7%	0.097
	eligible	14	33.3%	51	47.7%	
	conditional eligible	19	45.2%	26	24.3%	





MOTIVACE

SPORTOVNÍ KARDIOLOGIE

- **POMÁHÁ ADOLESCENTNÍM I
DOSPĚLÝM BEZ ROZDÍLU**
- **SI HLEDÁ DALŠÍ SRDCAŘE**
- **NENÍ ČAS SEDĚT SE
ZALOŽENÝMA RUKAMA**

