

1 STRUCTURE OF THE TRAINING PROGRAM DURING THE COVID-19

2 CONFINEMENT IN SPANISH PROFESSIONAL FOOTBALL, A COACH SURVEY

3 **Running heading:** TRAINING PROGRAM DURING CONFINEMENT IN SOCCER

4

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24 **Abstract**

25 COVID-19 has produced an exceptional situation for sport due to confinement and restrictions.  
26 The usual training programs and competition have been interrupted in world football, requiring  
27 an adaptation of training to the new situation. **Objectives:** To describe and analyze the training  
28 programs carried out during the COVID-19 forced confinement in men´s professional football  
29 in Spain. **Methods:** Observational Study based on a telematic ad-hoc questionnaire developed  
30 to meet the objective of the study. The sample consisted of thirty-six coaches representing  
31 thirty-six professional men's soccer teams in the Spanish first and second division. **Results:**  
32 Training programs developed during confinement prioritized conditioning and functional  
33 emphasis, in addition to general and non-specific resistance training, due to contextual  
34 limitations. **Conclusion:** The structure of training during the COVID-19 confinement was  
35 limited by contextual circumstances. This study has made possible to record the training and  
36 strategies used in professional football during a confinement due to a worldwide state of alarm,  
37 with the aim of resuming competitive activity in the best possible conditions.

38 **Key words:** coronavirus, SARS-CoV-2, pandemic, training plan, football

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## 47 **Introduction**

48 On January 30, 2020, the World Health Organization (WHO) declared the global public health  
49 emergency due to the situation caused by coronavirus disease, caused by the SARS-CoV-2  
50 virus (COVID-19) [1]. The unprecedented pandemic forced governments to take urgent  
51 measures to delay and mitigate the peak of infection, as a consequence of the rapid spread of  
52 the virus [2]. These decisions significantly affected everyone. In Spain, on March 14, a state of  
53 alarm was declared, which forced population into social confinement, except for essential or  
54 priority sectors and activities [3].

55 **The pandemic is responsible for more than 2.5 million deaths in the world, forcing a radical**  
56 **change in the habits of the society, especially during the confinement period. Social distancing,**  
57 **strict preventive measures and self-isolation have generated a great social impact [4]. The**  
58 **situation has been a serious problem for society, favouring a sedentary lifestyle, and has made**  
59 **it difficult to practice regular sports, even in high-performance athletes [4]. Physical exercise**  
60 **has gained great importance during the period of forced confinement, both in elite athletes and**  
61 **in the general population, as an adequate and preventive non-pharmacological treatment with**  
62 **an impact on physical and mental health, even in COVID-19 patients [4-6].**

63 Health protection has led to the postponement or even the suspension of sports competitions  
64 and events, which has contributed to the modification of athletes' daily life and daily routines  
65 [7]. Spanish football has acted in accordance with the guidelines established by the health  
66 authorities, as other countries have already done [2]. The restrictions established by the  
67 confinement have forced the teams to adapt their training programs, taking into account the  
68 information provided by the expert opinions [2,8,9]. These training programs have had to be  
69 reduced to footballers' individual training sessions, due to isolation measures, simplifying the  
70 intervention of the technical staff to an excess of non-specificity tasks, because of the not

71 possibility of reproducing specific contextual situations [10,11]. There was great uncertainty  
72 regarding the resumption of activity, since the idiosyncrasies of training and competition in  
73 soccer make it difficult to comply with certain basic preventive regulations, that is to say,  
74 frequent hand hygiene, physical distance and wearing masks [2]. In addition, there was some  
75 ignorance of the sequelae of contagion and medication of COVID-19, in the medium and long  
76 term, observing indicators of possible risk and anatomical and physiological problems in vital  
77 organs, such as heart, lungs, kidneys, liver, blood quality and immune system [1,12], these  
78 which could can have serious consequences for professional soccer players [2].

79 The resumption of training and the return to competition must be carried out in the best  
80 conditions, guaranteeing maximum safety and control for the players [2,13]. Relevant  
81 institutions and experts study how to carry out this process, either through the normal  
82 resumption of normal activity or in an adapted way, in order to minimise the negative effects  
83 on the performance, injury risks and health of the football players [14]. The optimization of  
84 training during confinement is presented as an essential aspect to maintain general conditional  
85 capacities and thus facilitate a resumption of the football specific activities after confinement,  
86 with the aim of reducing injury risk in a shortened preparatory period [15]. A number of  
87 recommendations have been made by experts, highlighting the specific training adapted to the  
88 context and personal situation of the professional athlete with a heterogeneous intervention and  
89 adequate participation of the coaches owing to the situation caused by COVID-19 that reduces  
90 the effectiveness of general recommendations related to untraining in other circumstances [16];  
91 however, there is a knowledge deficit of the data on which to make decisions to address the  
92 training processes in this situation. Therefore, the main objective of this study was to describe  
93 and analyse the training programs designed for Spanish professional soccer players during  
94 COVID-19 confinement.

## 95 **Materials and methods**

### 96 **Participants**

97 The sample consisted of thirty-six coaches, **out of a total of 44 coaches (85.7%)**, representing  
98 thirty-six professional men's soccer teams in Spain, 16 first- league coaches and 20 second-  
99 league coaches, with an average age of 37.00 ( $\pm 7.60$ ) and 10.40 ( $\pm 6.20$ ) years of experience.  
100 The sample size was adequate and representative of the study group. All the first and second-  
101 league football Spanish clubs were invited to participate. The response rate was greater than  
102 **80% (80% of first league teams and 91% of the second league teams completed the**  
103 **questionnaire)**. Telephone contact was established with the technical managers of the teams.  
104 They all received a detailed explanation of the study and were given freedom to withdraw their  
105 information and data any time. Due to the circumstances of the alarm state, the questionnaire  
106 was created to be answered electronically within 20 days by a member of the technical staff.  
107 All participants declared informed consent. The research has complied with all the national  
108 regulations and has followed the tenets of the Declaration of Helsinki.

### 109 **Procedures**

110 This is an observational study carried out between the twentieth to fortieth days (April 6-26,  
111 2020) of the alarm state caused by COVID-19 pandemic in Spain. All variables were recorded  
112 through an anonymous ad-hoc telematic questionnaire designed in Spanish language by a group  
113 of experts (available as an online PDF attachment), consisting of 20 closed questions and 1  
114 open question divided into two sections (personal and descriptive data; structure and contents  
115 of the training) related to the object of study. The questions were posed with Likert scales, 0-  
116 10 or 0-5 points, multiple options, yes/no questions and questions about the hours of training  
117 dedicated to the different contents on a 0-8 scale or more training hours/week, ranging from 0.5  
118 to 1 hour [17]. A method similar to that used by other descriptive studies with similar

119 characteristics was used [18,19]. The questions were designed and evaluated by an expert  
120 committee formed by two doctors of Sports Science and three professional physical trainers.  
121 The questionnaire was previously tested for this study by 10 experts, **who completed an**  
122 **evaluation form**, requiring no changes after this process. In order to send back the telematic  
123 questionnaire, it had to be completely filled out, so all the questionnaires received were  
124 completed correctly.

## 125 **Statistical analyses**

126 Statistical analysis was performed with the IBM SPSS Statistics program (SPSS IBM, Chicago,  
127 IL, USA), version 26.0. A descriptive analysis of the variables that were not analyzed  
128 inferentially was carried out. The analysis of the covariance showed neither significant  
129 differences nor association between the first and second league; therefore, the statistical  
130 analysis was carried out considering these two categories with a single group. The  
131 Kolmogorov–Smirnov, Lilliefors and Levene tests were used to determine normal distribution  
132 and homogeneity of the data. The variables studied did not follow normality. Differences were  
133 studied using the Kruskal-Wallis test and, where appropriate, post hoc comparisons were made  
134 with the U Mann-Whitney test. Effect sizes (*d*) were calculated to assess the practical  
135 significance of the differences and were interpreted as low (0.0–0.2), small (0.2–0.6), moderate  
136 (0.6–1.2), large (1.2–2.0) and very large (>2.0) [20]. Significance was accepted at a value of  $p$   
137 <.05.

## 138 **Results**

### 139 **Training volume before and during confinement**

140 Table 1 shows the training volume of teams before and during confinement. **These results show**  
141 **the differences in relation to the volume and distribution (sessions and hours per week) of**  
142 **training, before and during the confinement period.**

143 **Frequency of contact with footballers**

144 69.4% of the coaches had daily contact with the players, 8.3% four or five times a week, 16.7%  
145 two or three times a week, 2.8% contacted players once a week, and 2.8% never contacted the  
146 players.

147 **Organization of the training program during confinement**

148 80.6% of the coaches organized the training program individually, 44.4% in groups and 77.8%  
149 collectively.

150 **Elements to program and personalise the training program, quantification and methods  
151 used to monitor training control during confinement**

152 Table 2 shows how the coaches organized the training program in relation to the content based  
153 on the objectives and available resources. **It shows the main resources used by Spanish soccer  
154 teams to schedule training during confinement.** Table 3 shows how the coaches quantified and  
155 monitored controlled the training in footballers during confinement.

156 **Degree of the importance of the contents in of the training program during confinement  
157 according to the coaches' opinion**

158 Figure 1 shows the degree of the importance given to of the contents of the training program  
159 during the confinement stage by coaches on a Likert scale from 0 to 10 points (0=not important,  
160 10=very important).

161 **Training volume of basic physical capacities and other alternative care**

162 Table 3 shows the number of hours of training related to basic physical capacities and other  
163 alternative care included in the training programs designed by coaches during the period of  
164 confinement.

165 **Volume of technical-tactical training and other activities**

166 Coaches used an average 0.5 hours ( $\pm 1.1$ ) for adapted technical-tactical training, 0.7 hours  
167 ( $\pm 1.2$ ) for training with audiovisual material, 0.8 hours ( $\pm 1.3$ ) for psychological training, 0.9

168 hours ( $\pm 1.3$ ) for dynamics and group challenges, and 0.8 hours ( $\pm 1.3$ ) for alternative and  
169 directed activities.

### 170 **Degree of involvement of each area of the coaching staff in the programming and** 171 **monitoring of the training program during confinement**

172 Figure 2 shows the degree of involvement of each area of the coaching team in the program and  
173 in the monitoring of training during the confinement stage, on a Likert scale from 0 to 5 points  
174 (0=no participation, 5=maximum participation).

## 175 **Discussion**

176 The objective of this study was to describe the training programs structured by professional  
177 soccer coaching staff during confinement due to COVID-19. **The findings indicate that**  
178 **maintaining levels of strength and resistance through individualized programs were the main**  
179 **objectives in the programs studied. In addition, similar training volumes were maintained at**  
180 **pre-confinement, although their specificity decreased significantly.** To date, no scientific  
181 evidence or reference to the training scheduled by professional soccer coaches during the alarm  
182 state are known.

### 183 **Organization and training volume**

184 For coaches, training prescription during the confinement phase was a key aspect to avoid the  
185 negative consequences of detraining. This training prescription was quite complicated since  
186 confinement occurred unexpectedly; when confinement was over, the competition restarted  
187 with little time to carried out a good specific physical preparation [21-23].

188 Normally, the physical trainer, together with the coach and the rest of the coaching staff,  
189 structures the training contents in the planning of the competitive week in an optimal way [24].

190 The professionals with the greatest participation in the development of the training programs  
191 were the physical trainers (4.44/5) and rehab fitness coach (3.81/5), becoming the main



192 responsible people for the training developed during the study period having even more  
193 relevance than the Head Coach probably because of the not specific kind of training to be  
194 developed.

195 According to the results of this study, it was observed that the number of training sessions  
196 scheduled by the coaching staff during confinement was greater than before the situation caused  
197 by COVID-19 (6.4 vs. 5.5 weekly sessions). However, the average duration of sessions was  
198 slightly reduced during isolation (1.39 h vs. 2.09 h). Several studies have shown changes in the  
199 body composition suffered by professional soccer players after the holiday period (off-season)  
200 [22,23]. These findings could explain the need to increase caloric expenditure during this period  
201 by increasing the number of weekly training sessions, taking into account that spending more  
202 time sitting, lying down or lying down at home will reduce caloric expenditure [25].

### 203 **Training methodology and contents**

204 Variables of intensity and specificity are considered key aspects to provide optimal stimuli with  
205 which to maintain the cardiorespiratory, muscular, metabolic and hormonal adaptations  
206 previously achieved by training [26,27]. However, the restrictive measures addressed  
207 introduced by the government during this period have contributed significantly to the affected  
208 of athletes' daily active habits [25]. According to the principle of the training specificity allows  
209 that the adaptations generated in the athletes should be also specific to the speed, the direction  
210 of the force vector, the contraction type and the intramuscular and intermuscular coordination  
211 that will later be reproduced in competition [28]. Neuromuscular changes, alterations in tissue  
212 properties and mechanical maladaptations to the effort demands of the sport itself appear after  
213 the total or substantial reduction of this type of stimuli [27,29]. The importance given to the  
214 technical-tactical (2.83 / 10) and psychological (4.58 / 10) aspects in the training schedule

215 during confinement was low, which could be explained by the impossibility of carrying out  
216 specific training in situations close to replicating competition due to the isolation period [30].

217 The results showed that the professional soccer coaches programmed an average of 6.5 hours  
218 per week for endurance training, with intermittent training (2.0 h / week) and high-intensity  
219 force resistance circuits (1.7 h / week) being most common used content. Studies have shown  
220 that high intensity training improves the physical condition levels of soccer players, inducing  
221 more efficient adaptations in skeletal muscle compared to moderate intensity training [31-33]  
222 and improving the effects on the body composition of athletes [22,23,31]. Joo (2018)  
223 demonstrated that high intensity interval training carried out 3 times a week during the off-  
224 season period maintained the endurance levels of the soccer players in a period of 5 weeks [32],  
225 while Suarez-Arrones et al. (2019) observed how the body composition indicators of  
226 professional soccer players were better in those who had developed training where this content  
227 was included during the off-season [23]. These findings could justify the need to plan periodic  
228 doses of endurance training in the confinement period to avoid the loss of metabolic  
229 adaptations.

230 Strength training was considered the most relevant in training scheduling during confinement.  
231 The strength training prescribed by the technical bodies was based mainly on preventive  
232 functional strength (2.2 h/week), optimization of strength training for football performance  
233 (speed/maximum strength/power/plyometry) (2.0 h/week) and core and gluteus activation (2.0  
234 h/week). Strength training has been found to be significantly more effective in preventing  
235 injuries than other content, generating a protective effect on athletes [34]. Considering the need  
236 to prepare footballers to restart a preseason, with a substantial change in the training load  
237 according to the demands of the game in a short period of time, these findings could explain  
238 the importance of creating adaptations with which to reduce the risk of injury that this situation  
239 implies [32,35]. Also, it has been studied that the performance of footballers in a CMJ test after

240 23 days of training in an isolation situation did not decrease [36] which can mean that a properly  
241 strength training during the isolation period can help to keep the general strength levels.

242 Speed is one of the most decisive aspects for soccer performance [37-39]; in addition, a single  
243 week of training cessation can reduce speed endurance performance in trained soccer players  
244 [40]. The results shown in this study determined that the coaching staff gave reduced  
245 importance to this content during the confinement training program. Probably it was because  
246 the space limitation was a big difficulty to train this capacity. The reduced time allocated to the  
247 training of these contents could be due to the spatial limitations where such training could be  
248 carried out due to the forced confinement of athletes as a consequence of the state of alarm.

#### 249 **Training planning and control**

250 The level of program customization during confinement was high, with a mixed profile, 80.6%  
251 individually, 44.4% in groups and 77.8% collectively. To program, all professionals took into  
252 account the resources and material available to the players; on the other hand, 97.2% of  
253 professionals programmed depending on the materials and resources provided by the club.  
254 Other elements used to schedule the training sessions were the fitness profile and the  
255 technological resources (77.8%). The benefits of customizing strength and conditioning  
256 training are amply evidenced in the literature [41,42]. Meeting the specific needs of the player  
257 is difficult during a team's regular season due to time constraints. However, it seems that the  
258 situation caused by COVID-19 has allowed the coaching staff to have time with which they  
259 could individually schedule the practice.

260 According to the results shown in this study, the most widely used method of quantification  
261 and training monitoring was perception through meetings and videoconferences (88.9%),  
262 followed by questionnaires and subjective RPE and TQR scales and Wellness (66.7%).

263 Inadequate training loads are related to an increase in injury rate, a decrease in individual  
264 physical fitness and a reduction in performance [43-45], which could justify the need to control  
265 training sessions during this period and that 80.6% of the coaching staff rated the individual  
266 risk profile for planning.

## 267 **Conclusion**

268 The SARS-CoV-2 virus has posed the greatest challenge to world society in recent years, as  
269 well as for athletes and technicians in elite sports. Adapted training has been a challenge for  
270 both coaches and footballers due to its great relevance in health and in maintaining a good  
271 physical condition that favours the return to normal activity.

272 In conclusion, this study observed the structure and design of the training programs established  
273 by the coaching staff of professional soccer teams in Spain during the state of alarm and  
274 confinement caused by the COVID-19 pandemic. Spanish soccer players carried out tailored,  
275 individualized and nonspecific training programs during confinement at home. The training  
276 programs seem to form a defined structure with contents related, mainly, to general strength  
277 and endurance at a non-specific level training, with the aim of maintaining a level of physical  
278 condition that facilitates an adequate return to training and competition when the situation  
279 returns to normal and health in footballers is not compromised. The established proposals must  
280 be presented taking into account the organization and proper progression of the contents that  
281 facilitate the specific retraining of the footballer with the lowest risk of injury. The results  
282 obtained in this study allow us to record the intervention carried out during the confinement of  
283 the COVID-19 pandemic in the context of soccer, which serves as a reference for future  
284 exceptional situations.

## 285 **Possible limitations**

286 The variables were studied using a telematic questionnaire designed specifically for this study  
287 because the situation was exceptional and did not allow the development of other  
288 methodologies for data collection. The questionnaire items and the response scales were  
289 designed with reference to other studies with similar methodology, but there are no specific  
290 previous references that provide a solid-based methodology due to the particularity of the  
291 situation analyzed.

292 In this study, the training methodology before confinement has not been analyzed and it could  
293 have been interesting to have made a comparison between the training methodology before and  
294 during confinement. **Players' responses were not included as part of this study. The results and  
295 representative responses came only from coaches.**

296 The complexity of the methodology used and the context analyzed made it difficult to carry out  
297 the analyzes indicated in this section.

### 298 **Future lines of research**

299 Based on the findings described in this study, **it should** analyse the effect of training programs  
300 used during confinement by professional soccer teams on the performance and incidence of  
301 injuries in athletes. Furthermore, **it could compare** the training methodology during  
302 confinement between professional and non-professional teams. **In addition, the results obtained  
303 in this study should be analysed together with other training programs of European and world  
304 leagues.**

### 305 **Practical applications**

306 The study shows the structure of training programs developed by professional soccer teams  
307 during confinement in Spain. The absence of references and previous experience in this type of  
308 situation has required an adaptation of the coaching staff and soccer players, as in other sports,

309 which allows a return to standardized training in the best conditional state and with the lowest  
310 risk of injury. This study has made it possible to record the training and strategies used in  
311 professional football during the confinement forced by the COVID-19 pandemic. The findings  
312 of this study may be a reference for football coaches in planning and scheduling training in  
313 special situations for: assessment of the volume and intensity of training. organization of the  
314 content of the training program, quantification and control of the training program and  
315 assessment of the degree of intervention of the coaching staff in the development of training  
316 planning and programming. In addition, this study could be useful for the analysis of  
317 performance and injury index after confinement. It would be possible to study the number of  
318 injuries and the performance of the players and in this way, be able to assess whether the  
319 training methodology used in professional Spanish football during confinement was adequate  
320 or not.

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325 **Data sharing statement:** Data are available upon reasonable request.

326 **Ethics approval:** Data were treated confidentially, and no personal information was accessed.  
327 The questionnaires were completed anonymously. Privacy was respected and no personal  
328 information has been published. All participants declared informed consent. The research has  
329 complied with all the national regulations and has followed the tenets of the Declaration of  
330 Helsinki. The following statement is indicated in the questionnaire: *This research has the aim  
331 of studying the impact of the current situation due to the COVID-19 pandemic on soccer based  
332 on personal, contextual and psychological variables, as well as on variables related to training  
333 and sports performance. Participation is completely voluntary and anonymous. The test lasts  
334 from 5 to 10 minutes. The data and results obtained in this questionnaire will be treated for the  
335 exclusive purpose of scientiKc research based on Organic Law 3/2018, of December 5, on the  
336 Protection of Personal Data and guarantee of digital rights and as stated by the ethical*

337 *principles of the Declaration from Helsinki. By answering this questionnaire, you consent to*  
338 *participate. Any questions or queries related to the investigation can be addressed to the main*  
339 *researcher of the project: Iván Asín Izquierdo, PDI of the University of Alcalá, Department of*  
340 *Biomedical Sciences. ivanasizq@gmail.com*

341 **Authors' Contributions:** IAI designed and directed the study. IAI, MC and LGG designed and  
342 evaluated the questionnaire used. IAI and JCZ developed the data base. IAI, MC and LGG  
343 recruited participants, provided the questionnaire, and collected the data. IAI, MC and LGG  
344 wrote the manuscript. JCZ analyzed the data and wrote the results. JCZ carried out the  
345 translation of the manuscript and the questionnaire. IAI, MC and LGG reviewed the draft  
346 manuscript. IAI performed the last revision of the manuscript prior to submission. All authors  
347 read and approved the final version of the manuscript.

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480 **Table 1.** Training volume prior to COVID-19 and during COVID-19

	$\bar{X}$ (SD)	Minimum	Maximum	CI
Number of sessions/week prior to COVID-19	5.5 ( $\pm$ 0.5)	5	6	5.3-5.6
Number of hours/week prior to COVID-19	11.5 ( $\pm$ 4.5)	6	24	9.9-13.1
Number of sessions/week during COVID-19	6.4 ( $\pm$ 1.4)	5	12	5.9-6.9
Number of hours/week during COVID-19	8.9 ( $\pm$ 2.7)	5	18	7.9-9.9

481 CI: Confidence Interval

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510 **Table 2.** Elements used to program and individualize training program and methods used to quantify and control  
 511 training (percentage)

CP	TTP	RP	MRA	MRP	TR	Ot
77.8%	22.2%	80.6%	100%	97.2%	77.8%	41.7%

512 CP: Conditional profile. TTP: Tactical-technical profile. RP: Risk profile. MRA: Material and resources available.  
 513 MRP: Material and resources provided. TR: Technological resources. Ot: Others

SS	ACT	APP	MV	CT	Ot
66.7%	69.4%	55.6%	88.9%	5.6%	16.7%

514 SS: Subjective scales. ACT: Activity control tools. APP: Applications and new technologies. MV: Meetings and  
 515 videoconferences. CT: Conditional tests. Ot: Others

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542 **Table 3.** Number of weekly hours included (mean ( $\pm$ SD)) in the training programmed during the confinement  
 543 period or spent in relation to on components of physical conditioning abilities and alternative care during the  
 544 confinement period

<b>STRENGTH</b>				
	$\bar{X}$ (SD)	Minimum	Maximum	CI
Functional, preventive (a)	2.2 ( $\pm$ 1.6)	0.5	7.0	1.7-2.8
Maximum, plyometry (b)	2.0 ( $\pm$ 1.7)	0.0	6.0	1.4-2.6
Core, gluteus, proprioception (c)	2.0 ( $\pm$ 1.5)	0.5	6.0	1.5-2.5
Upper body (d)	1.6 ( $\pm$ 1.0)	0.5	6.0	1.2-1.9
Eccentric (e)	1.3 ( $\pm$ 1.1)	0.0	5.0	0.9-1.6
<b>Mean</b>	<b>1.8 (<math>\pm</math>1.4)</b>	<b>0.0</b>	<b>7.0</b>	<b>1.6-2.0</b>

e-b ( $p=.04$ ;  $d=-0.51$ , small); e-c ( $p=.01$ ;  $d=-0.55$ , small); e-a ( $p=.00$ ;  $d=-0.68$ , moderate)

<b>ENDURANCE</b>				
	$\bar{X}$ (SD)	Minimum	Maximum	CI
Intermittent training (a)	2.0 ( $\pm$ 1.2)	1.0	7.0	1.5-2.4
Strength-endurance (b)	1.7 ( $\pm$ 1.5)	0.0	8.0	1.2-2.3
Continuous method (c)	1.2 ( $\pm$ 1.2)	0.0	7.0	0.7-1.6
Regenerative low intensity (d)	1.1 ( $\pm$ 1.0)	0.0	6.0	0.7-1.4
Repeated sprint training (e)	0.5 ( $\pm$ 0.6)	0.0	3.5	0.2-0.7
<b>Mean</b>	<b>1.3 (<math>\pm</math>1.3)</b>	<b>0.0</b>	<b>8.0</b>	<b>1.3-1.5</b>

e-b ( $p=.00$ ;  $d=-1.07$ , moderate); e-a ( $p=.00$ ;  $d=-1.49$ , large); e-c ( $p=.00$ ;  $d=-0.67$ , moderate); e-d ( $p=.00$ ;  $d=-0.69$ , moderate); c-a ( $p=.00$ ;  $d=-0.63$ , moderate); d-a ( $p=.00$ ;  $d=-0.77$ , moderate)

<b>SPEED</b>				
	$\bar{X}$ (SD)	Minimum	Maximum	CI
Coordination, frequency of movement (a)	0.9 ( $\pm$ 1.0)	0.0	6.0	0.6-1.3
Accelerations and decelerations (b)	0.7 ( $\pm$ 0.7)	0.0	3.5	0.5-1.2
Agility, changes of direction (c)	0.7 ( $\pm$ 0.7)	0.0	4.0	0.4-0.9
Reaction (d)	0.5 ( $\pm$ 0.9)	0.5	5.0	0.2-0.8
Sprint (e)	0.4 ( $\pm$ 0.5)	0.0	2.0	0.2-0.5
<b>Mean</b>	<b>0.6 (<math>\pm</math>0.8)</b>	<b>0.0</b>	<b>6.0</b>	<b>0.5-0.8</b>

e-a ( $p=.00$ ;  $d=-0.67$ , moderate)

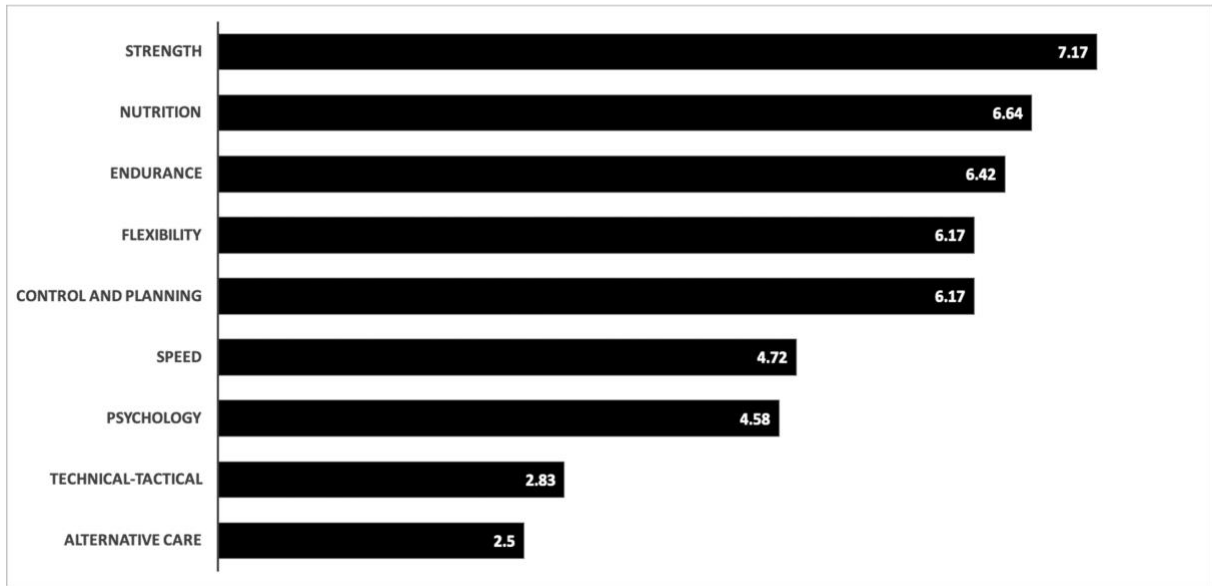
<b>ALTERNATIVE CARE</b>				
	$\bar{X}$ (SD)	Minimum	Maximum	CI
Flexibility, mobility, movement quality (a)	1.3 ( $\pm$ 1.1)	0.0	6.0	1.0-1.7
Foam Roller (b)	0.8 ( $\pm$ 1.0)	0.0	6.0	0.4-1.7
Cryotherapy, baths, contrasts (c)	0.3 ( $\pm$ 0.4)	0.0	2.0	0.1-0.4
Vibration, percussion, EMS and TENS (d)	0.1 ( $\pm$ 0.4)	0.0	2.0	0.0-0.3
Sport massage (e)	0.1 ( $\pm$ 0.5)	0.0	2.5	0.0-0.3
<b>Mean</b>	<b>0.5 (<math>\pm</math>0.9)</b>	<b>0.0</b>	<b>6.0</b>	<b>0.4-0.7</b>

e-b ( $p=.00$ ;  $d=-0.85$  moderate); e-a ( $p=.00$ ;  $d=-1.4$  large); d-b ( $p=.00$ ;  $d=-0.82$ , moderate); d-a ( $p=.00$ ;  $d=-1.39$ , large); c-b ( $p=.01$ ;  $d=-0.65$  moderate); c-a ( $p=.00$ ;  $d=-1.22$  large)

545 CI: Confidence Interval

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549 **Figure 1.** Degree of importance of training contents during confinement (mean) according to the opinion of  
 550 coaching staffs (0 = not important and 10 = very important)

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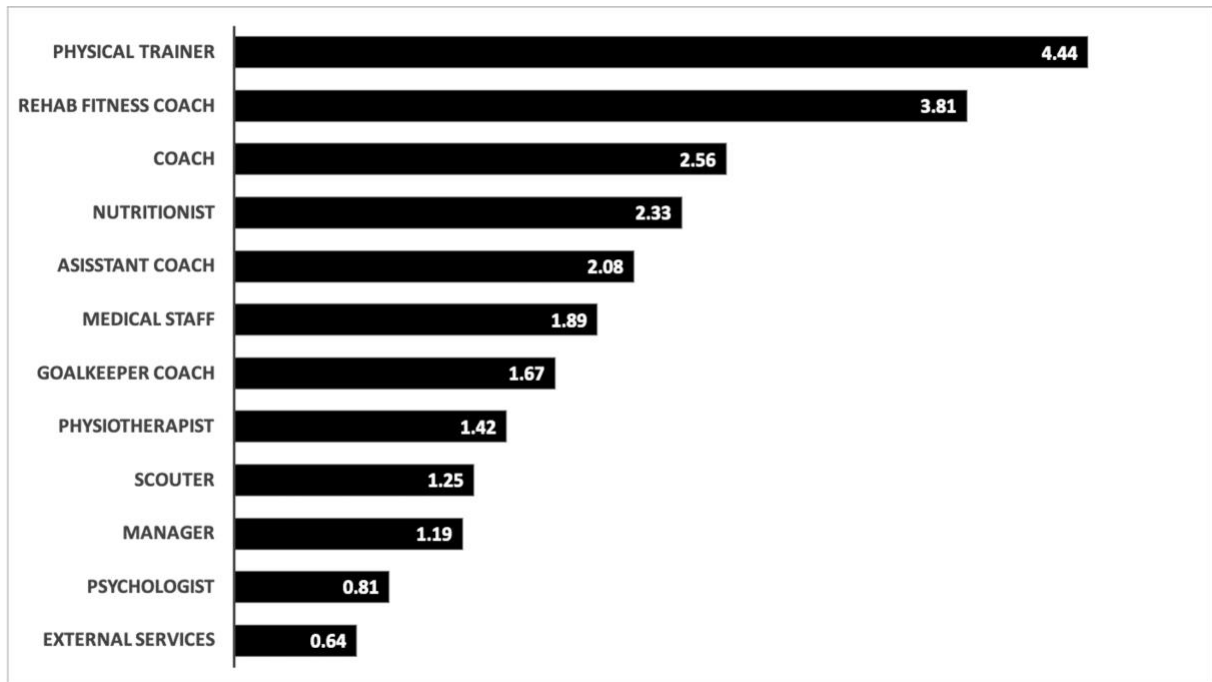
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569 **Figure 2.** Degree of intervention (mean) by areas of coaching staffs in the training program (0 = no participation  
 570 and 5 = maximum participation)