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**Citation** (please note it is advisable to refer to the publisher's version if you intend to cite from this work)

Zanetti, V, Carling, C, Aoki, MS, Bradley, PS and Moreira, A (2018) Are There Differences in Elite Youth Soccer Player Work Rate Profiles in Congested vs. Regular Match Schedules? Journal of Strength and Conditioning Research. ISSN 1533-4287

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## 1 Are there differences in elite youth soccer player work rate profiles in congested

## 2 versus regular match schedules?

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### 15 Funding

16

17 This work was supported by the FAPESP (Fundação de Amparo À Pesquisa do Estado 18 de São Paulo; São Paulo Research Foundation) under grant 2013/24193-2. We highlight 19 that the role of FAPESP was to provide financial resources to funding the project 20 without any other interference in the study.

21

## 22 Acknowledgments

- We would like to thank the assessed team staff for their assistance and all players for their great level of commitment to the experimental procedures implemented in this
- 25 investigation.
- 26

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- 37 Running head: Congested versus regular soccer match schedules
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- 43 Are there differences in elite youth soccer player work rate profiles in congested
- 44 versus regular match schedules?

- 47 Running head: Congested versus regular soccer match schedules

52 Official international tournaments in which youth soccer players participate can involve 53 very congested schedules. Yet no information regarding physical and technical match 54 performance during congested versus regular (non-congested) cycles is available. In this 55 study, accelerations, decelerations, mean metabolic power, and technical performance (offensive and defensive variables) were compared across very congested (VCM; 10 56 57 international matches played over 3 successive days, including 2 days with 2 58 consecutive matches separated by a 4-5 hr interval) and 10 regular (non-congested) 59 match periods (NCM) in elite male Under 15 (U15, n=11) and Under 17 (U17, n=13) 60 soccer players. Players wore a 15-Hz GPS unit with a 100-Hz tri-axial accelerometer. 61 The session-RPE was assessed 30 min post-match. Results showed a higher number of 62 accelerations/min observed in VCM vs NCM (U15; 2.27±0.35 vs 2.12±0.23; effect size 63 [ES]=0.49; U17; 2.27±0.41 vs 2.01±0.31; ES=0.69). Decelerations/min were higher 64 during VCM (U15; 1.99±0.27 vs 1.84±0.25; ES=0.55; and U17; 1.98±0.35 vs 65 1.80±0.27; ES=0.56). Mean metabolic power was higher in the VCM (U15; 0.42±0.06 vs 0.37±0.02; ES=1.08; U17; 0.46±0.03 vs 0.30±0.03; ES=1.94). Technical actions/min 66 were higher in the VCM for U17 (ES=1.60 and 1.37, for offensive and defensive 67 68 performance, respectively); but lower (during VCM) for U15 (ES=3.59 and 0.28, for 69 offensive and defensive performance). U15 reported a higher session-RPE in the VCM (7.9±0.5 AU vs 6.9±0.5 AU). The findings suggest that running activity in these youth 70 71 players was unaffected overall in tournaments with congested schedules and that the 72 intensity of match-play was actually greater than in regular match schedules.

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74 Key Words: match congestion, football, analysis, performance, accelerations.

#### 76 Introduction

Congested match schedules frequently occur in elite-standard senior soccer (8, 17).
Research in a professional team has shown that players were potentially exposed to 3
successive matches played within a 4-day period on up to 13 occasions across any one
season (9). Official international tournaments in which youth players (Under 15 [U15]
and Under 17 [U17]) participate can also involve very congested schedules. Players are
potentially exposed to 2 matches per day (e.g. 25x25min; 10min half-time interval) and
5 or 6 matches within a 3 day-time period (2, 21).

84 Despite these intensive schedules, analyses of technical and physical 85 performance, with the latter represented by total distance and that covered at a range of 86 running speeds in several matches played successively over a short period, show that 87 performance was generally unaffected in elite-standard senior players (10, 11, 14, 16, 88 23). In elite youth peers, limited yet contrasting information exists on the effects of 89 congested fixture schedules on technical and physical match performance (2, 7, 29, 30). 90 A recurring issue across all studies in youth players is that none directly compared 91 performance in congested versus regular competitive schedules. This is necessary to 92 account for the potential confounding effects of match context when interpreting 93 changes in performance and the impact of short recovery intervals between matches 94 (e.g., variations in match result, time in possession, home/away fixtures).

Research has nonetheless shown that the total distance covered and that run at high-speeds remained unchanged match-to-match over a congested competition in U15 Brazilian players (2). In contrast, decrements in these variables were reported in youth Australian players (29). Interestingly, players in the former investigation reported a progressive decrease in the frequency of acceleration actions performed across matches. The authors suggested that these actions potentially provide a more valid representation

101 of changes in external load over a congested match schedule compared to traditional102 metrics such as distances covered.

103 These discrepancies across study findings suggest a need for additional research 104 notably regarding the choice of running performance-related variables. Comparisons of 105 changes in the frequency of acceleration and deceleration actions during congested 106 competitive schedules are necessary (8). Similarly, analysis of alterations in metabolic 107 power (MP) would also be pertinent. MP is used to adjust time motion analysis data to 108 account for the additional energy cost of acceleration and deceleration activities (8). 109 Furthermore, there is a need to determine whether match-related fatigue, quantified 110 using decrements in these variables across match halves for example, evolves across 111 intensified competition periods. Finally, to our knowledge, comparisons of acceleration 112 and deceleration actions, MP and technical performance in elite youth players during 113 congested versus regular match schedules have not been conducted. Collectively, these 114 proposals would provide additional evidence on the effects of fixture congestion on 115 match performance in elite youth soccer players' and can help inform training and 116 recovery prescription and player rotation strategies to optimize performance during such 117 schedules.

The aim of this study was to compare physical and technical match performance and subjective perceptions of exercise intensity in elite youth male players during very congested versus regular match schedules. It was hypothesized that during the former, lower values for accelerations, decelerations, MP, and technical actions, and a higher perceived intensity would be observed.

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124

#### 126 Methods

#### 127 Experimental approach to the problem

128 Two elite male youth soccer teams were assessed during international tournaments. The 129 tournaments required each team to play 5 matches over 3 successive days. During these 130 very congested match schedules (VCM), time motion analyses of competitive running 131 activity derived using Global Positioning Systems (GPS), session ratings of perceived 132 exertion (S-RPE) and match analyses of technical performance were collected. Five 133 matches were also played as part of the regular non-congested match schedules (NCM) 134 for each team (U15 and U17). Comparisons between the same performance measures in 135 the very congested versus non-congested schedules were then conducted.

136

137 Subjects

All participating players belonged to U15 and U17 teams from a single elite soccer club. These teams participate regularly in national and international competitions and have reached top-ranked positions such as the semi-finals of the main National State Championships for their respective age-categories (2016-17). They also were winners of International Tournaments such as Next Generation Trophy (Austria, 2017) for the U15 and Amtzell Cup (Germany, 2017) for the U17 team.

Forty-four (20 U15 and 22 U17) elite male Brazilian soccer players, initially volunteered to participate in this study. Only data for players participating in at least 3 out of 5 VCM and 3 out of 5 NCM (completion of minimum 75% of total match time in every match) were considered for analysis. Consequently, 24 outfield players, 11 from the U15 (14.9  $\pm$  0.4 yrs; 173.2  $\pm$  7.6 cm; 61.6  $\pm$  8.8 kg; 1.0  $\pm$  0.6 yrs from peak height velocity) and 13 from the U17 (16.6  $\pm$  0.4 yrs; 177.5  $\pm$  6.0 cm; 68.3  $\pm$  6.8 kg; 2.4  $\pm$  0.5 yrs from peak height velocity) were included. Despite not maintaining rigid playing positions, as can be expected in U15 and U17 match-play, of the 24 players, positionspecific data for 5 full backs, 7 central defenders, 6 midfielders, and 6 forwards were
analyzed.

154 All the U15 and U17 players typically participated in 5-8 soccer training 155 sessions per week (strength and conditioning and technical-tactical sessions) and 156 competed in a weekly single match. The U15 and U17 players habitually performed 2 157 strength training sessions in the gym per week. The main differences between teams 158 regarding the strength training sessions was that the U15 habitually participated in a 159 hybrid training session, which consisted of weight training during the first part of the 160 session followed by specific-soccer technical exercises, while the U17 performed the 161 weight training sessions as an isolated session (separated from the technical/tactical 162 training sessions). The specific conditioning training sessions were composed of high-163 intensity short running bouts (HIB) and small-sided-games (SSG). Usually, players 164 performed HIB or technical exercises prior to SSG.

Written informed assent and consent were obtained from each player and their parents or guardians, respectively, and the study was approved by the local University Ethics Committee. All players underwent a thorough medical assessment to verify their health status prior to participation and were free from illness or injury at the time of this study.

170

171 Procedures

172 Competitive schedules

173 The team's competitive schedules are presented in Table 1. The U15 male youth 174 team played 5 matches over 3 successive days during an international competition (The 175 Next Generation Trophy, Salzburg, Austria, 2016). Running and technical performance

176 and the session rating of perceived exertion (S-RPE) were assessed in 2 matches played on the  $1^{st}$  day of the competition; in 2 on the  $2^{nd}$  day, and in 1 on the  $3^{rd}$  day (25x25) 177 178 min; 10-min-half-time interval; Table 1). Performance in an U17 male youth team were also assessed over an international competition (Varsseveld Tournament, Varsseveld, 179 Holland, 2016) during which 5 matches were played over 3 successive days. The 1st 180 match was played on the 1<sup>st</sup> day of the competition, the 2<sup>nd</sup> and 3<sup>rd</sup> matches were played 181 on the 2<sup>nd</sup> day, and the 4<sup>th</sup> and 5<sup>th</sup> matches on the 3<sup>rd</sup> day (25x25 min; 10-min half-time 182 183 interval) (Table 1). Five matches played as part of regular match schedules (NCM) 184 schedule for each team (U15 and U17) were evaluated to compare performance 185 measures between congested versus non-congested schedules. The assessed matches 186 were from the State Championship of each age-category (35x35 min, with a 10-min 187 half-time interval) and occurred within a 2-month period, during the mid-season.

All matches were played on natural grass, and under temperate conditions (mild temperatures). Precise measures of temperature and humidity were not collected. The maximum of 3 substitutions were conducted by coaches in both VCM and NCM matches. No systematic post-match recovery regimen was implemented between the assessed matches during either the VCM or NCM.

193

#### 194 **Table 1 HERE**

195

196 *Physical Performance Parameters* 

Each player wore a 15-Hz GPS unit coupled with a 100 Hz tri-axial accelerometer (SPI Elite, GPSports, Canberra, Australia). Each unit was harnessed between the shoulder blades and anchored using an undergarment to minimize

200 movement. These provide more valid and reliable measures of total and high-intensity201 distance compared to 1- and 5-Hz units (20).

202 Physical performance parameters included accelerations and decelerations (>1.8  $m \cdot s^{-2}$  and -1.8  $m \cdot s^{-2}$ , respectively) and average metabolic power (MP) (W \cdot kg^{-1}) 203 204 calculations, derived by the manufacturer's software. The threshold adopted for 205 determining accelerations and deceleration actions allowed assessment of light-, 206 moderate-, and high- acceleration and deceleration actions. This threshold has 207 previously been used in youth soccer players to study the effects of congested match 208 schedules (2). MP has been suggested as a reliable marker of locomotor load where acceleration- and velocity-based running are accounted for (coefficient of variation 209 210 [CV%] = 4.5% (2). All variables were normalized per min of on-field playing time.

211

#### 212 Technical Performance Parameters

Video recordings were obtained using two digital cameras (Panasonic, 60Hz frequency acquisition). One camera was located 15 m above and to one side of the long axis of the pitch, and the other was placed 5 m to one side of the pitch to facilitate player identification and coding. Dartfish 9 TeamPro software (Dartfish, Fribourg, Switzerland) was used to code match performance.

The technical events were chosen to match those used in previous research (21, 27,32). Definitions for variables were:

- Involvements with the ball: all situations where the player was in contact with the ball.
- Goal attempts: number of attempts to score a goal.
- Total passes: number of short and long foot passes performed by a player.
- Total headers: number of times where a player played the ball with his head.

• Tackles and interceptions: number of situations where a player contested the ball with an opponent player irrespective of whether these situations involved or not clear physical contact between players.

228 To examine overall technical performance, two categories were used: offensive and 229 defensive performance. Offensive performance was analysed using data on 230 involvements with the ball, goal attempts, and total passes. Defensive performance was 231 assessed using tackles and interceptions made. Heading actions were also included but 232 not classified according to whether these were attacking or defending actions. This 233 classification was adopted previously in a study on performance in youth players during 234 a congested competitive schedule (21). The offensive and defensive variables were 235 normalized per min of on-field playing time.

Results from tests of inter- and intra-reliability of technical performance were found to be excellent when analyzing two trials for each match using two experienced match analysts. The Kappa values for the analysed variables ranged between 0.90–0.95 (interobserver) to 0.95–0.98 (intra-observer).

240 Due to the playing philosophy of their parent club a 4-4-2 team formation was 241 preferentially adopted during all assessed matches by both the U15 and U17 teams.

242

243 Match Intensity

To subjectively quantify match intensity, S-RPE was assessed following each match. Each player rated the match intensity using the CR-10 sliding scale 30 min postmatch (18). This method is shown to be a valid means for monitoring load in youth soccer players (19, 21).

248

251 Values are presented as means and standard deviations for the ensemble of the 252 matches. A magnitude-based inferential statistical approach was adopted for physical 253 and technical data analyses based on previous recommendations for performance 254 measures (33). Cohen's d effect sizes (ES) were calculated to determine the 255 meaningfulness of the difference, corrected for bias using Hedges formula and 256 presented with 90% Confidence Limits (CL) (3). The differences between match halves 257 within each competition (VCM and NCM), and differences between competitions for 258 the whole match were then examined, for physical and technical parameters, for each 259 age-category, separately. ES with values of 0.2, 0.5, and 0.8 were considered small, 260 medium, and large differences respectively (12). Data were analysed using Microsoft Excel (Microsoft<sup>TM</sup>; USA). A two-way analysis of variance [condition (VCM vs NCM) 261 262 and time-point assessments (match 1 to match 5)] with repeated measures in the second 263 factor was used for S-RPE, after checking for data normality (Shapiro-Wilk's test) and 264 homoscedasticity (Levene's test). The sphericity of data was assumed according to the 265 Mauchly's test results. In the event of a significant difference, a Bonferroni post-hoc 266 test was used to identify any localized effects. Statistical significance was set at p < 0.05. Data were analyzed using Statistica 13.0. (Dell<sup>TM</sup> Statistica<sup>TM</sup>; EUA) 267

268

#### 269 **Results**

270

#### Physical Performance Parameters

Figure 1 presents data (mean and SD) for accelerations (ACC) (Figure 1A), decelerations (DEC) (Figure 1B), and average metabolic power (MP) (Figure 1C) during the VCM and NCM schedules. In Figure 2 the magnitude of the differences in ACC, DEC, and MP, between the schedules is presented. A difference classified as worthy of consideration (ES>0.20) was observed for the 3 physical performance
parameters, in both U15 and U17 players.

Figure 3 presents the ES for comparisons in measures across halves (for each match schedule). A decrease in ACC and DEC, from the 1<sup>st</sup> to the 2<sup>nd</sup> half was observed in U15 and U17 for both schedules. However, a large increase from the 1<sup>st</sup> to the 2<sup>nd</sup> half was observed for MP; with a very large increase for both teams during the NCM. In the VCM, the MP increased (1<sup>st</sup> to the 2<sup>nd</sup> half) for U17 but decreased for U15.

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283 Figure 1 HERE

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285 Figure 2 HERE

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**Figure 3 HERE** 

288

289 Technical Performance Parameters

290 Offensive and defensive values are depicted in Figure 4. In U15, a large 291 difference was observed between the VCM and NCM in relative offensive performance 292 (ES=3.59), with lower values in the VCM. In contrast, the U17's offensive performance 293 was higher during the VCM vs NCM (ES=1.60). The same pattern was observed for 294 defensive performance, with a small difference (ES=0.28) for U15 (lower value during 295 the VCM) and a large difference (ES=1.37) for U17 (higher value during the VCM) respectively. Regarding the change in technical performance from the 1<sup>st</sup> to the 2<sup>nd</sup> half, 296 297 an increase in offensive performance was observed for U15 and U17 during the NCM 298 (ES=0.91 and 0.32, respectively); with a small change during the VCM for U15 only 299 (ES=0.20). The U15 demonstrated a large increase in defensive performance during the

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NCM (ES=0.92), while no change was noted for U17 (ES=0.00). During the VCM,
however, no change was observed for U15 (ES=0.00) or U17 (ES=0.07).
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#### **303 Figure 4 HERE**

- 304
- 305 *Perceived Match Intensity (session-RPE)*

No interactions (condition [schedules] vs time [matches]) (F=0.50; p=0.73) or time (F=0.93; p=0.44) effects were observed for U15. In contrast, there was a condition effect (F 7.50; p=0.001), with higher match intensity observed for the VCM. No effect of interaction (F=2.24; p=0.95), time (F=1.07; p=0.39), or condition (F=0.98; p=0.35) was observed for match intensity in U17. Figure 5 presents the match intensity descriptive values for conditions (schedules) in U15 and U17.

- 312 Figure 5 HERE
- 313

#### 314 **Discussion**

315 This study compared physical and technical match performance and perceived 316 intensity during very congested versus regular match schedules in elite youth male 317 players. Contrary to the hypothesis, higher values for physical performance parameters 318 were observed in the VCM for U15 and U17 teams. In both teams, analysis of ACC and DEC showed a decrease from the 1<sup>st</sup> to the 2<sup>nd</sup> half in both match schedules. In contrast, 319 MP values for the NCM increased in the 2<sup>nd</sup> compared to the 1<sup>st</sup> half, in both teams. The 320 321 U17 performed a higher number of offensive and defensive actions in the VCM versus 322 NCM. In U15, however, a lower number of offensive technical actions was observed in the VCM. There was a large increase in offensive performance from the 1<sup>st</sup> to the 2<sup>nd</sup> 323 324 half for U15 and U17 in the NCM whereas a lower increase occurred during the VCM.

The U15 demonstrated a large increase in defensive performance (1<sup>st</sup> vs 2<sup>nd</sup> half) during the NCM, but not in the VCM. A greater perceived match intensity (higher S-RPE) was observed for the VCM in the U15 but not the U17.

328 The higher relative values observed for ACC, DEC and MP in the VCM show 329 that players elevated their running output (per minute) when participating in this 330 intensive tournament format. Based on the present results and considering data from the 331 literature (1, 13, 15, 20, 25, 28), it is reasonable to assume that the intensity of the match 332 play was higher during the VCM. This is an important finding as it shows that youth 333 players were able to cope physically during these intensive schedules. A reasonable 334 explanation for the higher work intensity observed in the VCM might be the players' 335 knowledge of the reduced duration of the match. The players' response to match 336 demands during a congested schedule could be associated with a self-regulation or 337 pacing strategy, consciously or subconsciously, of physical effort (5, 10, 21). As 338 numerous factors can influence pacing strategies (31), including the knowledge of 339 exercise end-point and bout duration, it can be speculated that players worked harder 340 during the VCM compared to the NCM due to their knowledge about the shorter 341 duration of the match.

The possible influence of the quality of the opponent on these findings on running performance should also be highlighted and cannot be ruled out as a possible contextual factor that potentially impacted performance (14). Indeed, the higher intensity in VCM might be also associated with an elevated players competitiveness (and perhaps higher motivation), due to playing against higher-level (international) opponents.

A decrease in the ACC and DEC from the 1<sup>st</sup> to the 2<sup>nd</sup> half was observed in both schedules in U15 and U17. However, during the NCM, MP values increased in the 2<sup>nd</sup> half. Taking into account the direct role of velocity in setting instantaneous metabolic power (24), the increase in  $2^{nd}$  half MP during the NCM, suggests that players performed a higher number of other high-intensity (speed) actions in the  $2^{nd}$  half (e.g. straight runs); but were unable to do this in the VCM.

354 The present results regarding S-RPE corroborate an early study in youth players 355 reporting a range of S-RPE values between 7.1  $\pm$  1.2 AU (arbitrary units) to 8.2  $\pm$  0.7 356 AU for the 7 matches played during a national VCM schedule (21). Here, the mean S-357 RPE value during the VCM was 7.92 AU (0.51) for the U15 and 8.01 AU (1.31) for the 358 U17, respectively. It is noteworthy that the evaluated matches were played in a high-359 perceived intensity zone (> 7 AU). The results for S-RPE also indicate that the U15 360 perceived the VCM as more intense than NCM. Again, this finding may be linked to the 361 higher standard of the opponents played against in this competition although no 362 difference between the competitions was observed for U17. The results for S-RPE 363 might also be associated with findings for the analysis of physical and technical actions. 364 The lower number of offensive and defensive actions observed for the U15 during the 365 VCM vs NCM might be due to an elevated perceived exertion in the VCM, which in 366 turn was induced by the higher external work load performed by these players during 367 the VCM. Working harder and perceiving a higher exertion might lead the players to try 368 to reduce their involvement in the match to preserve energy.

As pointed out by Boksem and Tops (4) individuals can try to minimize the energetic costs of performance by adopting behavioral strategies that require minimal levels of effort. Reducing the involvement (lower number of performed technical actions) in the match might be a behavioral strategy to attempt to reduce perceived exertion to preserve energy. The match outcomes cannot be ruled out as a factor influencing the higher S-RPE values in U15 during the VCM; this team won 1 of 5

played matches, while during the NCM, the U15 won 4 of 5 played matches. The effect
of match outcome during different types of match schedules in similar populations
merits investigation in future studies.

378 While the current investigation adds novel evidence to the literature, some 379 limitations should be acknowledged. As two teams from the same club were assessed, 380 caution is required in making inferences regarding the results which might be associated 381 to personal game philosophy and the tactical strategies adopted by the coaches. Other 382 contextual factors (e.g different opponent standards, winning, defeating or drawing at a 383 given moment of the match, motivation in the competitions) might also have influenced 384 the results. The use of more than one ACC and DEC threshold might provide a clearer 385 picture of differences in physical performance between conditions (VCM vs NCM 386 match). It is also important to highlight that the present findings are representative of a 387 very unique congested match schedule for elite male youth players. Thus, the results 388 should not be generalized to elite senior players while may also not be appropriate for 389 application to populations with a potentially lower level of skill and competitiveness.

390 Additionally, the implications of using MP should be considered. Buchheit et al. 391 (6), for example, questioned the MP value for monitoring purposes in soccer. The 392 authors argue that locomotor-derived MP largely underestimates the actual net 393 metabolic demands. On the other hand, Osgnach et al. (24) question the use of a direct 394 comparison of actual VO<sub>2</sub> and MP to validate MP. Even recognizing the importance of 395 the arguments for adopting or not adopting the MP for monitoring physical performance 396 in soccer, it should be highlighted that consideration is necessary concerning MP 397 validity within the limits of the current discussion.

398 In conclusion, these findings suggest that the present youth players' work rate 399 profiles were not impaired in VCM and that the relative physical intensity of match-play

was increased in this type of competition. Moreover, the present results suggest a
decrease in the physical intensity of the match-play from the 1<sup>st</sup> to the 2<sup>nd</sup> half in both
schedules, except for MP during the NCM; and contrasting results were observed across
the teams for technical action and session-RPE.

404

#### 405 **Practical Applications**

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407 The higher intensity of play in the VCM reported here suggests there is a need 408 for preparation strategies to provide players with opportunities to experience playing at 409 greater intensities than usual during training sessions. For instance, players could 410 participate in small-sided-games (SSG) designed to elicit high intensity play (through 411 manipulation of rules, number of players, area per player, etc). Monitoring using GPS 412 devices would ensure real-time adjustments in exercise intensity. Programming and 413 monitoring performance in matches to mimic the very congested schedule could also be 414 relevant to aid preparation for this type of competition. For example, players could 415 perform two simulated matches in a day (i.e. morning and afternoon) over two 416 successive days while receiving real-time feedback from coaches to increase and 417 maintain high intensity play. These approaches would be useful to prepare players physically and mentally to the demands of this type of schedules, and the efforts 418 419 required as well as being an opportunity to test pacing strategies during the competition.

420

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527 Figure 1. Data normalized per minute of on-field playing time (mean  $\pm$  SD) for 528 accelerations (ACC [A]), decelerations (DEC [B]), and average metabolic power (MP 529 [C]) for the VCM (very congested) and NCM (regular) match schedules (U15 and U17). 530 Figure 2. The magnitude of the differences in accelerations (ACC), decelerations 531 532 (DEC), and average metabolic power (MP), between the VCM (very congested) and 533 NCM (regular) match schedules. The positive scores denote higher values in the VCM 534 compared to the NCM. Grey bar denotes an effect size (ES) > 0.20. 535 536 Figure 3. The magnitude of the differences in accelerations (ACC), decelerations 537 (DEC), and average metabolic power (MP) between halves for the VCM (very 538 congested) and NCM (regular) match schedules. Grey bar denotes an effect size (ES) >539 0.20. 540 541 Figure 4. Offensive and defensive performance during NCM (regular) and VCM (very congested) match schedules (whole matches [total matches; TM] and 1<sup>st</sup> and 2<sup>nd</sup> halves; 542 543 data normalized per minute of on-field time) (mean  $\pm$  SD). 544 545 Figure 5. Match intensity (S-RPE; mean  $\pm$  SD) for the VCM (very congested) and NCM 546 (regular) match schedules in U15 and U17. \*significant difference from NCM. 547

Table 1. Competition schedules and results

UNDER-15									
		VCM			NCM				
М	Opponent	Result	Day of the competition;	*M	Opponent	Result			
			time of the beginning of						
			the match						
$1^{st}$	Weder	0 – 0 (draw)	1 <sup>st</sup> ; morning;11:00	1 <sup>st</sup>	Guarani	3-0 (won)			
	Bremem								
2 <sup>nd</sup>	Manchester	1 – 1(draw)	2 <sup>nd</sup> ; afternoon;16:00	$2^{nd}$	Bragantino	5 – 1 (won)			
	City								
3 <sup>rd</sup>	Valencia	0-1 (lost)	3 <sup>rd</sup> ; morning;9:00	3 <sup>rd</sup>	Paulista	2-1 (won)			
4 <sup>th</sup>	Sagan Tosu	2-1 (won)	4 <sup>th</sup> ; afternoon;14:00	4 <sup>th</sup>	AD	0-2 (lost)			
					Guarulhos				
5 <sup>th</sup>	Red Bull	1 – 2 (lost)	5 <sup>th</sup> ; morning; 10:00	5 <sup>th</sup>	Juventus	4 – 1 (won)			
	Salzburg								
UNDER-17									
1 <sup>st</sup>	Grafshap	1 – 0 (won)	1 <sup>st;</sup> afternoon;17:30	1 <sup>st</sup>	Guarani	3 – 1(won)			
$2^{nd}$	Utrech	0-0 (draw)	2 <sup>nd</sup> ; morning;12:00	$2^{nd}$	Bragantino	2 – 1(won)			
3 <sup>rd</sup>	Sporting	2-0 (won)	3 <sup>rd</sup> ; afternoon; 16:00	3 <sup>rd</sup>	Paulista	1 – 0 (won)			
4 <sup>th</sup>	Mechelen	0-0 (draw)	4 <sup>th</sup> ; morning; 12:00	4 <sup>th</sup>	AD	3 – 1 (won)			
					Guarulhos				
5 <sup>th</sup>	AZ Alkima	0-1 (lost)	5 <sup>th</sup> ; afternoon; 16:00	$5^{th}$	Juventus	4 – 1 (won)			

- 550 VCM = very congested match schedule; NCM = regular match schedule; M = match;
- \*all NCM were played on mornings; U15 matches beginning at 9:00 and U17 matches
- beginning at 11:00; Results (assessed team match outcome).

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