# Use of Video-Analysis Feedback within a Six-Month Coach Education

# **Programme at a Professional Football Club**

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5 Abstract

This research outlines how a neophyte sport psychology practitioner (SPP), working alongside a professional football coach, utilised video-analysis feedback within a six-month coach education programme at an elite level professional football club. Video-analysis feedback was primarily utilised to improve the coach's self-awareness in relation to his coaching practice. The intervention was also designed to support the integration of a psychosocial focus within the coaching context. Reflective accounts from both the neophyte SPP and the coach are provided. The reflections provide an insight into the efficacy of the intervention as well as presenting some of the challenges of delivering an intervention, such as this, within a professional football club. The use of video-analysis feedback provided the coach with an opportunity to reflect upon his coaching practice and as a result improve self-awareness of his coaching philosophy, especially in relation to the environment created within the coaching context and relationships developed with players.

**KEYWORDS** (technology, development, reflection, coaching)

The use of video-analysis in sport has grown significantly in the last decade (Mackenzie & Cushion, 2013) and has been recognised as integral, not only for the development of the players, but also for the purpose of coach education (Groom, Cushion & Nelson, 2011; Nelson & Groom, 2012). However, despite this, the use of video-analysis as a tool for coaches' development remains unclear (Barlett, 2001) and research investigating

performance analysis for this purpose requires much more attention (Reeves & Roberts, 2013). Historically the purpose of performance analysis feedback has been to reduce the coaching process down into measurable behaviours (Partington, Cushion, Cope & Harvey, 2015), as opposed to considering it as a whole. As a result, coaches are not encouraged to reflect on how they as an individual impact upon the coaching context. Breaking the coaching process down into measurable behaviours, fails to highlight the importance of the social interactions that occur between the coach and their players (Cushion, 2007). Furthermore, it is apparent that coaches' attitudes towards performance analysis, for the purposes of self-reflection, are divided. Whilst some coaches actively seek feedback from others, and are willing to adapt their coaching philosophies, others refuse to 'buy-in' to the process, and as a result, fail to progress and develop (Reeves & Roberts, 2013).

Given the high-pressured environment created within professional football academies and considering the high turnover of staff (Partington, et al., 2015) coaches may choose to use 'safer', more traditional, tried and tested methods within their coaching practices in order to successfully demonstrate their expertise (Cushion, Ford & Williams, 2012). However, in order for coaches to have the best chance of producing players capable of playing within the Premier League - the pinnacle of English football, it is essential they continuously adapt and develop their coaching practices over time. This can only be achieved by encouraging coaches to reflect (Cushion, Harvey, Muir & Nelson, 2012), understand their current thoughts and behaviours (Harvey, Cushion & Massa-Gonzalez, 2010) and as a result prevent the culture of professional football from becoming stagnant (Abraham, Collins & Martindale, 2006). By engaging in reflective practice, coaches are able to develop self-awareness and as a result better understand and change their current behaviours (Leduc, Culver, & Werthner, 2012). In that sense, this research outlines how video-analysis feedback was utilised within a 6-month coach education programme in order to encourage reflection and increase the self-

awareness of a coach at a professional football club. In addition to this, the intervention was designed to support the integration of a psychosocial focus within the coaching context. Reflective accounts from the perspective of both the sport psychology practitioner (SPP) and the coach are highlighted to provide an insight into the challenges of delivering an intervention, such as this, within a professional football club.

### **Coaching and Self-Awareness**

It has been reported that coaches often lack self-awareness regarding their coaching practice and philosophy (Lyle & Cushion, 2010). Research has found that coaches regularly highlight the importance of developing the 'whole player', with particular emphasis placed on developing the ability of their players to make decisions and be creative (Wright & Forrest, 2007). Despite this, their coaching practices often do not align with their beliefs and values (Partington & Cushion, 2013). In actuality, coaches often do not provide their players with the opportunity to explore and make decisions within their coaching sessions. Furthermore, coaches often rely more on instruction as opposed to providing their players with the opportunity to ask and answer questions. Coaches that do ask questions, very rarely encourage their players to develop a level of critical thinking, due to the nature of the questions being asked and the demands they place on their players for a quick response (Cope, Partington, Cushion & Harvey, 2016). Integrating video-analysis within the coaching context has been found to encourage self-reflection and as a result challenge coaches to closely consider their coaching philosophy and practice as a whole (Groom, Cushion & Nelson, 2011).

Given that coaching is a complex interplay between thought and action, it is essential for any coach education programme to acknowledge the interaction between observable behaviours and the cognitive process that precedes it (Cushion et al., 2012). Video-analysis

feedback provides practitioners and coaches with a platform to achieve this. Coaches are able to view their coaching behaviours and critically reflect on these behaviours, whilst explaining their decisions. If facilitated within a supportive environment, video-analysis feedback can encourage reflection, increase self-awareness and have a direct impact on coaching practice. Video-analysis can also provide coaches with a greater awareness of the nature of the coachathlete relationship (Groom et al., 2011), encouraging them to reflect and consider how they interact with their players (Cushion & Jones, 2006) to implement a more player centred approach. Furthermore, it can also highlight the importance that trust and respect have in creating a positive learning environment (Cassidy, Jones & Potrac, 2009). Partington et al. (2015) investigated the impact video-feedback had on the reflection and coaching practices of five English youth coaches. This individual longitudinal approach provided the coaches with an opportunity to significantly change their coaching behaviours in areas such as instruction, questioning and feedback as a result of their increased self-awareness in relation to their coaching practice. Clearly then, video-analysis used for the purpose of coach development has the ability to increase self-awareness and ultimately enhance learning and development.

# **Coaching Context**

It has been suggested that coaches value the developmental opportunities they are presented with in their day-to-day work more than the opportunities provided to them whilst engaged in formal coach education (Werthner & Trudel, 2006). Whilst these coach education programmes are essential for the development of elite coaches, they are often criticised for lacking authenticity regarding the context in which they are delivered (Mallett et al., 2009) and for not considering the challenges most important to each individual coach (Nelson, Cushion & Potrac, 2006). Coaches are rarely given the opportunity to learn and develop within their own club's environment and as a result coaching courses may fail to foster long-lasting change. On the other hand, everyday learning experiences can often be overlooked

due to the increasing demands placed on elite coaches working within professional football. When these learning opportunities are recognised, they are often limited in direction and rarely include constructive feedback (Mallett, Trudel, Lyle & Rynne, 2009). Nevertheless, these challenges can be overcome by providing coaches with the appropriate support and resources to ensure that their development is consistently prioritised. In that sense, it could be argued that SPP are uniquely placed to provide coaches with this support and it has been suggested that the use of video feedback can 'bridge the gap' between themselves and the coach (Ives, Straub & Shelley, 2002). Furthermore, SPP are able recognise the importance of viewing the coaching process holistically and on an individual basis (Partington & Cushion, 2013). Hence, this 6-month coach education programme was designed and delivered by the SPP, ensuring the views and needs of the coach were considered within the broad and unique environment that existed at the club.

# 112 Research Context

This intervention took place at an English, Category One, Premier League Academy. The Premier League is the pinnacle of professional football in England and is recognised as one of the best leagues on the global platform. The ultimate aim of football academies across the globe is to produce individuals capable of playing first team professional football (Relvas et al., 2010; The Premier League Elite Player Performance Plan (EPPP), 2011). In order to successfully achieve this, academy programmes provide specialised support in areas such as; coaching, sport science, physiotherapy, performance analysis and sport psychology. The structure of these academies ensures that this professional support is delivered across three distinct phases; the Foundation Phase (under 5 to under 11), the Youth development Phase (under 12 to under 16) and the Professional Development Phase (under 17 to under 21)

(EPPP, 2011). This intervention was delivered to one of the coaches within the Youth Development Phase of the academy structure.

### The Coach

At the time the intervention took place, the coach (author three), was coaching the U12's group within the Youth Development Phase of the academy. Jamie holds the F.A. level 4 (UEFA A licence), Advanced Youth Award and has an undergraduate degree in 'Sport Leisure and Management'. He had 12 years of coaching experience within professional football and at the time of the intervention had been coaching at the current club for one year.

# **Neophyte Sport Psychology Practitioner**

At the time the intervention took place, I (author one), aged 22, was in the final stages of completing my MSc in Sport Psychology. I held the F.A. level 3 (UEFA B) coaching qualification, all three Youth Modules and had six years experience of coaching football at the grassroots level. The placement at the club lasted for six months and was part of my MSc programme. During my time at the club, my supervisor (author four) facilitated the placement and supported the delivery of the intervention. The delivery of psychological support was in its infancy at the club and this intervention was designed to highlight the importance of delivering psychological interventions within the coaching context, to reinforce a hands on performance-orientated perspective, as opposed to a classroom based delivery approach. The reflections presented are designed to provide an insight into my development over the course of a six-month period and the efficacy of the intervention itself.

### The Intervention

The primary aim of the intervention was to increase Jamie's self-awareness in relation to his coaching practice and encourage him to critically reflect upon his coaching philosophy in relation to his practical delivery. The secondary aim of the intervention was to enhance Jamie's ability to integrate a psychosocial focus within the coaching context delivered over a six-month period. A focus on the psychosocial development of youth players has been largely ignored (Harwood, Barker and Anderson, 2015) and so the 5Cs (Confidence, Commitment, Communication, Concentration and Control) (Harwood, 2008), were utilised to ensure the desired aims of the intervention were met. Performance analysis equipment was utilised to capture the coaching sessions that Jamie delivered with a group of players within the Youth Development Phase (12-16) of the academy and an online platform was created to store and access this video footage. The intervention consisted of four key steps that are outlined below. Collectively, all four steps were designed to meet both the primary and secondary aims of the intervention.

### **Step 1: Coach and Player Observation**

To ensure the intervention met the individual needs of the coach, I spent the first four weeks observing Jamie, both on and off the pitch, in order to better understand him as both a person and a coach. This also provided me with an opportunity to observe the players in both training and in games. Jamie, who actively viewed me as an extension of the 'coaching team', was keen to get my views on both his delivery and the players' development needs. Therefore, we discussed and agreed upon individual targets for each of the players in relation to one aspect of the 5Cs. The players were then made aware of these targets and encouraged to focus on this aspect of their development over the next six weeks. After each six-week cycle, both Jamie and myself, with involvement from each player, made a decision, as to whether the player should retain this target or be given a different psychosocial focus. This step was essential to the success of the intervention, as it encouraged Jamie to focus on the

holistic needs of his players and better understand the importance a psychosocial focus could have on the long-term development of youth players - in line with his coaching philosophy. Moreover, it provided me with an opportunity to observe Jamie's delivery and begin to build a relationship with him, which would be essential to the success of the intervention moving forwards (Giges, Pepitas & Vernacchia, 2004).

# **Step 2: Integrating the 5Cs**

Each element of the 5Cs framework were integrated alongside an aspect of the club's coaching philosophy that was deemed to be a 'best fit'. Confidence was combined with 'Playing Out from The Back', Communication was combined with 'Playing Through Midfield', Control was combined with 'Playing in the Final Third', Concentration was combined with 'Transition' and Commitment was combined with 'Defending Principles '. In a six-week cycle, this allowed each psychological topic to be coached and ensured that every individual within the group had an opportunity to develop all areas of the 5Cs, as well as focus on their own target area. Within the *Appendix* there are examples of coaching sessions that were used as part of this six-month intervention. The five coaching sessions highlight how each of the 5C's were integrated alongside the technical/tactical focus. In addition to this, they provide examples of interventions used to develop these psychosocial qualities in the players. The sixth week was dedicated to game related practices, allowing the players to demonstrate their understanding of the topics that had been delivered in the weeks prior.

# **Step 3: Capturing the Coaching Sessions**

After the initial four-week observation period, all of the coaching sessions were then recorded. We utilised video-analysis equipment and the video and audio footage produced were edited to highlight aspects of the coaching session that demonstrated 'best practice'. This edited footage focused on a number of aspects: the use of psychosocial interventions

within the coaching session, the players' responses to these challenges, the environment Jamie created within the coaching context and the interactions and relationships he had and was able to build with his players. This video footage became the foundation of the intervention and was regularly used to facilitate debate and discussion. Moreover, this video footage was uploaded onto an online platform, where all coaches within the academy could access it for educational purposes, regarding 'best practice' of how to integrate psychosocial interventions within their coaching practice. After accessing this online platform, a number of other coaches requested the same video-analysis feedback from their own sessions, giving the education programme the potential to extend beyond one coach in isolation and have more of an impact on an organisational level.

# **Step 4: Reflection**

Jamie and I then dedicated time together to review the video footage and reflect on what went well, as well as identify areas that could be improved. Initially these reflections followed a rigid structure in line with the cyclical process of action research (Knowles, Gilbourne, Borrie & Nevill, 2001). Action research is often associated with changes to context specific practice, as it encourages practitioners to plan, observe and reflect upon their current behaviours. Reflecting on current practices provides practitioners with an opportunity to explore good practice, as well as identifying areas that require change. Furthermore, if done as part of a group, practitioners are able to create new understanding, which can potentially have an impact upon their practice (Knowles et al., 2001). Jamie and I were able to dedicate time after each session to discuss our views of the days coaching sessions. During these sessions, we would both watch the footage together and then I would provide Jamie with an opportunity to express his thoughts, before offering my own. We would often discuss his beliefs and values regarding his coaching philosophy, the long-term development and progression of his players and elements that needed to change for the following day. As these

sessions became common practice, they became more flexible in structure and would often extend beyond the coaching context and include our thoughts in relation to the culture of professional football and youth development as a whole.

### 222 Reflective Practice

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Reflective practice is an integral part of learning and development as it provides individuals with an opportunity to better understand themselves as both people and practitioners (Anderson, Knowles & Gilbourne, 2004) within the context in which they are situated (Nesti, Littlewood, O'Halloran, Eubank and Richardson, 2012). Furthermore, the development of self-awareness allows an individual to recognise and understand their own beliefs and values (Thompson & Pascal, 2012) and critically challenge these values in relation to their current practices (Knowles et al., 2001). However, the voice of the neophyte practitioner (Tonn & Harmison, 2004) is not well reflected within the literature. Despite recent attempts to fill this gap (Christensen & Aoyagi, 2015; Jones, Evans & Mullen, 2007; Rowley, Earle & Gilbourne, 2012; Williams & Andersen, 2012), there remains a lack of understanding regarding the diverse challenges a neophyte practitioner might experience within professional practice (Holt & Strean, 2001), especially when working alongside a professional coach. In that sense, the following sections include the reflections from the coach and neophyte SPP, written from a first-person perspective. These reflective accounts give an insight into the efficacy of the work as well as highlighting some of the challenges of applied sport psychology delivery within professional football.

### **Coach's Reflections**

Prior to this six-month journey, given my extensive coaching experience within a variety of professional football academies, I felt I already had a strong sense of who I was as a coach and of my coaching philosophy. I am a strong advocate that the role of an academy

coach is to facilitate the long-term holistic development of players and people. I aspire to create the right environment for my players, which fosters a positive coach-athlete relationship (Groom et al., 2011), prioritises development over performance and puts the player at the centre of everything that I do (Cushion & Jones, 2006). However, at some of the previous professional football clubs that I have worked, the coaching curriculum had been dominated by a technical and tactical focus. Whilst these areas are essential for the development of professional footballers, I felt as though the biggest areas in football were being missed – the social and psychological corners. The 'Advanced Youth Award' was the first course that moved away from the more traditional style of coaching and whilst I felt this was a step in the right direction, I wanted to place even more emphasis on the social and psychological corners of development within my everyday coaching (Werthner & Trudel, 2006). By utilising video-analysis equipment within my coaching practice at the club, I was able to see the connection I had with my players, as well as observe how integrating a psychosocial focus was positively contributing towards their development. It also provided me with the time and structure to reflect on my own coaching philosophy and practice, taking more of a long-term approach in relation to my own development and the development of my players. The questions posed to me and the different perspective this provided, encouraged me to try new things and take more risks within my coaching practice. Too often, because of the pressure of academy football, coaches are afraid to try new things (Cushion, Ford & Williams, 2012; Partington, et al., 2015). However, despite this pressure, it is vital to have a growth mind-set and be open to trying new things, in order to progress and develop as a coach (Abraham, Collins & Martindale, 2006). I believe that some coaches might have viewed a SPP with a camera as a threat. However, over the course of this six-month programme, Nick and I were able to build a strong professional relationship, based on trust and respect (Giges, Pepitas & Vernacchia, 2004), which gave me the confidence to adapt and

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develop upon my coaching practice. Nick became an integral part of the 'coaching team' and so successfully overcame the stereotypical view that the SPP wears a suit and tie, sits in an office and asks you how you are feeling!

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The reflective process that we engaged in whilst using the video-analysis equipment was effective in highlighting the strengths of my coaching delivery, as well as identifying aspects that needed to be adapted and changed (Knowles et al., 2001). Furthermore, by engaging in this process, I was able to see if my coaching philosophy transferred into the coaching context. Having every coaching session recorded, over a six-month period, essentially leaves you with 'nowhere to hide'. Therefore, this process made me aware of aspects of my coaching that I was not aware of before, such as the nature of the relationships I developed with my players and the environment I created for my players to learn in (Cassidy, Jones & Potrac, 2009). Moreover, the intervention itself acted as a vehicle for me to build stronger relationships with my players, which is central to my coaching philosophy and practice. It also encouraged me to ask more questions of myself, in relation to the long-term development of my players. Why were these sessions important? How did this approach align with my coaching philosophy? Gladly, overall, my coaching behaviours reinforced my coaching philosophy and gave me confidence that I was able to implement my values and beliefs in the coaching context on a regularly basis. On the occasions where there were contradictions between my philosophy and my coaching behaviours, the video footage clearly highlighted them and the opportunity I had to reflect on these moments, ensured they could be adapted the following day. Ultimately, I strongly believe that this intervention had a positive impact on my coaching. I was able to improve my self-awareness in relation to my coaching philosophy and practice, integrate a psychosocial focus within my sessions and as a result, focus on the holistic development of my players. The final game of the season, which marked the end of the six-month journey, resulted in our biggest win, against a very good

academy team. However, more importantly, we were able to see noticeable progression and development in both the players and myself as a coach.

### **SPP's Reflections**

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In the days leading up to the start of the placement, I was filled with two strong but contradictory feelings: confidence and anxiety. Given my coaching qualifications and experience, combined with my theoretical understanding of sport psychology literature, I had a strong sense of confidence in my ability to successfully meet the demands of the placement (Woodcock, Richards & Mugford, 2008). Furthermore, given the quality of my training up until this point, I had clear expectations of the potential challenges I would likely be presented with within this elite environment. However, I was also experiencing anxiety, common for neophyte practitioners engaging in applied practice (Tonn & Harmison, 2004; Collins, Evans-Jones & O'Connor, 2013). This was my first opportunity to transfer my knowledge into a practical setting and given my ambitions as a practitioner, I had begun to attach a huge amount of importance to this experience. Whilst my supervisor had made his expectations clear in relation to the delivery of the intervention, I still had ambitions to 'change the world' (Christensen & Aoyogi, 2015). The delivery of sport psychology services was in its infancy at the club and from my perspective; this placement gave me my first opportunity to 'prove' myself as a practitioner (Andersen &, 2007). Despite this and with the cautionary words of my supervisor still in the forefront of my mind, I was very aware that before I could successfully achieve anything, I first had to understand the environment in which I would be situated (Nesti et al., 2012). I approached the beginning of the placement in the knowledge that I needed to take my time, understand the culture of the club and build strong relationships with key stakeholders in order to provide a solid foundation for the development of the intervention.

It was in these early stages of the intervention that I began to truly understand and appreciate the importance of my coaching background. Whilst observation is a key element of an applied SPP's role (Larsen, 2017), essentially I was being asked to take on the role of an assistant coach within this context. Jamie made it very clear from the start that he wanted me alongside him, on the grass, to act as another set of eyes for his group of players, highlighting their strengths and weaknesses and contributing towards their overall holistic development. Therefore, it was essential for me to be adaptable (Collins et al., 2013), whilst also establishing and developing a clear practitioner identity (Tonn & Harmison, 2004). Whilst undertaking multiple roles within an applied setting is becoming more common within applied practice (Jones, Evans & Mullen, 2007), it did begin to have an impact on my ability to find a balance between my personal and professional lives (Williams & Andersen, 2012). Furthermore, whilst I was comfortable at this point to take on this flexible coach/SPP role, I did experience a strong sense of anxiety when providing Jamie with my view of his players' development needs. Despite my early confidence stemming from my coaching background, the pressure I was putting myself under to 'succeed' within this elite environment was causing me to second-guess myself (Aoyagi & Portenga, 2014). It was essential for me, especially in these early stages, to develop a strong working relationship with Jamie to ensure the success of the intervention and because of this I began to doubt my ability as a practitioner to provide Jamie with any information that would be useful in contributing towards his and his players' development. Jamie had a vast amount of experience coaching at a professional level and my knowledge and experiences in comparison to his left me feeling fraudulent (Andersen & Stevens, 2007). However, despite the self-doubt I was experiencing (Williams & Andersen, 2012), I was able to maintain a level of honesty in my assessment, which I firmly believe contributed towards the start of what would be a strong working

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alliance (Collins, et al., 2013) based on trust and respect (Giges, Pepitas & Vernacchia, 2004).

The more time I spent with Jamie, the more it was becoming apparent that we had very similar beliefs and values in relation to how we felt the culture and environment of professional football should 'look' and it wasn't long before the critical discussions we were having about the intervention, extended to the 'failings' of professional football as a whole. Jamie was and still is a very forward-thinking and open-minded individual, with a clear vision and determination to improve and develop as a coach. As a young aspiring neophyte practitioner, I could strongly relate to this approach of personal development and could see a number of similar qualities in myself. This connection, on both a personal and professional level, gave Jamie and me the opportunity to share our thoughts in a safe, critical and constructive way. It was during these quiet moments of reflection and discussion, which often involved my supervisor, that for the first time in my professional career I experienced a true sense of congruence (Lindsay, Breckon, Thomas & Maynard, 2007).

However, in complete contrast to this feeling of congruence, was the feeling that on some levels, the placement outcomes had failed to meet my own high expectations. Upon reflection, it became apparent to me that these two strong competing feelings stemmed from the same source: my developing philosophy as an applied practitioner (Poczwardowski, Sherman & Ravizza, 2004). As many neophyte practitioners do, I took inspiration from my supervisors, which undoubtedly had an influence on the development of my philosophy of practice as an applied practitioner (Tod, 2007). Both of my supervisors were strong advocates of the organisational approach a SPP can adopt in order to positively affect the culture of professional sporting organisations. Having had an opportunity to work closely with them and watch how this approach translates into professional practice, I too had aspirations to work from this organisational perspective.

However, despite the fact that the intervention had been a success in achieving its primary and secondary aims, I deemed myself to have had very little impact on the environment of the club. I had worked hard, not only facilitating reflection and supporting the integration of a psychosocial focus within the coaching context, but on creating an online platform that other coaches could use as a developmental tool. As the six-month period was coming to an end I could count on one hand the number of coaches that had accessed that online platform. My supervisor's input was crucial at this point (Holt & Strean, 2001) in helping me overcome these feelings of failure and inadequacy (Christensen & Aoyagi, 2015) and encouraging me to focus on the many positive outcomes of the intervention.

Delivering this intervention, as a neophyte practitioner within the often-volatile environment of professional football, was an extremely challenging and rewarding experience, which undoubtedly contributed towards my on-going development as a practitioner. Upon reflection, this applied experience, in such a short period, exposed me to situations that helped shape my philosophy of practice, challenged my identity as a practitioner and highlighted the importance of understanding the culture of a professional sporting organisation. Initially, it was perhaps my naivety in relation to the organisational culture of the club and my unrealistic expectations about the outcome of the intervention, which contributed towards feelings of failure and inadequacy. I soon came to realise, in line with the experiences of other SPP that having a professional philosophy is not enough in applied practice and the role of a SPP is to understand how this philosophy can adapt and fit into the wider context (Larson, 2017). At this point in my career and in such a short space of time, it was beyond my capabilities as a neophyte practitioner to change the culture of the football club. However, I believe I was able to create smaller significant changes within the boundaries of the designed intervention. By integrating video-analysis feedback, particularly within the early stages, I was able to build strong relationships (Ives et al., 2002) with key

stakeholders, which gave me a platform to engage in critical discussion throughout my time at the club. Combining my coaching experience with my understanding on sport psychology literature allowed me to develop a fluid practitioner identity within this context. The multiple roles I adopted throughout my time at the club ensured the aims of the intervention were met; Jamie was provided with an opportunity to increase his self-awareness in relation to his coaching practice, a psychosocial focus was successfully integrated within the coaching context and the holistic development of the players was considered.

399 Conclusion

The primary aim of this six-month coach education programme was to improve the self-awareness of the coach by utilising video-analysis feedback, within the coaching context, to encourage reflection upon his coaching philosophy. In addition to this, the secondary aim of the intervention was to integrate a psychosocial focus within the coaching context, in order to focus on the holistic long-term development of the players. As highlighted in the above reflections, both the SPP and the coach reflected positively on the efficacy of the intervention, believing it to have been successful in meeting the primary and secondary aims within the six-month period. Key to the success of the intervention, discussed by both practitioners, was the professional relationship developed between the SPP and the coach. It is becoming more common, within applied sport psychology practice, for the SPP to work collaboratively with the coach (Sharp & Hodge, 2013), as opposed to working directly with the athlete. In order for this work to be effective, the SPP must take the time to understand the individual needs of the coach and focus on building a strong professional relationship (Giges, Pepitas & Vernacchia, 2004). The SPP must be flexible in their approach to the consultancy experience and needs to demonstrate an ability to be able to embed themselves within the

culture of the club (Sharp & Hodge, 2013). The use of technology throughout this intervention, not only provided the SPP with the opportunity to achieve this, but also was integral in facilitating the reflective process. Rather than breaking the coaching process down into measurable behaviours, this intervention encouraged the coach to reflect on the video-analysis feedback as a whole, considering the influence they had on the environment coaching process. The structure of the reflections (Knowles et al., 2001), which were facilitated by the SPP, ensured that the coach had the opportunity to explain their coaching behaviours and as a result this intervention was able to closely consider the interaction between coaching behaviours and the decision making process (Cushion et al., 2012).

In this new and advanced technological age, SPPs should strongly consider the use of video-analysis equipment within their applied practice with coaches. Whilst integrating technology within applied practice can be time-consuming, it acts as a vehicle to be able to build strong relationships (Ives, Straub & Shelley, 2002) and is perhaps one method of providing 'proof' that the SPP is positively impacting on development and performance within the sporting organisation. The development of coach education programmes should be developed within the context in which they will be delivered and utilise the video-analysis feedback to view the coaching process as a whole. Ultimately, this approach to applied sport psychology support can be extremely effective and is often well received within elite sporting environments.

435 References

Abraham, A., Collins, D., & Martindale, R. (2006). The coaching schematic: Validation

through expert coach consensus. *Journal of Sports Sciences*, 24(6), 549–564.

doi:10.1080/02640410500189173

462 Cope, E., Partington, M., Cushion, C. J., & Harvey, S. (2016). An investigation of profession al top-level youth football coaches' questioning practice. Qualitative Research in Sport, Exer 463 cise and Health, 8(4), 380-393. doi:10.1080/2159676x.2016.1157829 464 465 Cushion, C. (2007). Modelling the Complexity of the Coaching Process. *International Journa* 466 l of Sports Science & Coaching, 2(4), 395–401. doi:10.1260/174795407783359650 467 468 Cushion, C., & Jones, R. L. (2006). Power, Discourse, and Symbolic Violence in Professional 469 Youth Soccer: The Case of Albion Football Club. Sociology of Sport Journal, 23(2), 142–161 470 . doi:10.1123/ssj.23.2.142 471 472 473 Cushion, C., Ford, P. R., & Williams, A. M. (2012). Coach behaviours and practice structures in youth soccer: Implications for talent development. Journal of Sports Sciences, 30(15), 163 474 1-1641. doi:10.1080/02640414.2012.721930 475 476 477 Cushion, C., Harvey, S., Muir, B., & Nelson, L. (2012). Developing the Coach Analysis and I ntervention System (CAIS): Establishing validity and reliability of a computerised systematic 478 479 observation instrument. Journal of Sports Sciences, 30(2), 201–216. doi:10.1080/02640414.2 480 011.635310

- 482 Giges, B., Petitpas, A. J., & Vernacchia, R. A. (2004). Helping Coaches Meet Their Own
- Needs: Challenges for the Sport Psychology Consultant. The Sport Psychologist, 18(4), 430–
- 484 444. doi:10.1123/tsp.18.4.430

485

- 486 Groom, R., Cushion, C., & Nelson, L. (2011). The delivery of video-based performance analy
- sis by England youth soccer coaches: towards a grounded theory. *Journal of applied sport ps*
- 488 *ychology*, 23(1), 16-32. doi:10.1080/10413200.2010.511422

489

- 490 Harvey, S., Cushion, C. J., & Massa-Gonzalez, A. N. (2010). Learning a new method: Teachi
- ago and sport pedagogy, 1 ng Games for Understanding in the coaches' eyes. Physical education and sport pedagogy, 1
- 492 5(4), 361-382. doi:10.1080/17408980903535818

493

- Harwood, C. (2008). Developmental consulting in a professional football academy: The 5Cs
- coaching efficacy program. *The Sport Psychologist*, 22(1), 109-133. doi:10.1123/tsp.22.1.109

- 497 Harwood, C. G., Barker, J. B., & Anderson, R. (2015). Psychosocial Development in Youth S
- occer Players: Assessing the Effectiveness of the 5Cs Intervention Program. *The Sport Psych*
- 499 *ologist*, 29(4), 319-334. doi:10.1123/tsp.2014-0161
- Holt, N. L., & Strean, W. B. (2001). Reflecting on Initiating Sport Psychology Consultation:
- A Self-Narrative of Neophyte Practice. *The Sport Psychologist*, 15(2), 188–204. doi:10.1123/
- 502 tsp.15.2.188

Ives, J. C., Straub, W. F., & Shelley, G. A. (2002). Enhancing Athletic Performance Using Di

gital Video in Consulting. Journal of Applied Sport Psychology, 14(3), 237–245. doi:10.1080

/10413200290103527

Jones, L., Evans, L., & Mullen, R. (2007). Multiple Roles in an Applied Setting: Trainee Spor

t Psychologist, Coach, and Researcher. The Sport Psychologist, 21(2), 210–226. doi:10.1123/

tsp.21.2.210

511

513

Knowles, Z., Gilbourne, D., Borrie, A., & Nevill, A. (2001). Developing the Reflective Sport

s Coach: A study exploring the processes of reflective practice within a higher education coac

514 hing programme. *Reflective Practice*, 2(2), 185–207. doi:10.1080/14623940123820

515

516

517

518

Larsen, C. H. (2017). Bringing a knife to a gunfight: A coherent consulting philosophy might

not be enough to be effective in professional soccer. Journal of Sport Psychology in Action, 8

(2), 121–130. doi:10.1080/21520704.2017.1287142

519

Leduc, M., Culver, D. M., & Werthner, P. (2012). Following a coach education programme:

Coaches' perceptions and reported actions. Sports coaching review, 1(2), 135-150.

522

- Lindsay, P., Breckon, J. D., Thomas, O., & Maynard, I. W. (2007). In Pursuit of Congruence:
- 524 A Personal Reflection on Methods and Philosophy in Applied Practice. *The Sport Psychologi*
- 525 *st*, 21(3), 335–352. doi:10.1123/tsp.21.3.335

526

- Lyle, J., & Cushion, C. (2010). Sports Coaching E-Book: Professionalisation and Practice.
- 528 Elsevier Health Sciences.

529

- Mackenzie, R., & Cushion, C. (2013). Performance analysis in football: A critical review and
- implications for future research. *Journal of Sports Sciences*, 31(6), 639–676. doi:10.1080/026
- 532 40414.2012.746720

533

- Mallett, C. J., Trudel, P., Lyle, J., & Rynne, S. B. (2009). Formal vs. Informal Coach Educati
- on. International Journal of Sports Science & Coaching, 4(3), 325–364. doi:10.1260/174795
- 536 409789623883

- Nelson, L. J., Cushion, C. J., & Potrac, P. (2006). Formal, Nonformal and Informal Coach Le
- arning: A Holistic Conceptualisation. *International Journal of Sports Science & Coaching*, 1(
- 540 3), 247–259. doi:10.1260/174795406778604627
- Nelson, L. J., & Groom, R. (2012). The analysis of athletic performance: some practical and
- philosophical considerations. Sport, Education and Society, 17(5), 687–701. doi:10.1080/135
- 543 73322.2011.552574

545	Nesti, M., Littlewood, M., O'Halloran, L., Eubank, M., & Richardson, D. (2012). Critical Mo
546	ments in Elite Premiership Football: Who Do You Think You Are? Physical Culture and Spo
547	rt. Studies and Research, 56(1). doi:10.2478/v10141-012-0027-y
548	
549	Partington, M., & Cushion, C. (2013). An investigation of the practice activities and coaching
550	behaviors of professional top-level youth soccer coaches. Scandinavian Journal of Medicine
551	& Science in Sports, 23(3), 374–382. doi:10.1111/j.1600-0838.2011.01383.x
552	
553	Partington, M., Cushion, C. J., Cope, E., & Harvey, S. (2015). The impact of video feedback
554	on professional youth football coaches' reflection and practice behaviour: a longitudinal
555	investigation of behaviour change. Reflective Practice, 16(5), 700–716.
556	doi:10.1080/14623943.2015.1071707
557	
558	Poczwardowski, A., Sherman, C. P., & Ravizza, K. (2004). Professional Philosophy in the
559	Sport Psychology Service Delivery: Building on Theory and Practice. The Sport
560	Psychologist, 18(4), 445–463. doi:10.1123/tsp.18.4.445
561	
562	Reeves, M. J., & Roberts, S. J. (2013). Perceptions of performance analysis in elite youth
563	football. International Journal of Performance Analysis in Sport, 13(1), 200-211.

Relvas, H., Littlewood, M., Nesti, M., Gilbourne, D., & Richardson, D. (2010). Organization 565 al Structures and Working Practices in Elite European Professional Football Clubs: Understa 566 nding the Relationship between Youth and Professional Domains. European Sport Managem 567 568 ent Quarterly, 10(2), 165-187. doi:10.1080/16184740903559891 569 Rowley, C., Earle, K., & Gilbourne, D. (2012). Practice and the process of critical learning: 570 Reflections of an early stage practitioner working in elite youth level rugby league. Sport & 571 Exercise Psychology Review, 8(2), 35-50. 572 573 Sharp, L.-A., & Hodge, K. (2013). Effective Sport Psychology Consulting Relationships: 574 Two Coach Case Studies. The Sport Psychologist, 27(4), 313–324. doi:10.1123/tsp.27.4.313 575 576 The Premier League (2011). Elite Player Performance Plan. London: The Premier League. 577 578 Thompson, N., & Pascal, J. (2012). Developing critically reflective practice. Reflective Practi 579 580 ce, 13(2), 311–325. doi:10.1080/14623943.2012.657795 581 Tod, D. (2007). The Long and Winding Road: Professional Development in Sport Psycholog 582 y. The Sport Psychologist, 21(1), 94–108. doi:10.1123/tsp.21.1.94 583

604	Appendix
603	
602	
601	doi:10.1080/17408980701610201
600	mes centred approaches to teaching. <i>Physical Education &amp; Sport Pedagogy</i> , 12(3), 273–287.
599	Wright, J., & Forrest, G. (2007). A social semiotic analysis of knowledge construction and ga
598	
597	2.4.491
596	ophyte Professional Development. <i>The Sport Psychologist</i> , 22(4), 491–506. doi:10.1123/tsp.2
595	Woodcock, C., Richards, H., & Mugford, A. (2008). Quality Counts: Critical Features for Ne
594	
593	of Sport Psychology in Action, 3(2), 139–152. doi:10.1080/21520704.2012.683090
592	rring: The Mindful Psychologist on the Way to the Olympic and Paralympic Games. <i>Journal</i>
591	Williams, D. E., & Andersen, M. B. (2012). Identity, Wearing Many Hats, and Boundary Blu
590	
589	oaches Learn to Coach. The Sport Psychologist, 20(2), 198–212. doi:10.1123/tsp.20.2.198
588	Werthner, P., & Trudel, P. (2006). A New Theoretical Perspective for Understanding How C
587	
586	ticum Experience. The Sport Psychologist, 18(3), 324–340. doi:10.1123/tsp.18.3.324
585	Tonn, E., & Harmison, R. J. (2004). Infown to the Wolves: A Student's Account of Her Prac

#### Playing out from the back and Confidence Learning Objective: To keep the ball safe side when turning To keep the ball safe side when dribbling with both feet against pressure To demonstrate confidence under pressure **Psychological** Physical Social Tactical ) lift eves in possession 1) Confidence 1) Tempo 1) Teamwork 1) Team Shape 2) Rotations / Space receive back foot Size of Area / Rest Encouragement Turning 1v1 SSG Arsenal Football Technical Unopposed Turning Turning Boxes 7v7 Learning objectives: Confidence Learning objectives: Learning objectives: 1) To keep the ball safe side when turning Learning objectives: 1) To keep the ball safe side when turning 1) To keep the ball safe side when turning 2) Type of turn (Set turns: Step Over, Drag 1) Encourage players to have a forward 2) Type of turn (Set turns: Step Over, Drag 2) Type of turn (Set turns: Step Over, Drag back, Stop Turn) thinking mentality. back, Stop Turn) back, Stop Turn) 3) End product final pass Players are encouraged to 2) Recognise space. (Drive / Pass) 3) End Product (Pass to inside player) 3) End Product (Pass to inside player) identity role models at the start 3) Receiving skills (back Foot) Before Phase: Before Phase: Before Phase: of the session who demonstrate How can you hide the ball? What do elite dribblers do? How can you hide the ball? high levels of confidence Be confident to try new skills Try to support team mates so that they can Be confident to try new skills Be confident to try new skills play forwards. During Phase: The coach provides consistent During Phase: During Phase: Communication During Phase: Lift eyes where is space to play into. Lift eyes where is space to play into. praise to both effort and Turning skill How many touches do you need to play Communication with player that you are going Communication with player that you are going forward? achievement to work with. to work with. After Phase: Decision making (Risk Taker) Turning skill Turning skill What did you do well? Pass selection (weight) Each individual player is Turning skill what skills did you select? Dribble (keep ball safe side) After Phase: After Phase: encouraged to set themselves a What did you do well? What did you do well? Session description: After Phase: target to achieve for the session Turning skill what skills did you select? To lift eyes to recognize space Both feeders play square first then play into Support play Turning skill what skills did you select? Communication Session description: Red must then turn and play a pass in to the Coach attempts to create a 'no Inside players start with a ball each Session description: opposite feeder. Session description: fear of failure' environment, by Outside players without a ball Normal game except to score a goal you must Feeder plays square. 7v7 SSG Arsenal Football Inside players dribble out to swap positions complete a turn in a box. celebrating individuals that try Defenders stay in their half attacking players 2teams of 7 playing normal football, however with outside players, turn and pass to player The smaller the box the greater the reward? move from half to half the rules are that any backwards or side wards new things and make mistakes that they swapped with. passes can only be in 1 touch. If a player has more than 1 touch they must play forwards.

#### **Playing Through Midfield and Communication** Learning Objective: To make a run to create space for partner To be able to rotate/interchange to receive Demonstrate effective communication Psychological Physical Social Tactical 1) Communication 1) Movement to create space 1) Teamwork 1) Overloads 2) Weaker foot challenges 2) Size of Area / Rest Encouragement 2) Team shape Diamond Play around Midfield Combination 3 Zone Game Communication Learning objectives: Learning objectives: Learning objectives: 1) Back foot receiving / Both feet 1) Movement to receive in a diamond 1) Scan before receiving 2) To play in limited touches 2) Weight of pass (detail of pass) 2) Recognise space to drive into Whiteboard used at the start of 3) Receiving skills 3) Supporting Run 3) Keep ball safe side the session to highlight the Before Phase: Before Phase: Before Phase: different types of communication How can you find space for yourself Where is your space before you receive? How can you find space for yourself? and why they are important Body shape to receive (Open) Scanning? Ball Familiarity / Do we only scan of one shoulder? During Phase: During Phase: What are we scanning for? How many touches do you need to play Multiple balls used at times Functional and How many touches do you need to move the within the sessions to create ball on? Decision making (Risk Taker) 'chaos' and encourage more Pass selection (weight) What can help you? Who can help you? RWTB (keep ball safe side) conditioning Passing techniques Movement after pass detailed communication Receiving players trigger to move of the cone After Phase: After Phase: Support play 'Silent Soccer' to further After Phase: What did you do well? Communication Communication Did you manage to use all receiving skills? highlight the importance of Speed to follow pass / rotate Session description: communication 3 Zone Game Play through thirds Session description: Session description: Red plays into yellow diamond. Yellow GK starts the play diamond combines and plays through into final Player moves the ball around the outside of the Players can pass into next zone or safety diamond. (Progression 2 balls) Middle square possession link play every 4 If ball is played into safety zone player is Blue then play through yellow diamond. Progression all yellows must touch the ball Unopposed for 3 seconds. minutes the groups rotate. quick play combinations, rotation before next attack, 3rd man run to support front players.

#### Playing in the Final Third and Control Learning Objective: To be able to shoot accurately with the instep and laces from 10-15m with both feet under pressure To use a variety of shots accurately with a high level of success To maintain emotional control throughout the session, under pressure **Psychological** Physical Social Tactical ) Distances in attacking situations 1) Control 1) Movement to create space 1) Teamwork 1) Overloads 2) Encouragement 2) Team shape ) Weaker foot challenges Size of Area / Rest Transition Waves DNA 3 Ball Finishing Shooting Wars Control Learning objectives: Learning objectives: Learning objectives: 1) To be able to shoot accurately with the 1) Movement to get free 1) To be able to shoot accurately with the instep and laces 10-15 yards out with both feet instep and laces 10-15 with both feet under 2) Detail of space in front Whiteboard used at the start of under pressure. pressure 3) Recognize overload the session to identify positive To use a variety of shots To have accuracy with a high level of shots 4) Transition (nearest man closes the ball 2) To use a variety of shots accurately with a high level of success and negative emotions 3) To recognize where and when to use an associated with performance Before Phase: Before Phase: overload Correct body position How big can we make the space? Before Phase: Competition is created During Phase: Think about different shooting techniques between groups in an attempt Can you accurately shoot at goal? Body shape to play forward to create pressure situations What shooting techniques could you use? Where is the overload? During Phase: Functional and Accuracy After Phase: After Phase: Movement after first shot The pace of the session, leads Reactions / follow up What did you do well? Rebounds Conditioning to mistakes, which tests the Movement to receive a new ball To lift eyes to recognize space Shot selection players ability to overcome Session description: After Phase: Session Description: adversity Yellow will shoot first in the middle. Green plays against yellow. When green score Support play red drive out, yellow switch with red and green Then from the right first red will supply a cross Communication react to the transition quickly. into the goal area. Blue defenders will match Players set challenging, If red score then they will play against blue. the amount of yellow attackers. Session description: individual goals (number of 3rd ball will be played in by the coach. Green would switch with blue. Two teams players are locked into 2 zones. goals to score) at the start of Progression: As soon as 3rd ball has been played run back Double goals are scored from back zone or and start again each team will get 3 minutes to Each team can be timed in possession. Score from a rebound of GK. the session will be kept, every goal gets a point. score as many goals as they can. Players are rotated every 4 minutes. (work as a team one player switching off could cost the team, which could result in lots of running and pressing)

#### Transitions and Concentration Learning Objective: Movement with and without the ball Receiving skills in transition from defense to attack Ability to identify key triggers for the transition Technical Psychological Physical Social Tactical 1) Overloads Speed of recovery runs 1) Teamwork 1) Distances in attacking situations 1) Concentration Weaker foot challenges Size of Area / Rest 2) Encouragement 2) Team shape Figure 8 Passing Sweat Box Square Transition SSG 4v4 Transition Game Concentration Learning objectives: Learning objectives: Learning objectives: Learning objectives: 1) React quickly to transition defending 1) Quick Transition 1) Detail of pass 1) Recovery runs 2) Security behind ball 2) Receiving skills 2) Get close to the radar Consistently encourages the 2) Desire 3) Weight and Accuracy 3) Hard to beat in a 1v1 situation 3) Recovery Runs 3) Work Ethic player to focus his attention both 4) Passing Channels Before Phase: on and off the ball (scanning) Before Phase: Before Phase: Before Phase: Which teams break quickly? How can you find space for yourself? What passing techniques will you use? What do elite defenders do? In each session, there were Be confident! During Phase: During Phase: aspects that could distract the During Phase: Quick reactions Team strategy? How many touches do you need to play quickly During Phase: Where am I on the pitch? player and so they had to When driving out with the ball recognition of and accurately? Desire not be beaten! overloads recognise and attend to the Weight and accuracy of pass. Brave After Phase: correct cues at the right time End product. Recognition of overloads in After Phase: After Phase: After Phase: possession. Support play Recovery runs win the ball back out of What did you do well? Support play Communication Game related practices require Communication How did you hold the attacking player up? possession the players to focus on aspects Session description: Session description: Session description: Session description: specific to their position 4v4 game on a small pitch with GK's Blue make at least 10 passes if they do they Figure 8 Passing First player runs with the ball if he beats the As soon as a goal is scored then the scorer 1 passes to 2, 2 passes to 3, 3 will then punch middle man, a player from the side will then can break out and score. must go and switch with a man on the outside. The 'chaos' created within the attack. Middle man must be switched on and pass to opposite colour. If red intercept they look to link up with red an Players on the outside can be used as bounce yellow to create an 8v4 against blue. Players will change sides after set time so that show concentration. sessions, means that players players. they can work on weaker foot. On the 12th pass blue or yellow can have a If numbers are not correct for 4v4 then extra have to respond quickly to Progression: different type of pass. shot at goal players can be added to play in wide areas. transitions and mistakes made Chip, lofted, driven, Blue will hunt as a four to win possession back. Players can be rotated every 4minutes If blue win possession they get the chance to score. Bibs removed at times to further encourage players to scan and be aware of their environment

#### **Defending and Commitment** Learning Objective: To be patient when defending in 1v1 situations To mirror opponents feet To maintain effort throughout the session, despite fatigue, failure or mistakes Tactical Technical Psychological Social Physical 1) Commitment 1) Pressing 1) Teamwork 1) Team Shape 2) Size of Area / Rest 2) Encouragement 2) 1 goes we all go Heading skittles 3v3 or 4v4 Heading Defensive Awareness SSG Defending Outnumbered Commitment Learning objectives: Learning objectives: Learning objectives: Learning objectives: 1) Work your feet to get in line to head the ball 1) Work your feet to get in line to head the ball 1) Pressing lines and shapes (Nike Tick) 1) Team shape 2) To use arms, neck, shoulders to head 2) To use arms, neck, shoulders to head 2) Distances 2) Recognize space through the ball with your forehead through the ball with your forehead 3) Adjust as ball moves 3) Recognize overload situations Players' effort is consistently 3) To show a mentality to head the ball in free 3) To show a mentality to head the ball in free 4) Drop on kicking foot going back rewarded throughout the session Before Phase: Before Phase: How can you find space for yourself? Before Phase: Before Phase: What do elite defenders do? Individual players are set What do elite players do when they Head the What do elite players do when they Head the Be confident! During Phase: specific and challenging targets When you have the extra player how can you ball? ball? use the overload? During Phase: within the session to encourage During Phase: Commitment not be beaten! When you don't have the extra player what will During Phase: persistent effort Encourage attacking headers, concentrate on Encourage attacking headers, concentrate on your team shape be? heading the ball down. heading the ball down. After Phase: After Phase: Which is the best goal to score in? What did you do well? Mistakes are acknowledged as After Phase: Support play an opportunity to learn What part of your head made contact with the After Phase: Session description: Communication What did you do well? Practice starts with ball fed into 4v2 by T What part of your head made contact with the Individual challenges set throughout the Role models are identified so the Session description: Can blue retain possession in end zone. session by the coach focusing on the individual players know what commitment One player will be standing behind the balls he If blue make 3 passes they can decide to either players targets and key learning objectives. 'looks like' will feed the ball to a player to head down to try Session description: break out and run through a gate or clip a ball and knock a ball off. One team will start with the ball as a team they into one of the three boxes. Defenders must be Session description: Relay game first team to knock all balls off will try and move the ball up the pitch. To score ready to either intercept attacking player or One team plays with 1 less player to wins. you can score through the cones or into the drop to intercept lofted passes. If red intercepts encourage consistent commitment, despite goal. Players will come up with their scoring they can play back into end zone or make long adversity system for this. passes into the goal.