

WEEK 41 from Monday 7th to Sunday 13th of October Macrocycle IV, week 1 (Training week 19)

Mon. 7th: * Act. Rec. - 50' recovery session in a fitness centre, incl. static stretching. Tr. 70

Tue. 8th: * Low Int. - 5' jogging slowly building up to 70% HR_{max} (+ 1 km).

Tr. 71

* Warm up - 20' jogging, mobilisation and dynamic stretching.

* Functional Tr. - 3 sets of 4' each (1' rest between Sets)

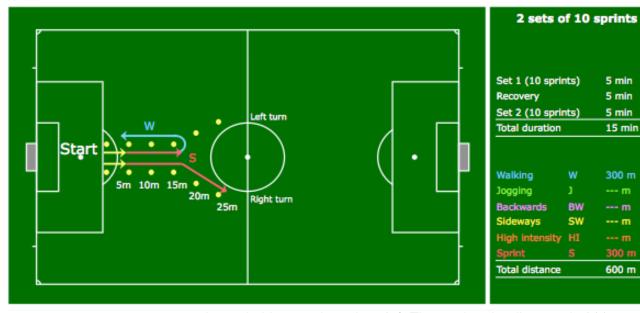
https://www.youtube.com/watch?v=irvP0vuEMk4

* Speed/Agility - short sprints from a dynamic position (heel lifts, knee lifts,...).

- Set 1 (right turn): (2 x 5m) - (2 x 10 m) - (2 x 15 m) - (2 x 20 m) - (2 x 25 m)

- 5' recovery

- <u>Set 2 (left turn):</u> (2 x 5m) - (2 x 10 m) - (2 x 15 m) - (2 x 20 m) - (2 x 25 m)



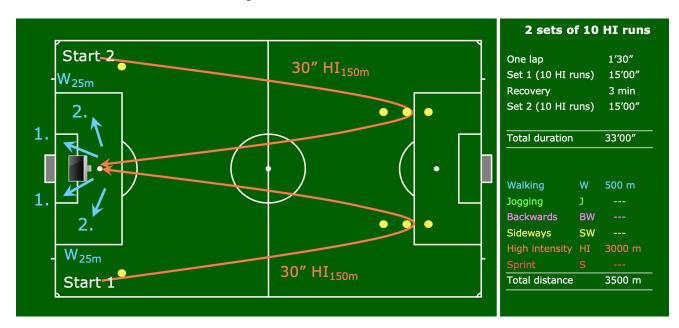
- In total, this exercise takes 15'. The total sprint distance is 300 m.
- * High Int. High intensity interval run in combination with decision making

<u>Set 1:</u> From start 1 & 2, run at high intensity to the other penalty area, turn around the cone (a beep signal is given for the timing) and return at the same pace to the penalty area (150 m in total in 30 sec). Watch carefully the incident on a big screen. Then walk to your coach to report



the technical and disciplinary decision. Finally, walk back to the starting position and repeat these 10 to 12 times. No talking allowed with partner.

- 3' recovery
- Set 2: Same as set 1, however, we start on the opposite starting position to turn on the other shoulder.
- Perception & decision making: Following each run, there is a challenging incident shown on a big screen. You will first see an overview followed by a close-up. You need to take a technical and disciplinary decision.
- Depending of the fitness level, referees can run towards the shortest or longest distance.



- * High Int. ARs - Yo-Yo based exercise as follows (by preference on natural grass):

 - 2 shuttles x 50 m @ high speed (50 m turn L 50 m) in 21"
 - 21" recovery walk (10 m)
 - 10 reps in total
 - 3' recovery



- 2 shuttles x 50 m @ high speed (50 m turn L 50 m) in 20"
- 20" recovery walk (10 m)



- 10 reps in total
- Altogether, this exercise takes 15'20"
- 2000 m of high-intensity running, 200 m walking, 20 turns in total
- Take care to take each turn on a different foot so that you turn alternatively on your left and right shoulder!
- * Cool down
- 5' jogging and walking, followed by 10' static stretching.

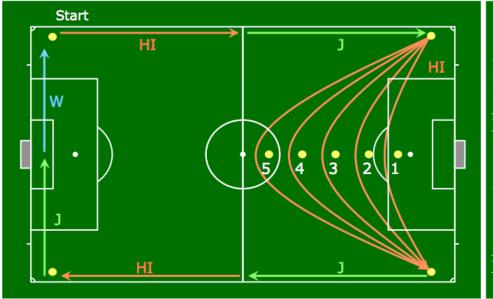
Total duration: 91' & 85'

Wed. 9th:

Rest day / Complementary strength and/or injury prevention training

Thu. 10th: Tr. 72

- * Low Int.
- 5' jogging slowly building up to 70% HR_{max} (± 1 km).
- * Warm up
- 20' jogging, mobilisation and dynamic stretching.
- * Strength
- 15' strength, core stability and injury prevention exercises.
- * High Int.
- Set 1: Referees perform 5 laps
- From the start, run at the appropriate intensity around the pitch.
- However, on lap 1 run around cone 1, and so on up to cone 5 on lap 5, thus increasing the run distance with each subsequent lap.
- The running should be $\frac{3}{4}$ pace (the HR that it will elicit should be 85-94%HR_{max}).
- 2' recovery



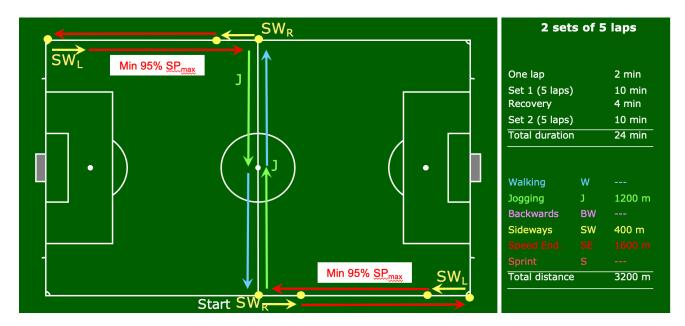
2 sets of 5 laps			
One lap		±2 min	
Set 1 (5 laps)		10 min	
Recovery		4 min	
Set 2 (5 laps)		10 min	
Total duration		± 24 min	
Walking	w	300 m	
Jogging	J	1300 m	
Backwards	BW		
Sideways	SW		
High intensity	ΗI	1800 m	
Sprint	s		
Total distance		3400 m	

- Set 2:
- However, on lap 1 start with cone 5, and on lap 5 finish with cone 1, thus decreasing the run distance with each subsequent lap.
- This exercise takes ± 22' (10' Set 1 + 2' recovery + 10' Set 2).



* SE for ARs

- While the referees perform their 2 sets of the HI exercise, the next SE exercise can be considered for the assistant referees.
- Set 1: Run 5 laps as indicated
- 4' recovery
- Set 2: Run again 5 laps as indicated



- * Match
- 10' of match play or 10' of medium-intensity jogging (80% HR_{max}).
- * Cool down
- 5' jogging and walking, followed by 10' static stretching.

Total duration: 87'

Fri. 11th:

Sat. 12th: Tr. 73

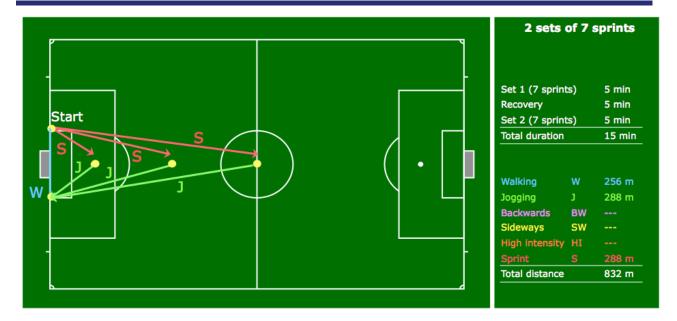
* Warm up

* Speed

Rest day / Complementary strength and/or injury prevention training

- 20' jogging, mobilisation and dynamic stretching.
- Set 1:
- 1) 11 m sprint, 11 m jogging, walking to the start, 4 reps
- 2) 25 m sprint, 25 m jogging, walking to the start, 2 reps
- 3) 50 m sprint, 50 m jogging, walking to the start, 1 rep
- 5' recovery and stretching
- Followed by a 2nd Set of 7 sprints.





- The total exercise time is 15'. The total sprint distance is 288 m.
- * Cool down 5' jogging and walking, followed by 10' extensive stretching.

Total duration: 50'

Sun. 13th: If you don't have a match appointment for the domestic league, use your free time for additional recovery, or to work on any fitness weaknesses you might have (e.g., aerobic endurance, strength, injury prevention,...). On the UEFA Ref Network, there are also 3 different match simulation exercises in case you are VAR or 4th official to compensate for not being physically involved in the game.



WEEK 42 from Monday 14th to Sunday 20th of October Macrocycle IV, week 2 (Training week 20)

Mon. 14th: * Act. Rec. Tr. 74

- 50' recovery session in a fitness centre, incl. static stretching...

Tue. 15th: Tr. 75

* Low Int.

- 5' jogging slowly building up to 70% HR_{max} (\pm 1 km).

* Warm up

- 20' jogging, mobilisation and dynamic stretching.

* Functional Tr.

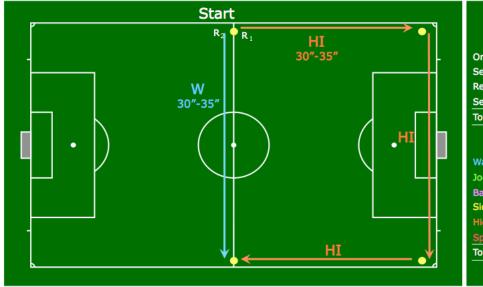
- 3 sets of 4' each (1' rest between Sets)

https://www.youtube.com/watch?v=ov91YQWISFg

* High Int.

- Set 1: Referee 1 performs a HI run clockwise from the midline to the corner flag, then across the goal line to the other corner flag, and finally to the other side of the midline. In the meantime, Referee 2 has to cross the midline by walking or jogging. He has to arrive at the other side when Referee 1 arrives. When they meet, their roles change, i.e. Referee 2 performs a HI run counter-clockwise the same trajectory, while Referee 1 recovers by walking / jogging back to the starting position. The second set of the HI-runs starts on the other side of the field so that referees have to take the turns on the other shoulder. Altogether this exercise is done 5 full laps, or 10 HI-runs for each of the referees.

Altogether, this first run takes + 10' (1600 m HI running alternated with 600 m recovery for each referee).





- 2' recovery
- Set 2: perform another 5 full laps (or 10 HI-runs for each).
- Altogether this exercise takes <u>+</u> 22'. (10' Set 1 + 2' recovery + 10' Set 2)



* Cool down - 5' jogging and walking, followed by 10' static stretching.

Total duration: 77'

Wed. 16th: Rest day / Complementary strength and/or injury prevention training

Thu. 17^{th} : * Low Int. - 5' jogging slowly building up to 70% HR_{max} (\pm 1 km). Tr. 76

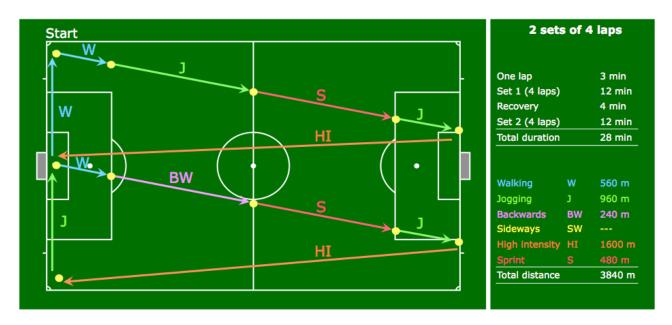
* Warm up - 20' jogging, mobilisation and dynamic stretching.

* Strength - 15' strength, core stability and injury prevention exercises.

* High Int. - Submaximal Yo-Yo from the start until 15:8 for Referees and ARs.

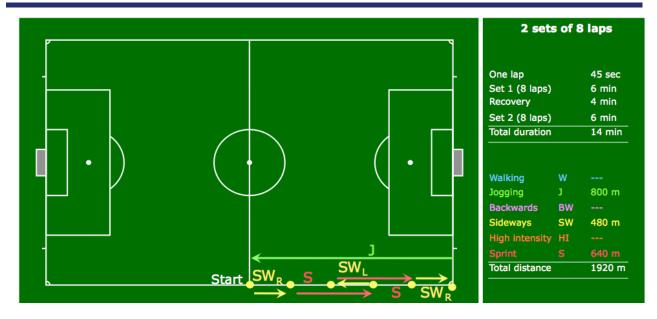
* Speed End. - Field exercise: Set 1: 4 laps of ± 3' each.

- 4' recovery



- Field exercise: Set 2: again 4 laps of + 3' each.
- Altogether this exercise takes ± 28'. (12' Set 1 + 4' recovery + 12' Set 2)
- * SE for ARs While the referees perform their 2 sets of the SE exercise, the next SE exercise can be considered for the assistant referees.





* Cool down

- 5' jogging and walking, followed by 10' static stretching.

Total duration: 93'

Fri. 18th:

Rest day / Complementary strength and/or injury prevention training

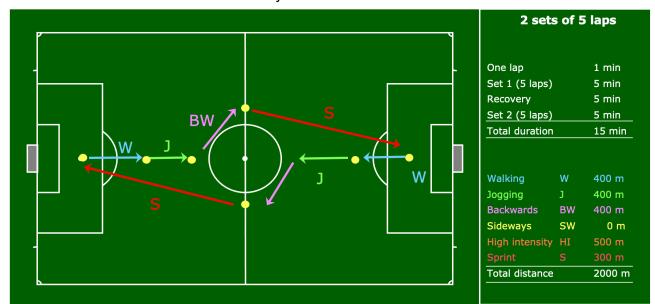
<u>Sat. 19th:</u> * Warm up Tr. 77

- 20' jogging, mobilisation and dynamic stretching.

* Speed

- Set 1: Centre circle sprint, 5 x from start to finish (5').

- 5' recovery



- Set 2: Centre circle sprint, 5 x from start to finish (5').
- The total exercise time is 15'. The total sprint distance is 360 m.



* Cool down - 5' jogging and walking, followed by 10' static stretching.

Total duration: 50'

Sun. 20th: additional recovery, or to work on any fitness weaknesses you might have (e.g., aerobic endurance, strength, injury prevention,...). On the UEFA Ref Network, there are also 3 different match simulation exercises in case you are VAR or 4th official to compensate for not being physically involved in the game.



WEEK 43 from Monday 21st to Sunday 27th of October Macrocycle IV, week 3 (Training week 21)

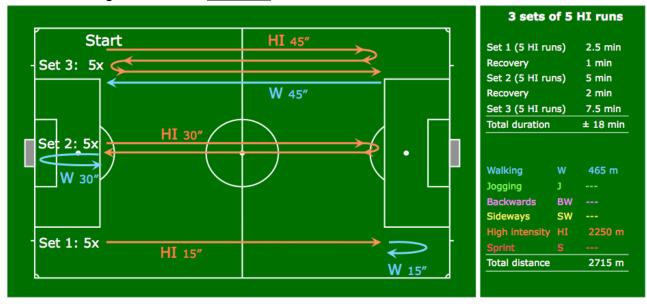
Mon. 21st: * Act. Rec. - 50' recovery session in a fitness centre, incl. static stretching. Tr. 78

Tue. 22nd: * Low Int. - 5' jogging slowly building up to 70% HR_{max} (± 1 km). Tr. 79

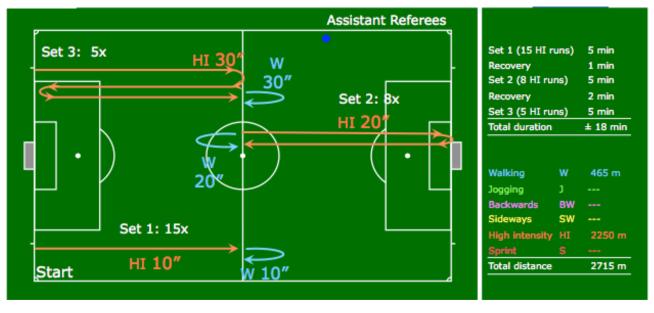
* Warm up - 20' jogging, mobilisation and dynamic stretching.

* Functional Tr. - 3 sets of 4' each (1' rest between Sets) https://www.youtube.com/watch?v=ghhfalmu4fk

* High Int. - Referees:



* High Int. - Assistant Referees:





- 2' recovery

* Match - 10' of match play or 10' of medium-intensity jogging (80% HR_{max})

* Cool down - 5' jogging and walking, followed by 10' static stretching.

Total duration: 85'

Wed. 23rd:

Rest day / Complementary strength and/or injury prevention training

Thu. 24th: Tr. 80 * Low Int.

- 5' jogging slowly building up to 70% HR_{max} (± 1 km).

* Warm up

- 20' jogging, mobilisation and dynamic stretching.

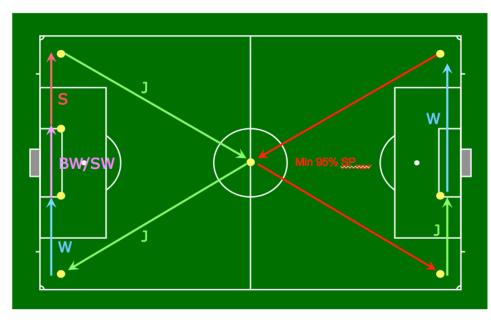
* Strength

- 15' strength, core stability and injury prevention exercises.

* Speed End.

- Set 1: Field exercise for both REFs and ARs, 5 laps of ± 2' each.

Each diagonal run is performed at minimum 95% SP_{max}.



2 sets of 5 laps			
One lap		2 min	
Set 1 (5 laps)		10 min	
Recovery		4 min	
Set 2 (5 laps)		10 min	
Total duration		24 min	
Walking	w	650 m	
Jogging	J	1400 m	
Backwards	BW	200 m	
Sideways	sw		
High intensity	HI		
Sprint		1450 m	
Total distance		3700 m	

- 4' recovery
- Set 2: Field exercise, 5 laps of + 2' each.
- Altogether, this exercise takes 24' (including recovery).
- * Match 10' of match play or 10' of medium-intensity jogging (80% HR_{max})
- * Cool down 5' jogging and walking, followed by 10' static stretching.

Total duration: 89'

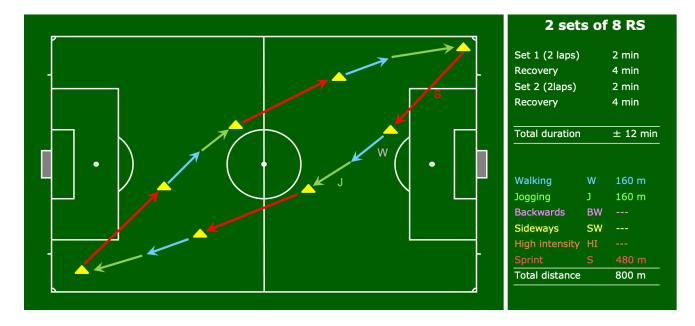
Fri. 25th:

Rest day / Complementary strength and/or injury prevention training



Sat. 26th Tr. 81

- * Warm up
- * Speed
- 20' jogging, mobilisation and dynamic stretching.
- Set 1: 2 laps that consist of 8 repeated sprints
- From the start, sprint 30m (4.5"), jog 10m and then walk 10m in 20".
- 4' recovery
- Set 2: again 2 laps of 8 repeated sprints



- The total exercise time is 12'. The total sprint distance is 480 m.
- * Cool down - 5' jogging and walking, followed by 10' static stretching.

Total duration: 50'

Sun. 27th: additional recovery, or to work on any fitness weaknesses you might have (e.g., aerobic endurance, strength, injury prevention,...). On the UEFA Ref Network, there are also 3 different match simulation exercises in case you are VAR or 4th official to compensate for not being physically involved in the game.



WEEK 44 from Monday 28th of October to Sunday 3rd of November Macrocycle IV, week 4 (Training week 22)

Mon. 28th: * Act. Rec. - 50' recovery session in a fitness centre, incl. static stretching..

Tr. 82

Tue. 29th: * Low Int. - 5' jogging slowly building up to 70% HR_{max} (+ 1 km).

Tr. 83

* Warm up - 20' jogging, mobilisation and dynamic stretching.

* Functional Tr. - 3 sets of 4' each (1' rest between Sets)

https://www.youtube.com/watch?v=G8ZaToDUXBM

* High Int. - Set 1: takes 12' (8' HI running & 4' recovery jogging)

- 20" at 90% HR_{max}, followed by 20" active recovery (jogging)

- 40" at 90% HR_{max}, followed by 20" active recovery (jogging)

- 60" at 90% HR_{max}, followed by 20" active recovery (jogging)

- 2' at 90% HR_{max}, followed by 1' active recovery (jogging)

- 2' at 90% HR_{max}, followed by 1' active recovery (jogging)

- 60" at 90% HR_{max}, followed by 20" active recovery (jogging)

- 40" at 90% HR_{max}, followed by 20" active recovery (jogging)
- 20" at 90% HR_{max}, followed by 20" active recovery (jogging)

- 2' recovery

- Set 2: again 12' (8' HI running & 4' recovery jogging)

- 20" at 90% HR_{max}, followed by 20" active recovery (jogging)

- 40" at 90% HR_{max}, followed by 20" active recovery (jogging)

- 60" at 90% HR_{max}, followed by 20" active recovery (jogging)

- 2' at 90% HR_{max}, followed by 1' active recovery (jogging)

- 2' at 90% HR_{max}, followed by 1' active recovery (jogging)

- 60" at 90% HR_{max}, followed by 20" active recovery (jogging)

- 40" at 90% HR_{max}, followed by 20" active recovery (jogging)

- 20" at 90% HR_{max}, followed by 20" active recovery (jogging)

- Altogether, this exercise takes 12' + 2' recovery + 12' = 26'

* Cool down - 5' jogging and walking, followed by 10' static stretching.

Total duration: 81'

Wed. 30th: Rest day / Complementary strength and/or injury prevention training

 $\frac{\text{Thu. }31^{\text{st.}}}{\text{Tr. }84}$ * Low Int. - 5' jogging slowly building up to 70% HR_{max} (\pm 1 km).

* Warm up - 20' jogging, mobilisation and dynamic stretching.

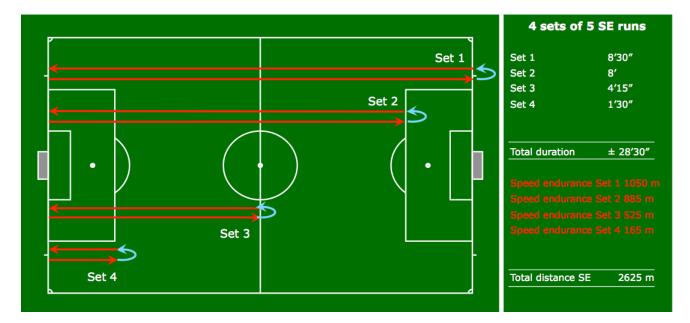
* Strength - 15' strength, core stability and injury prevention exercises.

* Speed End. - Each run is performed at minimum 95% SP_{max}.

- Between each set, there is a 2' active recovery.

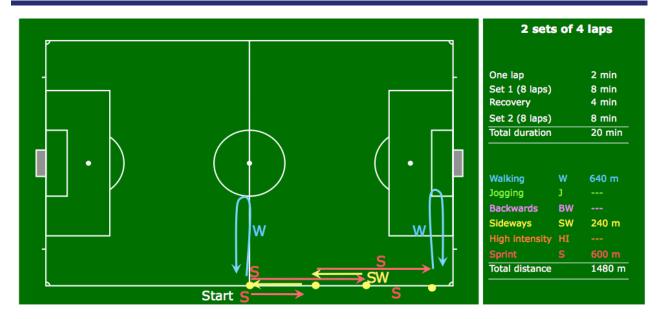


- Set 1:
- From goal line to goal line and back (± 40")
- 1' recovery
- Repeat 5 x
- Total duration is 8'30" (incl. recovery time)
- Set 2:
- From goal line to opposite penalty area and back (± 35")
- 1' recovery
- Repeat 5 x
- Total duration is 8' (incl. recovery time)



- Set 3:
- From goal line to midline and back (± 20")
- 30" recovery
- Repeat 5 x
- Total duration is 4'15" (incl. recovery time)
- Set 4:
- From goal line to penalty area and back (± 6")
- 10" recovery
- Repeat 5x
- Total duration is 1'30" (incl. recovery time)
- Altogether, this exercise consists of 20 speed endurance runs and the duration of the total exercise is \pm 28'30".
- * SE for ARs
- While the referees perform their 2 sets of the SE exercise, the next SE exercise can be considered for the assistant referees





- * Match
- 10' of match play or 10' of medium-intensity jogging (80% HR_{max})
- * Cool down
- 5' jogging and walking, followed by 10' static stretching.

Total duration: 94'

Fri. 1st:

Sat. 2nd: * Warm up Tr. 85

* Speed

Rest day / Complementary strength and/or injury prevention training

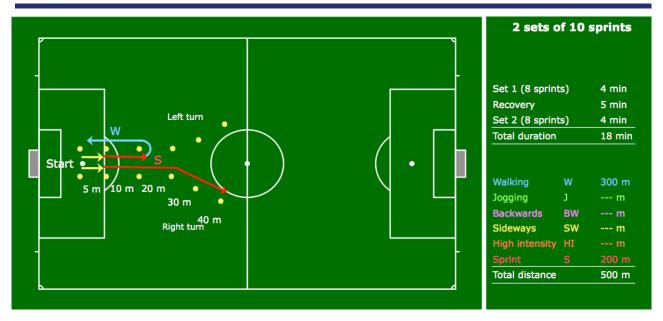
- 20' jogging, mobilisation and dynamic stretching.
- Short sprints from a dynamic position (heel lifts, knee lifts,...).
- Set 1 (right turn):

(2 x 10 m) - (2 x 20 m) - (2 x 30 m) - (2 x 40 m)

- 5' recovery
- Set 2 (left turn):

(2 x 40 m) - (2 x 30 m) - (2 x 20 m) - (2 x 10 m)





- In total, this exercise takes 15'. The total sprint distance is 300 m.

* Cool down - 5' jogging and walking, followed by 10' static stretching.

Total duration: 50'

Sun. 3rd: additional recovery, or to work on any fitness weaknesses you might have (e.g., aerobic endurance, strength, injury prevention,...). On the UEFA Ref Network, there are also 3 different match simulation exercises in case you are VAR or 4th official to compensate for not being physically involved in the game.



WEEK 45 from Monday 4th to Sunday 10th of November Macrocycle IV, week 5 (Training week 23)

Tr. 86

* Act. Rec.

- 50' recovery session in a fitness centre, incl. static stretching...

Tue. 5th: Tr. 87

Mon. 4th:

* Low Int.

- 5' jogging slowly building up to 70% HR_{max} (\pm 1 km).

* Warm up

- 20' jogging, mobilisation and dynamic stretching.

* Functional Tr. - 3 sets of 4' each (1' rest between Sets)

https://www.youtube.com/watch?v=P_I2utBObwU

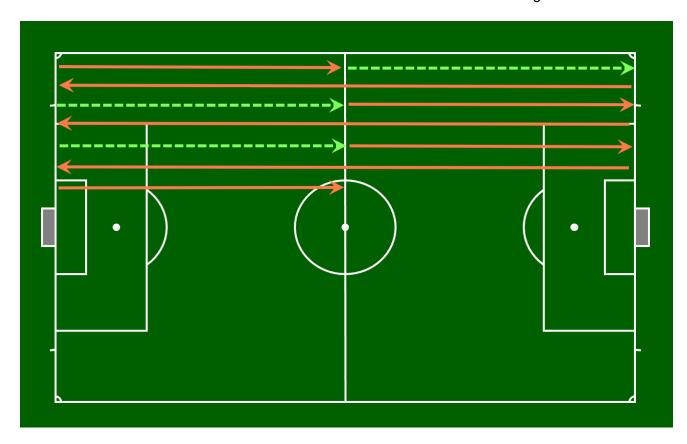
* High Int.

- High-intensity pyramid

- Complete 4 sets in ascending and descending order

- 4' recovery

- Total distance is 4 x 500m = 2000m of HI running



* Cool down

- 5' jogging and walking, followed by 10' static stretching.

Total duration: 81'

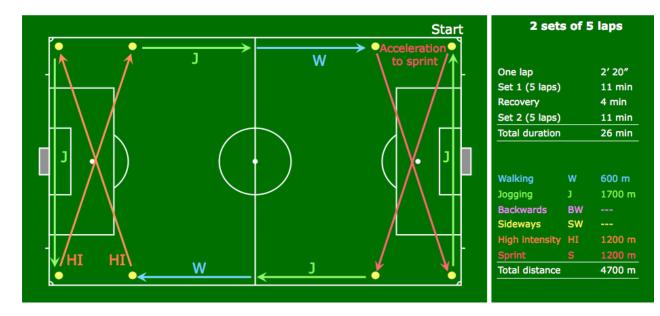
Wed. 6th:

Rest day / Complementary strength and/or injury prevention training



Thu. 7th: Tr. 88

- * Low Int.
- 5' jogging slowly building up to 70% HR_{max} (± 1 km).
- * Warm up
- 20' jogging, mobilisation and dynamic stretching.
- * Strength
- 15' strength, core stability and injury prevention exercises.
- * Speed End.
- <u>Set 1:</u> Field exercise, 5 laps or 10 high speed runs and 10 accelerations to minimum 95% SP_{max} , starting at either one of the starting positions. This first run will take \pm 11'.
- 4' recovery
- Set 2: Field exercise, again 5 laps or 20 high speed runs
- Again, this second run will take + 11'.



- Altogether, this exercise takes 11' + 4' recovery + 11' = 26'.
- The total distance covered in both HI and SE running is 1250 m.
- * Match 10' of match play or 10' of medium-intensity jogging (80% HR_{max}).
- * Cool down 5' jogging and walking, followed by 10' static stretching.

Total duration: 91'

Fri. 8th:

Rest day / Complementary strength and/or injury prevention training

Sat. 9th:

* Warm up

- 20' jogging, mobilisation and dynamic stretching.

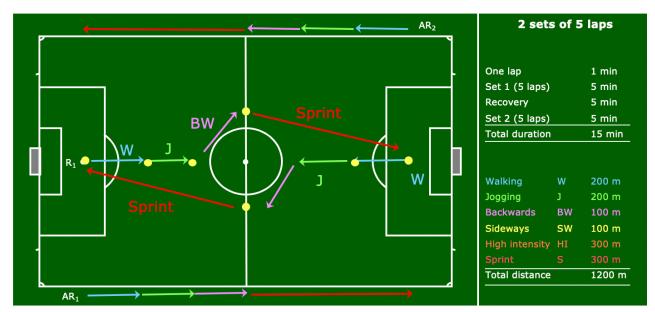
Tr. 89

- 20 Jogging, mobilisation and dynamic stretching.

* Speed

- <u>Set 1</u>: Variation on centre circle sprint, 4 x from start to finish (5'). ARs use their flags and stay in line with the referee





- 5' recovery and stretching.
- <u>Set 2</u>: Centre circle sprint, 5 x from start to finish (5').
- * Cool down 5' jogging and walking, followed by 10' static stretching.

Total duration: 50'

Sun. 10th: additional recovery, or to work on any fitness weaknesses you might have (e.g., aerobic endurance, strength, injury prevention,...). On the UEFA Ref Network, there are also 3 different match simulation exercises in case you are VAR or 4th official to compensate for not being physically involved in the game.



WEEK 46 from Monday 11th to Sunday 17th of November Macrocycle IV, week 6 (Training week 24)

Mon. 11th: * Act. Rec. - 50' recovery session in a fitness centre, incl. static stretching..

<u>Tue. 12th:</u> * Low Int. - 5' jogging slowly building up to 70% HR_{max} (<u>+</u> 1 km). Tr. 91

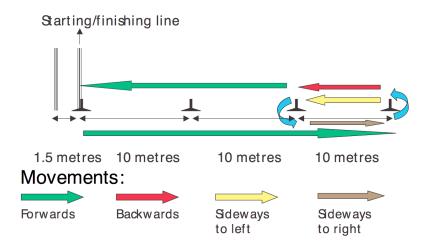
* Warm up - 20' jogging, mobilisation and dynamic stretching.

* Functional Tr. - 3 sets of 4' each (1' rest between Sets)

https://www.youtube.com/watch?v=1XSSek8RA8k

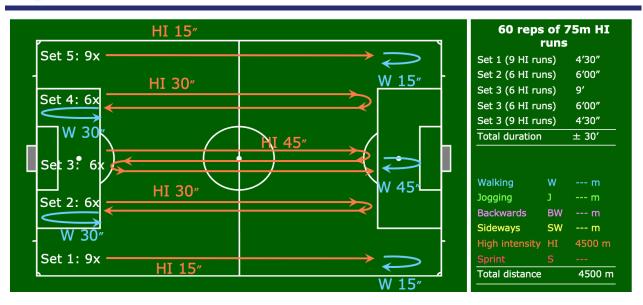
* Speed/Agility - Set 1: 80 m agility exercise, 1' rest, 4 reps.

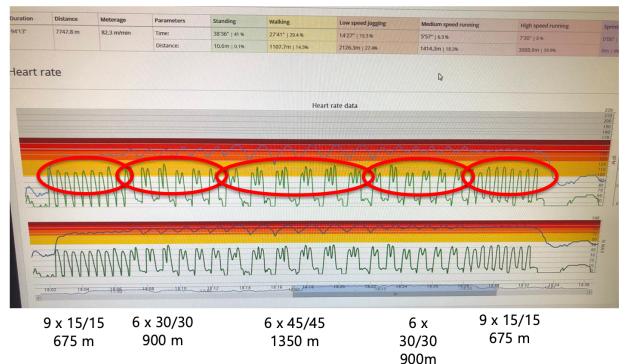
- The exercise should be done at sprint pace, but with the correct variation in movements; forward, sideways (2 x), backwards, forwards.



- 2' recovery
- Perform a 2nd set of this exercise (4 reps).
- 2' recovery, stretching and drinking break.
- The total duration of this speed/agility session is <u>+</u> 16' including 5' active recovery.
- * High intensity Each run to be performed at high speed / intensity (>88%HR_{max})
 - <u>Set 1:</u> 9 x single 75 m runs with 15" rest
 - Set 2: 6 x double 75 m runs with 30" rest
 - Set 3: 6 x triple 75 m runs with 45" rest
 - Set 4: 6 x double 75 m runs with 30" rest
 - Set 5: 9 x single 75 m runs with 15" rest
 - The total time is 30' and total distance 4500m.







* Cool down - 5' jogging and walking, followed by 10' static stretching.

Total duration: 95'

Wed. 13th:

Rest day / Complementary strength and/or injury prevention training

Thu. 14th: Tr. 92

* Low Int.

- 5' jogging slowly building up to 70% HR_{max} (\pm 1 km).

-* Warm up

- 20' jogging, mobilisation and dynamic stretching.

* Strength

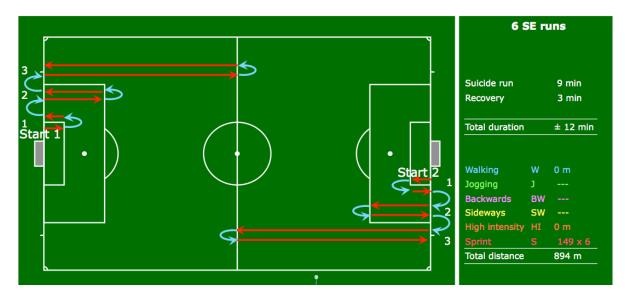
- 15' strength, core stability and injury prevention exercises.



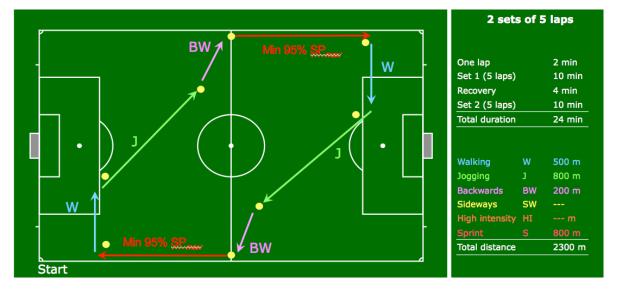
- * Speed End.
- 'Suicide run':
- Sprint from the goal line to goal area line and back.
- Then immediately sprint from the goal line to the edge of the penalty area and back.
- Finally, sprint to the halfway line and back.
- 1' recovery.
- Repeat 6 x.
- For each run, the reference time is < 25" (very good), < 30" (good).

In case of group sessions, 2 starting positions can be used (i.e. figure).

- 4' recovery



* Speed End. - Just 1 Set of 5 laps: 'Referee run': 10'



- 3' recovery



- Altogether, this training session takes 9' + 3' recovery + 10' + 3' recovery = 25'.

* Match - 10' of match play or 10' of medium-intensity jogging (80% HR_{max}).

* Cool down - 5' jogging and walking, followed by 10' static stretching.

Total duration: 87'

Fri. 15th:

Rest day / Complementary strength and/or injury prevention training

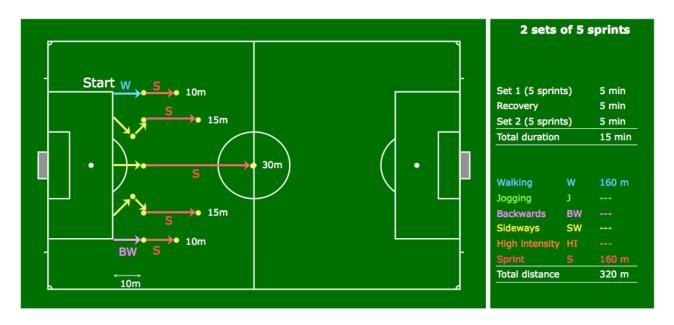
Sat. 16th: Tr. 93

* Warm up

- 20' jogging, mobilisation and dynamic stretching.

* Speed/Agility

- <u>Set 1:</u>
- 5 x sprints as illustrated below
- Slow walk back to the start after each sprint
- Start each run on every 60"
- 5' recovery and stretching



- Set 2:
- Repeat Set 1
- The total duration is 15', with the total sprint distance being 320 m.
- * Cool down 5' jogging and walking, followed by 10' static stretching.

Total duration: 50'



Sun. 17th: additional recovery, or to work on any fitness weaknesses you might have (e.g., aerobic endurance, strength, injury prevention,...). On the UEFA Ref Network, there are also 3 different match simulation exercises in case you are VAR or 4th official to compensate for not being physically involved in the game.