WEEK 23 from Monday $6^{\text {th }}$ to Sunday $12^{\text {th }}$ of June

## Macrocycle I, week 1 (Training week 1)

Mon. $6^{\text {th }}$ :
Tue. $7^{\text {th }}: \quad$ * Low Int. $\quad-5^{\prime}$ jogging slowly building up to $70 \% \mathrm{HR}_{\max }( \pm 1 \mathrm{~km})$.
Tr. 1

* Warm up $\quad-20^{\prime}$ jogging, mobilisation and dynamic stretching.
* Medium Int. $\quad-30$ ' run at $80 \% \mathrm{HR}_{\text {max }}( \pm 6 \mathrm{~km})$.

In the middle of each 5' of running, a tempo run over 50 m has to be covered at $90 \% \mathrm{SP}_{\text {max }}$, or $6 \times 50 \mathrm{~m}$ in total.

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

Total duration: 70'
Wed. $8^{\text {th }}$ :
$\begin{array}{lll}\frac{\text { Thu. } 9^{\text {th }}:}{\text { Tr. } 2} & \text { * Low Int. } & -5 \text { ' jogging slowly building up to } 70 \% \mathrm{HR}_{\max }( \pm 1 \mathrm{~km}) . \\ & \text { * Warm up } & -20^{\prime} \text { jogging, mobilisation and dynamic stretching. } \\ & \text { * Strength } & - \text { Set } 1 \text { of the strength and injury prevention exercises (week } 1 \text { ). } \\ & \text { * High Int. } & \begin{array}{l}-6 \text { ' run between } 86-90 \% \mathrm{HR}_{\text {max }}, 3^{\prime} \text { ' jogging, } 2 \text { sets }\end{array} \\ & & \text { This exercise has to be performed in the lower range of the } \mathrm{HI}-\end{array}$ training zone.

- All together this exercise takes $\pm 18$ '.
( $6^{\prime}$ Set $1+3^{\prime}$ jogging $+6^{\prime}$ Set $2+3^{\prime}$ jogging)
* Cool down $\quad-5$ ' jogging and walking, followed by 10 ' static stretching.

Total duration: 68'
Fri. $10^{\text {th }}:$
$\frac{\text { Sat. } 11^{\text {th }}:}{\text { Tr. } 3}$ * Low Int.

* Warm up $\quad-20^{\prime}$ jogging, mobilisation and dynamic stretching.
* Strength - Set 1 of the strength and injury prevention exercises (week 1).
* Speed - Set 1:
- (1) Sprint for 10 m , then walk for 30 m . (2) Sprint for 20 m , then walk for 20 m . (3) Sprint for 30 m , then walk for 10 m . (4) Sprint for 40 m .
-3' recovery

3 sets of 1 lap

| Set 1 (1 lap) | $\mathbf{2 ~ m i n}$ |
| :--- | :--- |
| Recovery | $\mathbf{2 ~ m i n}$ |
| Set 2 (1 lap) | $\mathbf{2 ~ m i n}$ |
| Recovery | $\mathbf{2 ~ m i n}$ |
| Set $\mathbf{3}$ (1 lap) | $\mathbf{2 ~ m i n}$ |
| Total duration | $\mathbf{1 0 ~ m i n}$ |

Walking w 420 m

| Jogging | J | --- |
| :--- | :--- | :--- |
| Backwards | BW | --- |

Sideways SW ---

| High Intensity HI | --- |  |
| :--- | :--- | :--- |
| Sprint | S | 300 m |
| Total distance |  | 720 m |

* Speed
* Speed - Set 3: Repeat set 1
* Medium Int.
-3 ' recovery
-30 ' run at $80 \% \mathrm{HR}_{\text {max }}( \pm 6 \mathrm{~km})$
- Set 2: Now first start with 40 m and then work down to 10 m .

In the middle of each 5' of running, a tempo run over 100 m has to be covered at $90 \% \mathrm{SP}_{\text {max }}$, or $6 \times 100 \mathrm{~m}$ in total.

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

Total duration: $90^{\prime}$
Sun. 12 ${ }^{\text {th }}$ : If you have a weekend without a match, use your free time for additional recovery, or to work on any fitness weaknesses you might experience e.g., aerobic endurance, strength, injury prevention,...).

Alternatively, you may also consider to do some intermittent activities such as playing badminton, football, squash, or tennis.

WEEK 24 from Monday $13^{\text {th }}$ to Sunday $19^{\text {th }}$ of June
Macrocycle I, week 2 (Training week 2)
Mon. $13^{\text {th. }}$ : Low Int. $\quad-5^{\prime}$ jogging slowly building up to $70 \% \mathrm{HR}_{\max }(+1 \mathrm{~km})$.
Tr. 4

* Warm up $\quad-20$ ' jogging, mobilisation and dynamic stretching.
* Medium Int. $\quad-35$ run at $80 \% \mathrm{HR}_{\max }( \pm 7 \mathrm{~km})$

In the middle of each 5' of running, a tempo run over 50 m has to be covered at $90 \% \mathrm{SP}_{\text {max }}$, or $7 \times 50 \mathrm{~m}$ in total.

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

Total duration: 75'
Tue. $14^{\text {th }}$ : * Low Int. -5 ' jogging slowly building up to $70 \% \mathrm{HR}_{\max }( \pm 1 \mathrm{~km})$.
Tr. 5

* Warm up -20' jogging, mobilisation and dynamic stretching.
* Strength $\quad-$ Set 1 of the strength and injury prevention exercises (week 2).
* High Int. - 4' run between $86-90 \% \mathrm{HR}_{\text {max }}$, $2^{\prime}$ jogging, 3 sets
- As last week, this exercise should be performed in the lower range of the HI -training zone.
- All together this exercise takes $\pm 18$ '
(4' per Set +2 ' jogging) $\times 3$
* Cool down $\quad-5$ ' jogging and walking, followed by 10 ' static stretching.

Total duration: 68 '
Wed. $15^{\text {th }}$ :

## REST DAY

Thu. 16 ${ }^{\text {th }}$ : * Low Int. $\quad-5$ ' jogging slowly building up to $70 \% \mathrm{HR}_{\max }( \pm 1 \mathrm{~km})$.
Tr. 6

* Warm up $\quad-20^{\prime}$ jogging, mobilisation and dynamic stretching.
* Strength - Set 1 of the strength and injury prevention exercises (week 2).
* Speed End. - Set 1: 5 laps of 2' each.

The running speed is expressed as a \% of the maximal speed.


- 3' recovery
- Set 2: again 5 laps of 2' each.
- All together, this exercise takes $10^{\prime}+3$ ' recovery $+10^{\prime}=23^{\prime}$.
* Cool down $\quad-5$ ' jogging and walking, followed by 10' static stretching.

Total duration: 73'

Fri. $17^{\text {th }}$ :
Sat. $18^{\text {th }}$ : * Low Int.
Tr. 7

* Warm up
* Speed $\quad-1$ ) 11 m sprint, 11 m jogging, walking to start, 4 x

2) 25 m sprint, 25 m jogging, walking to start, 2 x
3) 50 m sprint, 50 m jogging, walking to start, 1 x


2 sets of 7 sprints

| Set 1 (7 sprints) | 5 min |
| :--- | :--- |
| Recovery | 5 min |
| Set 2 (7 sprints) | 5 min |
| Total duration | 15 min |


| Walking | W | 256 m |
| :--- | :--- | :--- |
| Jogging | J | 288 m |
| Backwards | BW | --- |
| Sideways | SW | --- |
| High intensity | HI | --- |
| Sprint | S | 288 m |
| Total distance | 832 m |  |

* Medium Int. $\quad-35$ run at $80 \% \mathrm{HR}_{\max }(+7 \mathrm{~km})$

In the middle of each 5' of running, a tempo run over 50 m has to be covered at $90 \% \mathrm{SP}_{\text {max }}$, or $7 \times 100 \mathrm{~m}$ in total.

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

Total duration: $90^{\prime}$
Sun. 19 ${ }^{\text {th }}$ : If you have a weekend without a match, use your free time for additional recovery, or to work on any fitness weaknesses you might experience e.g., aerobic endurance, strength, injury prevention,...).

Alternatively, you may also consider to do some intermittent activities such as playing badminton, football, squash, or tennis.

WEEK 25 from Monday $20^{\text {th }}$ to Sunday $26^{\text {th }}$ of June
Macrocycle I, week 3 (Training week 3)

Mon. $20^{\text {th }}$ :
Tue. $21^{\text {st. }}$ * Low Int.
Tr. 8

* Warm up
* Speed

REST DAY
$-5^{\prime}$ jogging slowly building up to $70 \% \mathrm{HR}_{\max }(+1 \mathrm{~km})$.
$-20^{\prime}$ jogging, mobilisation and dynamic stretching.

- Short sprints from a dynamic start:
$-2 \times 5 \mathrm{~m}, 2 \times 10 \mathrm{~m}, 2 \times 15 \mathrm{~m}$ straight forward,
$2 \times 20 \mathrm{~m}$ and $2 \times 25 \mathrm{~m}$ (with a change in direction to the left)
- 5 ' recovery
- The second set of the 10 sprints is done in reversed order, i.e. $2 \times 25 \mathrm{~m}$ and $2 \times 20 \mathrm{~m}$ (with a change in direction to the right), $2 \times 15 \mathrm{~m}, 2 \times 10 \mathrm{~m}$ and $2 \times 5 \mathrm{~m}$ straight forward.

- The total exercise time is $15^{\prime}$.
* High Int. $\quad-3$ ' run between $86-90 \% \mathrm{HR}_{\text {max }}, 1^{\prime} 30$ " jogging, 4 sets
- As before, this exercise has to be performed in the lower range of the HI-training zone.
- All together this exercise takes $\pm 18^{\prime}(3$ per Set +1 ' 30 "' jogging $\times 4$ ).
* Cool down -5 ' jogging and walking, followed by 10 ' static stretching.

Total duration: 73'
Wed. 22 ${ }^{\text {nd }}$ REST DAY
W. Helsen $\mathbf{T}+3216329068 \quad \mathbf{F}+3216329197 \quad \mathbf{M}+32477425534 \quad \mathbf{E}$ werner.helsen@uefa.ch p. 6

Thu. 23 ${ }^{\text {rd. }}$ * Low Int.
Tr. 9
-5 ' jogging slowly building up to $70 \% \mathrm{HR}_{\max }( \pm 1 \mathrm{~km})$.

* Warm up -20' jogging, mobilisation and dynamic stretching.
* Strength $\quad-$ Set 1 of the strength and injury prevention exercises (week 3).
* Speed End. - Set 1: 3 laps of 4' each.

The running speed is expressed as a \% of the maximal speed.


- 4' recovery
- Set 2: again 3 laps of 4' each.
- All together, this exercise takes $12^{\prime}+4^{\prime}$ recovery $+12^{\prime}=28^{\prime}$.
* Cool down -5 ' jogging and walking, followed by 10' static stretching.

Total duration: 78'

## Fri. $24^{\text {th }}$ :

Sat. 25 ${ }^{\text {th. }}$ * Low Int. -5 ' jogging slowly building up to $70 \% \operatorname{HR}_{\max }( \pm 1 \mathrm{~km})$.
Tr. 10

* Warm up
$-20^{\prime}$ of jogging, dynamic exercises and stretching.
* Strength $\quad-$ Set 1 of the strength and injury prevention exercises (week 3).
* Speed/Agility - Set 1: Sprint exercise in the penalty area, 5 laps in total.
- 5 ' recovery
- Set 2: Sprint exercise in the penalty area, again 5 laps in total.

[^0]

| 2 sets of 5 laps |  |  |
| :---: | :---: | :---: |
| One lap |  | 1 min |
| Set 1 (5 laps) |  | 5 min |
| Recovery |  | 5 min |
| Set 2 (5 laps) |  | 5 min |
| Total duration |  | 15 min |
| Walking | W | 400 m |
| Jogging | J | 200 m |
| Backwards | BW | 100 m |
| Sideways | SW | 100 m |
| High intensity | HI | --- |
| Sprint | S | 320 m |
| Total distance |  | 1120 m |

- In total, this exercise takes $15^{\prime}$. The total sprint distance is $\pm 320 \mathrm{~m}$.
* High Int. - Referees run 10' at $80 \% \mathrm{HR}_{\text {max }}$. This corresponds to $\pm 2 \mathrm{~km}$. Then they run the same distance but now at $90 \% \mathrm{HR}_{\text {max }}^{-}$, so that they are back at the start after only $8^{\prime}$.
* Cool down - 5' jogging and walking, followed by 10' extensive stretching.

Total duration: 75'
Sun. $26^{\text {th }}$ : Officiating exhibition games to get match experience in order to prepare for the UEFA Europa and Champions League and the national championship.

If you have a weekend without a match, use your free time for additional recovery, or to work on any fitness weaknesses you might experience e.g., aerobic endurance, strength, injury prevention,...).

Alternatively, you may also consider to do some intermittent activities such as playing badminton, football, squash, or tennis.

WEEK 26 from Monday $27^{\text {th }}$ of June to Sunday $3^{\text {rd }}$ of July Macrocycle I, week 4 (Training week 4)

Mon. $27^{\text {th. }}$ : * Low Int. $\quad-5^{\prime}$ jogging slowly building up to $70 \% \mathrm{HR}_{\max }( \pm 1 \mathrm{~km})$.
Tr. 11

* Warm up $\quad-20^{\prime}$ jogging, mobilisation and dynamic stretching.
* Medium Int. $\quad-40$ run at $80 \% \mathrm{HR}_{\text {max }}( \pm 8 \mathrm{~km})$

In the middle of each 5' of running, a tempo run over 50 m has to be covered at $90 \% \mathrm{SP}_{\text {max }}$ or $8 \times 50 \mathrm{~m}$ in total.

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

Total duration: 80'
Tue. 28 ${ }^{\text {th }}$ : * Low Int. $\quad-5^{\prime}$ jogging slowly building up to $70 \% \mathrm{HR}_{\max }(+1 \mathrm{~km})$.
Tr. 12

* Warm up $\quad-20$ ' jogging, mobilisation and dynamic stretching.
* Strength $\quad-$ Set 1 of the strength and injury prevention exercises (week 4).
* High Int. $\quad-2$ ' run at $90 \% \mathrm{HR}_{\text {max }}$, $1^{\prime}$ jogging, 6 x
- This exercise has to be performed in the normal range of the HItraining zone ( 85 to $95 \% \mathrm{HR}_{\max }$ ).
- All together this exercise takes $\pm 18$ '.
(2' per Set +1 ' jogging) $\times 6$
* Cool down -5 ' jogging and walking, followed by 10 ' static stretching.

Total duration: 68'
Wed. 29 ${ }^{\text {th }}: \quad$ REST DAY
Thu. $30^{\text {th }}$ : * Low Int. $\quad-5^{\prime}$ jogging slowly building up to $70 \% \mathrm{HR}_{\max }( \pm 1 \mathrm{~km})$.
Tr. 13

* Warm up -20' jogging, mobilisation and dynamic stretching.
* Strength - Set 1 of the strength and injury prevention exercises (week 4).
* Speed End. - Set 1: Suicide run: sprint from the goal line to the 5.5 m goal area line and back. Then immediately sprint from the goal line to the edge of the penalty area and back ( 16.6 m ). Finally, sprint to the halfway line and back. One minute rest and then repeat 4 times the exercise.
- 4' active recovery


## Performance Training in Football Refereeing <br> Weekly Training Plan



- Set 2: again 4 runs
- All together, this exercise takes 16 '.
* Speed End. - 8' of the following referee run

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

Total duration: 74’

Fri. $1^{\text {st }}$ :
Sat. 2 ${ }^{\text {nd. }} \quad$ * Low Int. $\quad-5$ ' jogging slowly building up to $70 \% \operatorname{HR}_{\max }( \pm 1 \mathrm{~km})$.
Tr. 14

* Warm up
- 20' jogging, mobilisation and dynamic stretching.
- Set 1 of the following speed exercise.

- 5' recovery
- Set 2 of the same exercise.
- In total, this exercise takes 15'. The total sprint distance is 280 m .
* High Int. - For those referees who don't have a match to officiate in the weekend, the following exercise can be done:
- 1 ' at $90 \% \mathrm{HR}_{\text {max }}$, followed by 30 " active recovery (jogging)
- 2' at $90 \% \mathrm{HR}_{\text {max }}$, followed by 1' active recovery (jogging)
- 3 ' at $90 \% \mathrm{HR}_{\text {max }}$, followed by 1'30" active recovery (jogging)
- 3 ' at $90 \% \mathrm{HR}_{\text {max }}$, followed by 1'30" active recovery (jogging)
- 2' at $90 \% \mathrm{HR}_{\text {max }}$, followed by 1' active recovery (jogging)
- 1' at $90 \% \mathrm{HR}_{\max }$, followed by 30 " active recovery (jogging)
- All together, this exercise takes 18'.
* Cool down -5 ' jogging and walking, followed by 10' static stretching.

Total duration: 73'
Sun. $3^{\text {rd. }} \quad$ Officiating exhibition games to get match experience in order to prepare for the UEFA Europa and Champions League and the national championship.

If you have a weekend without a match, use your free time for additional recovery, or to work on any fitness weaknesses you might experience e.g., aerobic endurance, strength, injury prevention,...).

Alternatively, you may also consider to do some intermittent activities such as playing badminton, football, squash, or tennis.

[^1]WEEK 27 from Monday $4^{\text {th }}$ to Sunday $10^{\text {th }}$ of July Macrocycle I, week 5 (Training week 5)

Mon. $4^{\text {th }: ~ * ~ L o w ~ I n t . ~} \quad-5$ ' jogging slowly building up to $70 \% \mathrm{HR}_{\max }( \pm 1 \mathrm{~km})$.
Tr. 15

* Warm up $\quad-20^{\prime}$ jogging, mobilisation and dynamic stretching.
* Medium Int. $\quad-45$ ' run at $80 \% \mathrm{HR}_{\text {max }}( \pm 9 \mathrm{~km})$

In the middle of each 5' of running, a tempo run over 50 m has to be covered at $90 \% \mathrm{SP}_{\text {max }}$ or $9 \times 50 \mathrm{~m}$ in total.

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

Total duration: ${ }^{85}$
Tue. 5 ${ }^{\text {th }}$ : Low Int. $\quad-5^{\prime}$ jogging slowly building up to $70 \% \mathrm{HR}_{\max }( \pm 1 \mathrm{~km})$.
Tr. 16

* Warm up $\quad-20$ ' of jogging, dynamic exercises and stretching.
* Strength $\quad-$ Set 1 of the strength and injury prevention exercises (week 5).
* High Int. $\quad-1$ ' run at $90 \% \mathrm{HR}_{\text {max }}, 30$ " jogging, 12 sets
- This exercise has to be performed in the normal range of the HItraining zone ( 85 to $95 \% \mathrm{HR}_{\max }$ ).
- All together this exercise takes $\pm 18$.
(1' per Set +30 " jogging) $\times 12$
* Cool down $\quad-5$ ' jogging and walking, followed by 10 ' extensive stretching.

Total duration: 68'
Wed. $6^{\text {th }}: \quad$ REST DAY
Thu. $7^{\text {th }}$ : Low Int. $\quad-5^{\prime}$ jogging slowly building up to $70 \% \mathrm{HR}_{\max }( \pm 1 \mathrm{~km})$.
Tr. 17

* Warm up $\quad-20$ ' jogging, mobilisation and dynamic stretching.
* Strength - Set 1 of the strength and injury prevention exercises (week 5).
* Speed End. - Set 1: 4 laps ( $\pm$ 3' each).
- The start of a new lap may be timed as follows:

Top: $\quad$ Starting a new lap every 3 '
Intermediate: Starting a new lap every $3^{\prime} 15^{\prime \prime}$
W. Helsen $\mathbf{T}+3216329068 \quad \mathbf{F}+3216329197 \quad \mathbf{M}+32477425534 \quad \mathbf{E}$ werner.helsen@uefa.ch p. 12


| 2 sets of 4 laps |  |  |
| :---: | :---: | :---: |
| One lap |  | 3 min |
| Set 1 (4 laps) |  | 12 min |
| Recovery |  | 4 min |
| Set 2 (4 laps) |  | 12 min |
| Total duration |  | 28 min |
| Walking | W | 480 m |
| Jogging | J | 1280 m |
| Backwards | BW | --- |
| Sideways | SW | --- |
| High intensity |  | 1600 m |
| Sprint | S | --- |
| Total distance |  | 3360 m |

- 4' active recovery.
- Set 2: again 4 laps of $\pm$ 3' each.
- All together, this exercise take $+12^{\prime}+4^{\prime}+12^{\prime}=28^{\prime}$.
* Cool down - 5' jogging and walking, followed by 10' static stretching.

Total duration: 78'

Fri. $8^{\text {th }}$ :
Sat. $9^{\text {th }}$
Tr. 18

* Low Int.
- 5’ jogging slowly building up to $70 \% \mathrm{HR}_{\max }( \pm 1 \mathrm{~km})$.
* Warm up - 20' of jogging, dynamic exercises and stretching.
* Speed - Set 1: 4 reps of the following centre-circle exercise:


| 2 sets of 5 laps |  |  |
| :---: | :---: | :---: |
| One lap |  | 1 min |
| Set 1 |  | 5 min |
| Recovery |  | 5 min |
| Set 2 |  | 5 min |
| Total duration |  | 15 min |
| Walking | W | 400 m |
| Jogging | J | 200 m |
| Backwards | BW | 200 m |
| Sideways | SW | 200 m |
| High intensity | HI | --- |
| Sprint | S | 400 m |
| Total distance |  | 1200 m |

- 5' recovery
- Set 2: again 4 reps of the centre-circle exercise.
- The total exercise time is $15^{\prime}$. The total sprint distance is 288 m .
* High Int. - For those referees who don't have a match to officiate in the weekend, the following exercise can be done:
- 5' at $90 \% \mathrm{HR}_{\text {max }}$, followed by 3' active recovery (jogging)
- 4' at $90 \% \mathrm{HR}_{\text {max }}$, followed by 2' active recovery (jogging)
- 3' at $90 \% \mathrm{HR}_{\max }$, followed by 1'30" active recovery (jogging)
- 2' at $90 \% \mathrm{HR}_{\text {max }}$, followed by 1' active recovery (jogging)
- 1 ' at $90 \% \mathrm{HR}_{\text {max }}$, followed by 30 " active recovery (jogging)
- All together, this exercise takes 23'.
* Cool down $\quad-5$ ' jogging and walking, followed by 10' extensive stretching.

Total duration: 88'
Sun. $10^{\text {th }}$ : Officiating exhibition games to get match experience in order to prepare for the UEFA Europa and Champions League and the national championship.

If you have a weekend without a match, use your free time for additional recovery, or to work on any fitness weaknesses you might experience e.g., aerobic endurance, strength, injury prevention,...).

Alternatively, you may also consider to do some intermittent activities such as playing badminton, football, squash, or tennis.

WEEK 28 from Monday $11^{\text {th }}$ to Sunday $17^{\text {th }}$ of July Macrocycle I, week 6 (Training week 6)

| Mon. $11^{\text {th }}$ : |  | REST DAY |
| :---: | :---: | :---: |
| $\frac{\text { Tue. } 12^{\text {th }}:}{\text { Tr. } 19}$ | * Low Int. | - 5 ' jogging slowly building up to $70 \% \mathrm{HR}_{\max }( \pm 1 \mathrm{~km}$ ). |
|  | * Warm up | $-20^{\prime}$ jogging, mobilisation and dynamic stretching. |
|  | * Strength | - Set 1 of the strength and injury prevention exercises (week 6). |
|  | * Speed | $-6 \times 40 \mathrm{~m}$ sprint from a 1.5 m dynamic start, with max 60 " recovery in between sprints. The minimum time for international referees is $6.0^{\prime \prime}$. The minimum time for national referees is $6.4^{\prime \prime}$ and for national assistant referees $6.2^{\prime \prime}$. ARs perform $5 \times 30 \mathrm{~m}$ in $4.7^{\prime \prime}$ max and 30 " recovery. |
|  |  | -5' recovery |
|  | * High Int. | - The target zone of the next exercise is the normal range of the HItraining zone ( 85 to $95 \% \mathrm{HR}_{\max }$ ). |



- On the first whistle, referees have to cover 75 m in 15 " from the start position on (1). Then they have $18^{\prime \prime}$ (international referees) or 20" (international ARs) to cover 25 m walking (2). On the next whistle, referees have to run again 75 m in 15" (3), followed by 25 m walking (4). This equals $1 / 2 \mathrm{lap}$. In one lap, there are 4 HI runs.
- The total exercise consists of 10 laps, resulting in 40 high intensity runs, each followed by a 25 m recovery walk.
- Referees have to arrive in the 'walking area' before the whistle and may not leave the 'walking area' before the whistle.
- The total duration of this HI run equals $21^{\prime} 40^{\prime \prime}$ (with $35^{\prime \prime}$ recovery).
* Cool down $\quad-5$ ' jogging and walking, followed by 10' static stretching

Total duration: $\mathbf{8 7}^{\prime}$

Wed. $13^{\text {th }}$ :
Thu. 14 ${ }^{\text {th: }}$ * Low Int.
Tr. 20

* Warm up
* Strength - Set 1 of the strength and injury prevention exercises (week 6).
* Ext. Speed

REST DAY
-5 ' jogging slowly building up to $70 \% \mathrm{HR}_{\max }( \pm 1 \mathrm{~km})$.
$-20^{\prime}$ jogging, mobilisation and dynamic stretching.

- Set 1: using a dynamic start over a 5 m course:
$>4$ maximal 20 m sprints ( $\pm$ 3")
with 20 " active recovery (walking back)
$>3$ maximal 40 m sprints ( $\pm$ 6") with 40 " active recovery (walking back)
$>2$ maximal 60 m sprints ( $\pm 9^{\prime \prime}$ )
with 1 ' active recovery (walking back)
> 1 maximal 80 m sprint ( $+12^{\prime \prime}$ )
with 1 ' 20 " active recovery (walking back)
$>$ Jog 1 lap of the pitch ( $+2^{\prime} 30$ ")
$>$ Duration Set 1: $\pm 11^{\prime} 30^{\prime \prime}$
- Set 2:
> 1 maximal 80 m sprint ( $\pm 12$ ")
with $1^{\prime} 20^{\prime \prime}$ active recovery (walking back)
> 2 maximal 60 m sprints ( $\pm$ 9")
with 1 ' active recovery (walking back)
$>3$ maximal 40 m sprints ( $\pm 6^{\prime \prime}$ )
with 40 " active recovery (walking back)
$>4$ maximal 20 m sprints ( $\pm$ 3")
with 20 " active recovery (walking back)
$>$ Jog 1 lap of the pitch ( $+2^{\prime} 30^{\prime \prime}$ )
$>$ Duration Set 2: $+11^{\prime} 30^{\prime \prime}$


| Set 1 4 sprint distances |  |  |
| :---: | :---: | :---: |
| Sprint distance 1 ( $4 \times 20 \mathrm{~m}$ ) |  |  |
| Sprint distance 2 ( $3 \times 40 \mathrm{~m}$ ) |  |  |
| Sprint distance 3 ( $2 \times 60 \mathrm{~m}$ ) |  |  |
| Sprint distance 4 ( $1 \times 80 \mathrm{~m}$ ) |  |  |
| Recovery |  | 2'30" |
| Total duration | Set 1 | 11'30" |
| Followed by Set 2 |  |  |
| Total duration | Set 2 | 11'30" |
| Walking | W | --- |
| Jogging | J | 800 m |
| Backwards | BW | --- |
| Sideways | SW | --- |
| High intensity |  | --- |
| Sprint | S | 800 m |
| Total distance |  | 1600 m |

- The total duration of this extended speed session is $\pm 23$ ' including 5' active recovery.
* Match play - If referees have a group training session then a 10' regular match can be played with the restriction that the ball can only be touched twice ('control \& pass'). If the game is not played fast enough, another restriction can be implemented, i.e. a goal can only be scored if all referees are over the midline.
- Alternatively, if it is not possible to play a match, referees may perform a 10' medium intensity jogging ( $80 \% \mathrm{HR}_{\max }$ ).
* Cool down $\quad-5$ ' jogging and walking, followed by 10 ' static stretching

Total duration: 83'

Fri. $15^{\text {th }}$ :
Sat. 16 ${ }^{\text {th. }}$ * Low Int.
Tr. 21

## REST DAY

- 5' jogging slowly building up to $70 \% \mathrm{HR}_{\max }( \pm 1 \mathrm{~km})$.
- 20' jogging, mobilisation and dynamic stretching.
- Set 1: Sprint exercise in the penalty area, 5 laps in total.
- 5' recovery
- Set 2: Sprint exercise in the penalty area, again 5 laps in total.

- In total, this exercise takes $+15^{\prime}$. The total sprint distance is 320 m .
* High Int. - For those referees who don't have a match to officiate in the weekend, the following exercise is scheduled.
- Referees run 6' at $80 \% \mathrm{HR}_{\text {max }}$. This corresponds to $\pm 1.2 \mathrm{~km}$.

Then the same distance is covered but now at $90 \% \mathrm{HR}_{\text {max }}$, which corresponds to a running time of $\pm 4^{\prime}$ (Set 1 ).

- 2' recovery
- Referees run again 6' at $80 \% \mathrm{HR}_{\text {max }}( \pm 1.2 \mathrm{~km}$ ).

Then they run the same distance but now at $90 \% \mathrm{HR}_{\text {max }}$, so that they are back at the start after $\pm 4$ '.

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

Total duration: 77'
Sun. $17^{\text {th }}$ : Officiating exhibition games to get match experience in order to prepare for the UEFA Europa and Champions League and the national championship.

If you have a weekend without a match, use your free time for additional recovery, or to work on any fitness weaknesses you might experience e.g., aerobic endurance, strength, injury prevention,...).

Alternatively, you may also consider to do some intermittent activities such as playing badminton, football, squash, or tennis.


[^0]:    W. Helsen $\mathbf{T}+3216329068 \quad \mathbf{F}+3216329197 \quad \mathbf{M}+32477425534 \quad \mathbf{E}$ werner.helsen@uefa.ch p. 7

[^1]:    W. Helsen T + $3216329068 \quad \mathbf{F}+3216329197 \quad \mathbf{M}+32477425534 \quad \mathbf{E}$ werner.helsen@uefa.ch p. 11

