It is important to calculate the training load (TL) correctly in training (Wallace et al., 2008). In correct calculation it is important to note the volume and intensity of TL (Wallace et al., 2008). In calculation of training volume it is used kilogram or tons (Egan et al., 2014), sometime hours, minutes and/or seconds (Brink et al., 2014; Moriera et al., 2015), and sometimes it is seen as repetition (Murphy et al., 2014). Similarly, training intensity is expressed as lifted percentage (%) of lifted maximal kilograms (1 maximal repetition: 1MR), sometime it is expressed as % of hours, minutes and seconds, and sometime it is expressed as the % of repetition number or heart rate (HR) (Wringley et al., 2012; Murphy et al., 2014 Coutts et al., 2009). Maximal intensity value may change according to the level of fatigue and psychological state. Calculation of maximal value of an athlete is calculated according to the last maximal measurement in training (Baechle and Earle, 2008). The application of maximal can be more or less than the measured 1MR in training. This situation may influence the calculation of TL.

The training provided by the coach and the athlete performed, is called external training load (EL), and the performed training and its physiological influence that subjectively the athlete anticipates is called internal training load (IL) (Wallace et al., 2008). The EL that the athlete should complete seen as independent variable that athlete should complete. This is seen as IL that influences the athlete to have a physiological adaptation. Therefore, the EL and IL are suppose to be equal but according to the influencing factors there is a difference between the loads. Therefore, the classic approach is more problematic approach in calculation of the training load (Wallace et al., 2008).

Therefore, there is a need for a new test to calculate the TL in a reliable way in volume, intensity, frequency, duration, and type. The research shows that modified Borg scale (CR 10-Skala) that shows IL between 0-10 is the current test to the problem (Borg et al., 1985; Coutts, 2003; Day, 2004; Foster, 1998; Foster et al., 2001). Therefore, a mezocyle of team sport and an individual sport are going to give as an example of this model.

References


