CONCLUSIONS

These results establish the validity of the twitch interpolation technique, which is based on the simple analysis of voluntary and evoked torque traces, for the evaluation of neuromuscular quadriceps asymmetries. Our present findings also provide new insights into the contribution of neural (activation level) and muscular (contractility) mechanisms to voluntary force-generation capacity of the quadriceps femoris muscle.

REFERENCES


ACKNOWLEDGEMENTS: Thim van der Laan Foundation and Yellow-P Sport foundation for funding the study.

e-mail: corrado.cescon@supsi.ch