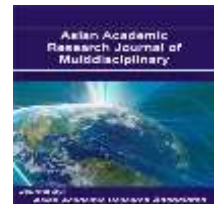




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**THE VALIDITY OF THE SIMI MOTION METHOD OF MEASURING THE
RECTUS FEMORIS-PATELLAR TENDON Q ANGLE IN COMPARISON WITH
THE CONVENTIONAL RADIOGRAPHIC METHOD**

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Abstract

Gheorghe Marinescu, the famous Romanian neurologist, during the time that he spent working at the Pantelimon Hospital in Bucharest, bought the device called „[Cinématographe Lumière](#)” from Paul Menu, and he began to film the movement and the gesture of the patients with severe neurological diseases, his first film being called „The Gait Difficulties in Organic Hemiplegia” (1898). He published the results of his research in “La Semaine Médicale”, between 1899 and 1902, emphasizing the role of cinematograph as a device used in the field of medical research [1, 2]. In October 25th 1899, Alexandru Bolintineanu held a Ph.D. thesis in Paris regarding hip tuberculosis, the thesis being based on the study of the patients gait from the films made at the Pantelimon Hospital in Bucharest.

References

1. Buda, O; Arsene D, Ceausu M, Dermengiu D, Curca G C (Jan. 2009). "Georges Marinesco and the early research in neuropathology". *Neurology* **72** (1): 88-91
2. Rîpeanu, Bujor T. *Filmul documentar 1897-1948*, Bucharest, 2008, ISBN 978-973-7839-40-4
3. Evans R, Elwyn G, Edwards A (2004) Review of instruments for peer assessment of physicians *BMJ* 328:1240
4. Grelsamer RP, Newton PM, Staron RB (1998) The medial-lateral position of the patella on routine magnetic resonance imaging: when is normal not normal? *Arthroscopy* 14:23–28
5. Ando T, Hirose H, Inoue M, Shino K, Doi T (1993) A new method using computed tomographic scan to measure the rectus femoris-patellar tendon Q-angle comparison with conventional method. *Clin Orthop Relat Res* 289:213–219
6. Brattström H (1964) Shape of the intercondylar groove normally and in recurrent dislocation of the patella. *Acta Orthop Scand* 68(Suppl):S1–S44
7. Fredericson M, Yoon K (2006) Physical examination and patellofemoral pain syndrome. *Am J Phys Med Rehabil* 85:234–243
8. Livingston LA (1998) The Quadriceps angle: a review of the literature. *J Orthop Sport Phys Ther* 28:105–109
9. Tsujimoto K, Kurosaka M, Yoshiya S, Mizuno K (2000) Radiographic and computed tomographic analysis of the position of the tibial tubercle in recurrent dislocation and subluxation of the patella. *Am J Knee Surg* 13:83–88
10. Greene CC, Edwards TB, Wade MR, Carson EW (2001) Reliability of the Quadriceps angle measurement. *Am J Knee Surg* 14:97–103
11. Insall J, Falvo KA, Wise DW (1976) Chondromalacia Patellae. A prospective study. *J Bone Joint Surg* 58-A:1–8
12. Fulkerson JP (1994) Patellofemoral pain disorders: evaluation and management. *J Am Acad Ortho Surg* 2:124–132
13. Guerra JP, Arnold MJ, Gajdosik RL (1994) Q-angle: effects of isometric quadriceps contraction and body position. *J Orthop Sport Phys Ther* 19:200–204