**Ministry of Higher Education and**

**Scientific Research  
      University of Al Qadissiya**

**College of Physical Education and**

**sport sciences**

**A comparison of some electric activity variables in brain, heart, lower limps muscles and biochemical according to the intelligence planning and physical performance skill dexterity performance for professionals footballers (Locals and Foreigners)**

The Dissertation Submitted by

**muthana Leith hatem**

A thesis submitted to the council of the collage of physical education – University of Al Qadissiya as a partial of doctor degree in physical education and sport sciences

**Supervisors**

**prof. Ahmad Abdul Zahra A. prof. Mazin Mohammed**

**Abdullah Hamadi**

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**Abstract**

**A comparison of some electric activity variables in brain, heart, lower limps muscles and biochemical according to the intelligence planning and physical performance skill dexterity performance for professionals footballers**

**(Locals and Foreigners)**

**Supervisors researcher**

**A. prof Ahmad Abdul Zahra Abdullah muthana Leith hatem**

**A. prof Mazin Mohammed Hamadi**

The abstract dealt with the problem of the research through the interesting from the experts players both of them the nationals and the foreigners on Iraqi Football watches which not doing according to the important tests and rules or principals and others like physical – dexterity and planning aspects before the signature of the contract.

The dissertation aimed to study some of variables as electric activity of the brain, heart, the below parts of the body and some biochemistry elements thus comprising all the results of the above variables between the national and Foreigners players, The researcher supposed that there are differences among the values of the study.

Through this study the researcher concluded the following results:

* All the measuring of the variables results had been at the natural levels.
* The troop of the Foreigners better than the nationals players in all the activities and the variables which mentioned at the beginning.

According to the conclusions of a researcher developing the most important recommendations are:-

* Develop research findings accessible to Iraqi clubs for the contracting process with the Foreigner players.
* Most the research variables measurement have been affected by the deferent effort (Beta wave has been affected by height according to planning intelligent and the heart periods and waves, pulse rates and variables of CPK, LDH, and Creac) also have been affected by anaerobic physical effort and values of muscles electrical activity which is the study subject of skill performance.

A according to the conclusion that the researcher obtained he recommended :-

* The researcher has put the results with reach of Iraqi teams to get benefit of it in contract with professionals players.
* The professionals players have been subjected to medical physiological tests and make sure of the health status for them before signing contract.