

Full name: Saddah Ibrahim Sidoli Abd

Date of birth 19,8, 1979

Certificate: PhD / Date of obtaining it: (27/7/2016)



General specialty: Physical education / Specialization:  
volleyball biomechanics

Academic title: Assistant Professor / Date of obtaining it:  
(20/9/2020)

Number of years of service in higher education: (3 years(

Number of years of service outside higher education: (13 years(

Email: saddah.ibraheem@uodiyala.edu.iq

The awarding body for the bachelor's degree: University of  
Diyala

Acquired date: (2001-2002(

The awarding body for the master's degree: University of Diyala

Date of obtaining it: (22/8/2013(

The awarding body for the doctoral degree: University of Diyala

Date of obtaining it: (7/27/2016(

The title of the master's thesis: ((The effect of feedback using  
visual models and force measurement in the development of

some biomechanical variables and the accuracy of the crushing serve for advanced players in volleyball.((

Researcher: Sadah Ibrahim Sidoli Abd

Supervisors: Prof. Dr. Maha Muhammad Salih Al-Ansari

The treatise contains five chapters:

Part one: Introduction to research.

Volleyball is one of the mass games that are very popular in most countries of the world, as it is played by adults and children, males and females, healthy and disabled. The game has its basic skills, it is the basis for performance, whether these skills were offensive or defensive. Because of the importance of this game, those in charge of it remain interested in developing it and making it more interesting and competitive by developing its skills, including the overwhelming transmission skill, as it is one of the most important skills in that game.

The importance of the research lies in the use of the feedback and the strength measurement platform in developing the performance of the crush transmission through the use of kinetic analysis programs and video imaging devices through which the researcher will be able to identify performance errors and weaknesses in the skill parts or technical stages, which is one of the objectives of the study and then Correcting these errors by giving a biomechanical feedback after the performance by watching the player for his performance in video and comparing it with a previously prepared model, which is one of the players of the national volleyball team.

### Research problem:

The problem of the research lies in the weakness of the skill of the smasher in volleyball and the importance of this skill the researcher wanted to develop through the development of some biomechanical variables and the accuracy of the smasher. Given the importance of techniques and kinetic analysis programs that provide a lot of information about the areas of weakness in the performance stages of the crushing transmission, the researcher decided to use the feedback, the force measurement platform, and the analytical programs to develop these variables.

### □ Research Objectives:

The research aims to:

- 1 Recognizing the effect of feedback using visual models and measuring strength in the development of some biomechanical variables for the performance of advanced players in volleyball under discussion.
- 2 Identifying the effect of feedback using visual models and measuring strength in the accuracy of the smashing transmission of advanced players in volleyball.
- 3 Identifying the effect of feedback using visual models and measuring strength between the control group and the experimental group in the post tests of the variables under study.

### □ Research hypotheses:

- 1 There is a statistically significant effect of feedback using visual models and strength measurement in developing some biomechanical variables for the performance of advanced players in volleyball under discussion.

-2There is a statistically significant effect of feedback using visual models and power measurement on the accuracy of the smashing transmissions of advanced players in volleyball.

-3There is a statistically significant effect between the control group and the experimental group in the post tests of the variables under study.

#### Research areas:

-1The human field: the advanced players in volleyball for the Diyala Governorate team.

-2Time range: 1/11/2012 to 5/5/2013

-3Spatial domain: the hall of the College of Physical Education, University of Baghdad, and the Hall of the Directorate of Youth and Sports of Diyala Governorate (the closed hall.)

#### Part Two: Theoretical and previous studies.

This section includes theoretical studies in which the researcher touched on the concept of feedback, kinetic analysis and the variables under study, as well as skills in volleyball, including the crushing transmission. The researcher also touched on some previous studies of the subject of his study.

#### Chapter Three: Research methodology and field procedures.

The researcher used the experimental method by designing the two groups (experimental and control) with pre and post tests, on a sample of (8) players divided randomly into (4) experimental and (4) control groups. Then the researcher applied the post test under the same conditions in which the pre

test was applied, and then the data was processed by the appropriate statistical means.

Chapter Four: Presentation, analysis and discussion of the results.

After the data was statistically processed, it was presented, analyzed and discussed, and the results indicated that there were some significant differences in some variables of the study due to the biomechanical feedback through the kinetic analysis programs and the model.

Chapter Five:

This section included conclusions and recommendations, and the most important conclusions are:

-1 The large number of player observations of his performance was of great benefit as it shows the places where he made a mistake and also enhances the correct places of performance.

-2 The kinetic analysis program had an important impact in displaying the movement in its precise details and in the appropriate manner, which helped to .

❖ **Positions held:**

	Occupation	Workplace	الوظيفة
1	Teacher	Ministry of Education	2019_2005
2	teaching	Diyala University - College of Physical Education and Sports Sciences	-----2019

❖ Universities or institutes where he taught and courses

notes	period from - to	Entity (university / college / institute)	
volleyball	2021-2019	Diyala University - College of Physical Education and Sports Sciences	1
biomechanics	2021	Diyala University - College of Physical Education and Sports Sciences	2

❖ Conferences, seminars and workshops in which he participated

The Third International Conference, University of Baghdad / College of Physical Education				titl
for the school year	Post type (search - attend)	Section	Place	
2017	- <input type="checkbox"/> <input checked="" type="checkbox"/>	التربية الرياضية	جامعة بغداد	1
The conference, Diyala University / College of Basic Education				العنوان
				ت
2014	- <input type="checkbox"/> <input checked="" type="checkbox"/>	/ College of Basic Education	Diyala	2

2016	-  	/ College of Basic Education	Diyala	3
------	---	------------------------------	--------	---

❖ Scientific journals in which he has published

magazine name	Research Title	
Physical Education University of Baghdad	The effect of skillful physical exercises with a winshot device in developing some biomechanical variables for crushing young players in volleyball.	1
Journal of Sports Science University of Diyala	The effect of skill exercises enhanced by kinematic feedback on developing the angular speed of the arm and the accuracy of the skill of the serve from the top in volleyball.	2
Journal of Sports Science University of Diyala	The effect of exercises similar to playing in specific areas in developing the accuracy and some kinematic variables of the skills of the front facing serve and the front smash hit of the advanced players in volleyball.	3
Al-Mustansiriya Journal of Sports Sciences	The effect of skill exercises in a mini-court on some biomechanical variables and the accuracy of the smash hit front and back in volleyball.	4
Journal of Physical Education Studies and Research, University of Basra	The effect of jump box exercises in developing some biomechanical variables and their relationship to the accuracy of the front-facing crushing of youth in	5

	<b>volleyball.</b>	
<b>Contemporary Sports Magazine, University of Baghdad</b>	<b>The effect of acuspikes exercises on some biokinetic variables and the accuracy of the top-facing transmissions for young players in volleyball.</b>	<b>6</b>
<b>Al-Mustansiriya Journal of Sports Sciences</b>	<b>The effect of skill exercises with aids in developing the angular speed of the arm and torso and the accuracy of the serve from the top of the youth in volleyball</b>	<b>7</b>

**The languages he speaks**

**1 . Arabia**

**Contributions to community service**

**1- Lecturer in the developmental courses for trainers and teachers in the Ministry of Education**