



2009 ITALIAN CADET NATIONAL TEAM COMPETITION MATCH ANALYSIS: TECHNICAL AND TACTICAL STUDY



Tamara Dalponte*, Emanuela Pierantozzi*, Alessandro Lubisco**

*Faculty of Exercise and Sport Sciences, University of Bologna, Via S. Vitale 15, 40127, Italy

**Faculty of Statistical Sciences, University of Bologna, Via Belle Arti 41, 40126, Italy

There are several works in literature on the analysis of judo match (Heinisch 1997, Sterkowicz 1998, Franchini 2008, Sacripanti 2006), but few of them refer to the youth classes (Miarka et al.2010). This poster shows the continuation of the first one presented during the "1st European Science of Judo Symposium" in Vienna (2010).

OBJECTIVES

We tried to discover and evaluate the differences between cadet athletes, males and females (from 15 to 16 years of age according to the rules of International Judo Federation), regarding technical and tactical differences.

RESULTS

FREQUENCY and TYPE OF THE ACTIONS

FEMALE kg	NUMBER OF ACTIONS									
	ASHI	TE	GOSHI	SUTEMI	RENRAKU	GAESHI	SHIME	OSAE	KANTSETZU	SHIDO
52	22	24	7	46	9	14	12	3		11
57	15	7	2	27	3	4	7	3	1	6
63	2	1	4	14	2	1	3			4
70	9	2	4	11	0	5	5	1		4
>70	10	7	11	19	4	7	1	1		6
TOT	58	41	28	117	18	31	28	8	1	31

DATA

We analyzed 12 games to teams (6 men and 6 women) during the finals of the Italian Team Championships held in Prato in October 2009, i.e. 53 fights (26 male and 27 female).

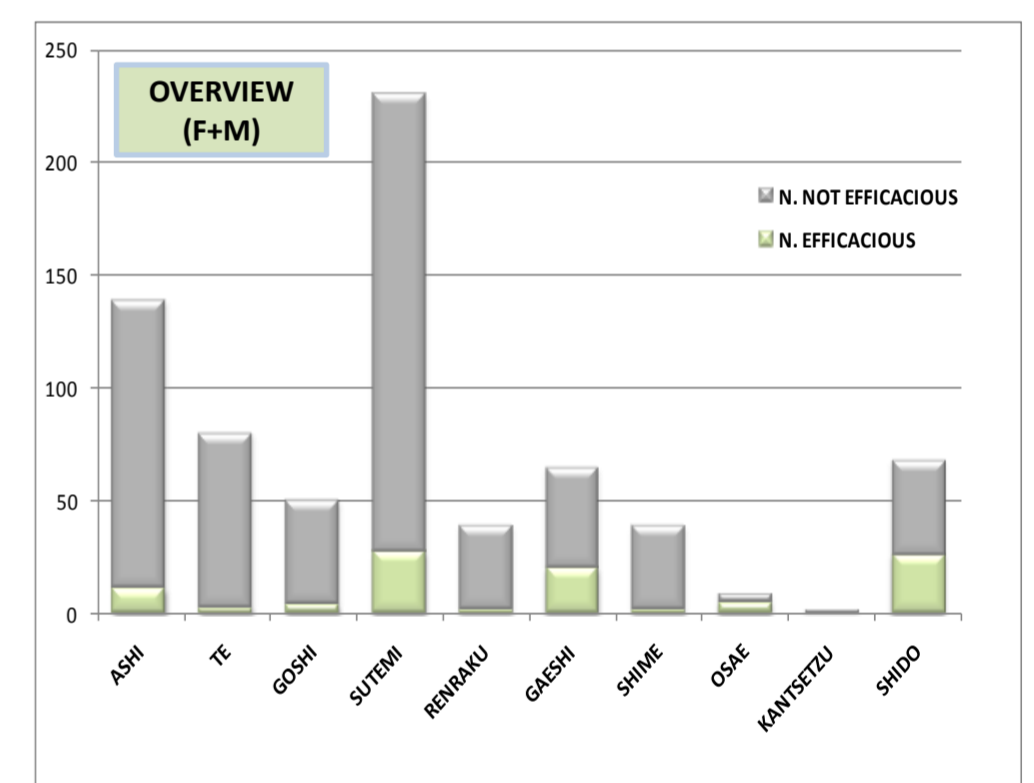
MALE kg	NUMBER OF ACTIONS									
	ASHI	TE	GOSHI	SUTEMI	RENRAKU	GAESHI	SHIME	OSAE	KANTSETZU	SHIDO
55	24	2	1	26	4	1				6
60	25	19	8	34	10	12	6	1	1	10
66	16	2	5	14	2	9	1			1
73	12	15	7	23	5	9	3			11
>73	4	1	1	16	0	3	1			9
TOT	81	39	22	113	21	34	11	1	1	37

The software used for the match analysis was Dartfish Connect.

EFFICACY

FEMALE	EFFICACY			
	N. TOTAL	% ACTION	N. EFFICACIOUS	% EFFICACIOUS
ASHI	58	16,1%	5	8,62%
TE	41	11,4%	2	4,9%
GOSHI	28	7,8%	4	14,3%
SUTEMI	117	32,4%	9	7,7%
RENRAKU	18	5,0%	2	11,1%
GAESHI	31	8,6%	13	41,9%
SHIME	28	7,8%	3	10,7%
OSAE	8	2,2%	5	62,5%
KANTSETZU	1	0,3%	1	100,0%
SHIDO	31	8,6%	0	0,0%
TOTAL	361	100,0%	44	12,2%

MALE	EFFICACY			
	N. TOTAL	% ACTION	N. EFFICACIOUS (4-6)	% EFFICACIOUS
ASHI	81	22,5%	6	7,4%
TE	39	10,8%	1	2,6%
GOSHI	22	6,1%	1	4,5%
SUTEMI	113	31,4%	18	15,9%
RENRAKU	21	5,8%	1	4,8%
GAESHI	34	9,4%	7	20,6%
SHIME	11	3,1%	0	0,0%
OSAE	1	0,3%	0	0,0%
KANTSETZU	1	0,3%	1	100,0%
SHIDO	37	10,3%	0	0,0%
TOTAL	360	100,0%	35	9,7%



METHODOLOGY

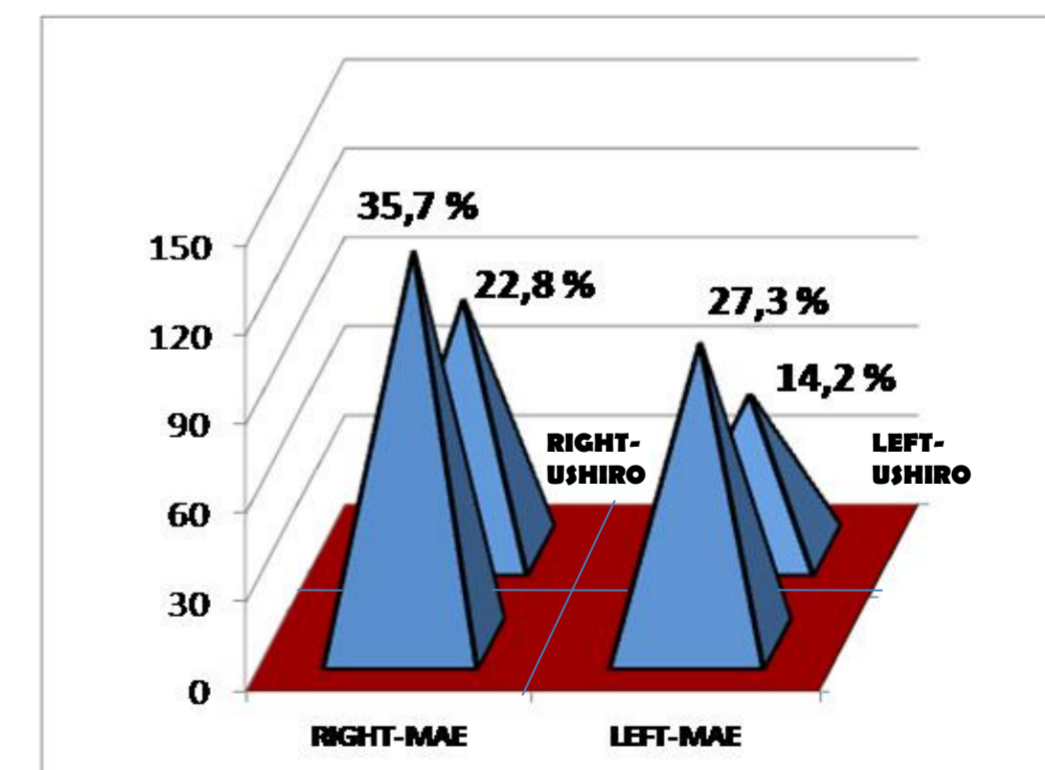
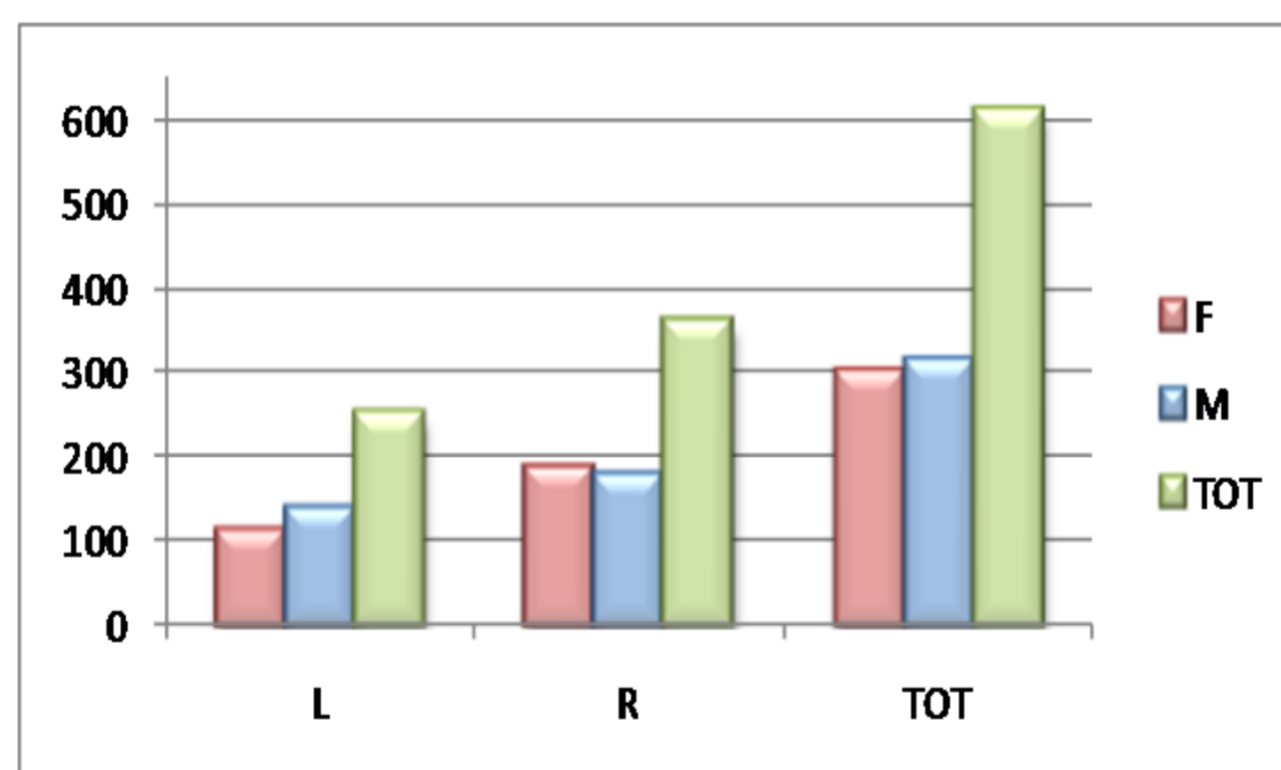
We considered the following variables, divided by gender and weight classes :

- the frequency and the types of the actions ;
- the efficacy of the actions;
- the laterality (*left, right*) and the direction (*ushiro-mae*) of the actions.

We included the "dropped *Seoi nage*" and the "dropped *Kata guruma*" in *Sutemi* techniques.

We classified a scored action as an "efficacious technique".

LATERALITY and DIRECTION



CONCLUSIONS

1. The most frequent *Nage-waza* techniques are *Sutemi-waza* (M= 31.4%; F= 32.4%), followed by *Ashi-waza* both for males (22.5%) and for females (16.1%). Regarding *Ne-waza*, we can note the dominance of *Shime-waza* both for male than for female (M=3.1%; ; F= 7.8%). It is important to underline that female use with more frequency the ground fight than male (M=13; F=37);
2. The most efficacious techniques are, for *Nage-waza*, *Gaeshi-waza* (30.8 %), followed by *Te-waza ushiro* (13.3 %) and *Sutemi-waza* (11.7 %). Concerning *Ne-waza* they are *Osaewaza* (55.6 %);
3. The major number of techniques were executed to the right side, in particular the most frequent techniques to *mae*-right side and the less frequent to the *ushiro*-left side.

FUTURE PERSPECTIVES

- Sterkowicz S., Maslej P., "An evaluation of modern tendencies in solving judo fight "1998
- Sterkowicz S., Maslej P., "An evaluation of the technical and tactical aspect of judo matches at the seniors level"
- Sacripanti A. Pasculli A., "Judo match analysis an undervalued coaching help", 2006
- Heinisch H. "L'analisi dell'allenamento e della gara", 1997
- Franchini E. "Tática e técnica no judô de alto nível (1995-2001): considerações sobre as categorias de peso e os gêneros", 2003
- Franchini E., Sterkowicz S., et al. "Technical variation in a simple of high level judo players", 2008
- Miarka B., "Construção, validação e aplicação de um programa computadorizado para análise de ações técnica e táticas em atletas de judo: diferenças entre classes, categorias e níveis competitivos", 2010

The next step of judo match analysis will be first of all an increase of the number of considered fights in order to analyze more deeply the data. As future development, we could also take into consideration the following parameters: time between *hajime* and first grip, grip analysis (lapel, sleeve and back) and the *tatami's* area where the technique was executed .