

QUALITY STATISTICAL ANALYSIS OF THE MATCHES ON THE WRESTLING COMPETITIONS

EUROPEAN CHAMPIONSHIP FOR U23 IN NOVI SAD, 2019

INTRODUCTION

Every big wrestling competition (Olympics, World Championships, Continental Championships, qualifying tournaments for the Olympic Games and tournaments from the Ranking Series) should have high quality statistical data processing.

The current official Bulletin from wrestling competitions contains only numerical data of the winning points, classification points and the duration of the fight. Based on these data it is not possible to make any quality statistical analysis of the important wrestling competition.

For the above reasons, a unified monitoring system for large wrestling competitions is proposed with the aim to make a quality statistical analysis after various parameters after the completion of the important wrestling competition. A special accent was placed on the analysis of the points won on the basis of the performed wrestling actions in relation to the number of points won which are not the result of the performed wrestling techniques (TECHNICAL POINTS - TP), but the points obtained due to certain violations of the rules of wrestling (OTHER POINTS - OP).

In order to implement a new monitoring system at the wrestling competitions, it is necessary to prepare an IT software that will collect all the necessary data, place those data in the database, and then make good statistical data processing for every wrestling match, as well as data for all held matches in the analyzed wrestling competition.

For the needs of the new tracking system of the wrestling match, it is necessary to provide a wrestling expert (trainer) who will monitor every wrestling match on the computer and write down all performed actions in real time.

Since that at the big wrestling championships all the matches are recorded and in case of doubt regarding the individual assessment and assessment of the technique, it is necessary to review the video later in order to decide which wrestling technique is performed.

In order to realize this tracking system of the wrestling competitions, UWW should prepare a software based on which all the data will be automatically generated and based on them, the results on various bases (analysis of all matches, analysis of weight categories, analysis by nation, analysis of medal matches and analysis the best wrestlers on the championship).

All analyzed data prepared in this way will significantly help all scientific workers in the analysis of wrestling matches.

Having prepared material as mentioned above, many scientific analysis can be done. By analyzing wrestling championships in this way, the time will be significantly reduced for the preparation of scientific work in wrestling. This will greatly improve even wrestling, i.e. the scientific aspect of observing wrestling matches. Because, the more scientific works from the wrestling, it is better for our sport.

07.04.2019. Corsier-sur-Vevey, Switzerland

OVERVIEW OF ANALYZED SEGMENTS OF WRESTLING MATCHES

Since there are differences in the wrestling rules for the Greco Roman style in addition to Free Style and Women's Wrestling, it is necessary to establish two ways of analyzing the styles.

Table 1.

Sn	Points for performed wrestling techniques (technical points - TP)	Position - Standing (S)	Segment analysis	Number points	Mark	
	Points for violation of wrestling rules (other points - OP)	Position - Parterre (P)				
GR STYLE (GR)						
1.	TP	S	THROWS	2,4,5	TPSTHGR	
2.			TAKE DOWN	2	TPSTDGR	
3.			COUNTER	2	TPSCGR	
4.			PASIVITY	1	OPSPAGR	
5.	OP		NEGATIVE WRESTLING	2	OPSNWGR	
6.			CHALLENGE	1	OPSCHGR	
7.			PUSH OUT	1	OPSPOGR	
8.			CAUTION	2	OPSCAGR	
9.	TP	P	GUT WRENCH	2	TPPGWGR	
10.			LIFTS	2,4,5	TPPLIGR	
11.			TURN OVER	2	TPPTOGR	
12.			COUNTER	1,2	TPPCOGR	
13.	OP		CHALLENGE	1	OPPCHGR	
14.			CAUTION	2	OPPCAGR	
FREE STYLE (FS)						
15.	TP		S	THROWS	2,4,5	TPSTHFS
16.		LEG ATTACS		2	TPSLAFS	
17.		TAKE DOWN		2	TPSTDFS	
18.		COUNTER		2	TPSCOFS	
19.	OP	ACTIVITY TIME		1	OPSATFS	
20.		NEGATIVE WRESTLING		1	OPSNWFS	
21.		CHALLENGE		1	OPSCHFS	
22.		PUSH OUT		1	OPSPOFS	
23.	TP	P	CAUTION	1	OPSCAFS	
24.			GUT WRENCH	2	TPPGWFS	
25.			LIFTS	1	TPPLIFS	
26.			TURN OVER	2	TPPTOFS	
27.	OP		ANCL LACE	2	TPPALFS	
28.			COUNTER	1,2	TPPCOFS	
29.			CHALLENGE	1	OPPCHFS	
30.			CAUTION	1	OPPCAFS	
WOMEN'S WRESTLING (WW)						
31.	TP	S	THROWS	2,4,5	TPSTHWW	
32.			LEG ATTACS	2	TPSLAWW	
33.			TAKE DOWN	2	TPSTDWW	
34.			COUNTER	2	TPSCOWW	
35.	OP		ACTIVITY TIME	1	OPSATWW	
36.			NEGATIVE WRESTLING	1	OPSNWWW	
37.			CHALLENGE	1	OPSCHWW	
38.			PUSH OUT	1	OPSPOWW	
39.	TP	P	CAUTION	1	OPSCAWW	
40.			GUT WRENCH	2	TPPGWWW	
41.			LIFTS	1	TPPLIWW	
42.			TURN OVER	2	TPPTOWW	
43.	OP		ANCL LACE	2	TPPALWW	
44.			COUNTER	1,2	TPPCOWW	
45.			CHALLENGE	1	OPPCHWW	
46.			CAUTION	1	OPPCAWW	

CONTENT ANALYSIS SEPARATLY FOR: GR; FS; WW

QUALITY STATISTICAL ANALYSIS OF THE MATCHES - ONLY GR STYLE

I – GENERAL DATA /GR,

- 1) GR - TECHNICAL POINTS AND % (PERCENTAGE) IN ALL MATCHES – ALL WRESTLING TECHNICS
- 2) GR - TOTAL POINTS FOR STANDING AND PARTERRE TECHNICS
- 3) GR - TOTAL POINTS AND % (PERCENTAGE) IN ALL MATCHES – 1. TECHNICAL POINTS, 2. OTHER POINTS
- 4) GR - TOTAL TECHNICAL POINTS AND OTHER POINTS
- 5) GR - WQ/min (total points per minute) ALL MATCHES

II - WEIGHT CATEGORY /GR,

- 6) GR - WEIGHT CATEGORY TOTAL TECHNICAL POINTS AND % (PERCENTAGE) – ALL WRESTLING TECHNICS
- 7) GR - WEIGHT CATEGORY TOTAL % (PERCENTAGE) ALL MATCHES – STANDING OR PARTERRE TECHNICS
- 8) GR - DIFFERENCE – % (PERCENTAGE) OF STANDING AND PARTERRE TECHNICS
- 9) GR - WEIGHT CATEGORY TOTAL POINTS AND % (PERCENTAGE) – 1. TECHNICS POINTS, 2. OTHER POINTS
- 10) GR - REVIEW - TECHNICS POINTS/OTHER POINTS (BY CATEGORY)
- 11) GR - DIFFERENCE – TECHNICS POINTS/OTHER POINTS (BY CATEGORY)
- 12) GR - WQ/min (total points per minute) PER WEIGHT CATEGORY

III – NATIONAL TEAMS /GR

- 13) GR - NATIONAL TEAM TOTAL TECHNICAL POINTS IN ALL MATCHES: PER WRESTLING TECHNICS, CLASIFICATION POINTS, TOTAL MATCHES, NUMBER OF VICTORY MATCHES, NUMBER OF LOST MATCHES, % VICTORY MATCHES
- 14) GR - NATIONAL TEAM TOTAL OF TECHNICAL POINTS AND % (PERCENTAGE) IN ALL MATCHES – STANDING OR PARTERRE TECHNICS
- 15) GR - NATIONAL TEAM TOTAL POINTS AND % (PERCENTAGE) IN ALL MATCHES – 1. TECHNICAL POINTS, 2. OTHER POINTS
- 16) GR - NATIONAL TEAM – WQ/min (total points per minute)

IV – MEDAL MATCHES (I-II; III-V) /GR

- 17) GR - MEDAL MATCHES (I-II; III-V) TOTAL OF TECHNICAL POINTS AND % (PERCENTAGE) – ALL WRESTLING TECHNICS
- 18) GR - MEDAL MATCHES (I-II; III-V) TOTAL % (PERCENTAGE) OF POINTS IN ALL MATCHES – STANDING AND PARTERRE TECHNICS
- 19) GR - MEDAL MATCHES (I-II; III-V) POINTS AND % (PERCENTAGE) IN ALL MATCHES – 1. TECHNICS POINTS, 2. OTHER POINTS
- 20) GR - MEDAL MATCHES (I-II; III-V) TOTAL TECHNICAL POINTS AND OTHER POINTS
- 21) GR - WQ/min (total points per minute) PER MEDAL MATCHES (I-II; III-V)

V – ALL WINNERS WRESTLERS /GR

- 22) GR – ALL WINNERS WRESTLERS PER CATEGORY - WON POINTS
- 23) GR – ALL WINNERS WRESTLERS PER CATEGORY - LOST POINTS
- 24) GR – MOST SUCCESSFUL WRESTLERS (INDEX – IMS)

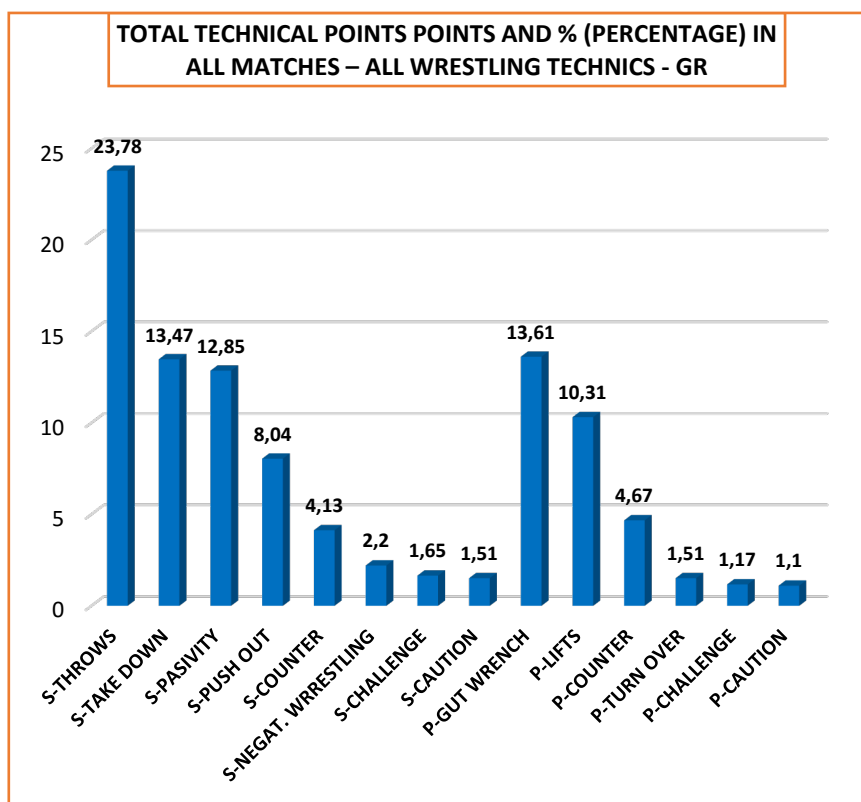
VI - CONCLUSION

EXAMPLE OF ANALYSIS OF ALL MATCHES – GR STYLE

1. GR - TECHNICAL POINTS AND % (PERCENTAGE) IN ALL MATCHES – ALL WRESTLING TECHNIQS

Table 2.

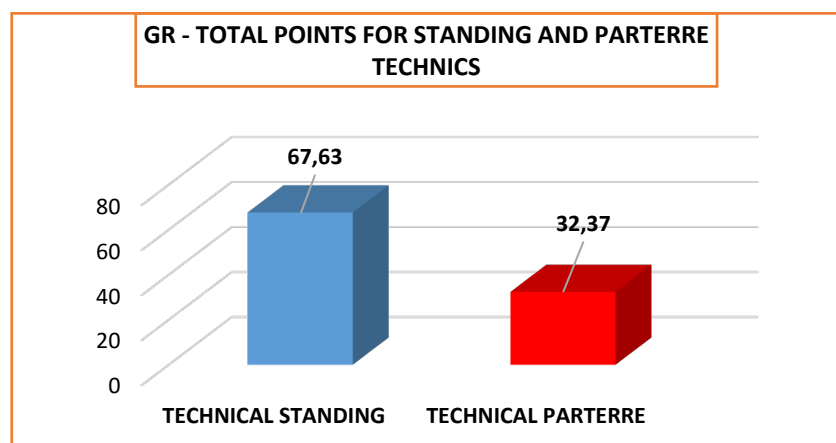
Sn	WRESTLING TECHNIQS	No. points	%
STANDING POSITION			
1	S-THROWS	346	23.78
2	S-TAKE DOWN	196	13.47
3	S-PASIVITY	187	12.85
4	S-PUSH OUT	117	8.04
5	S-COUNTER	60	4.13
6	S-NEGAT. WRESTLING	32	2.20
7	S-CHALLENGE	24	1.65
8	S-CAUTION	22	1.51
TOTAL STANDING =		984	67.63
PARTERRE POSITION			
1	P-GUT WRENCH	198	13.61
2	P-LIFTS	150	10.31
3	P-COUNTER	68	4.67
4	P-TURN OVER	22	1.51
5	P-CHALLENGE	17	1.17
6	P-CAUTION	16	1.10
TOTAL PARTERRE =		471	32.37
ALL TOTAL =		1455	100.00



2. GR - TOTAL POINTS FOR STANDING AND PARTERRE TECHNIQS

Table 3.

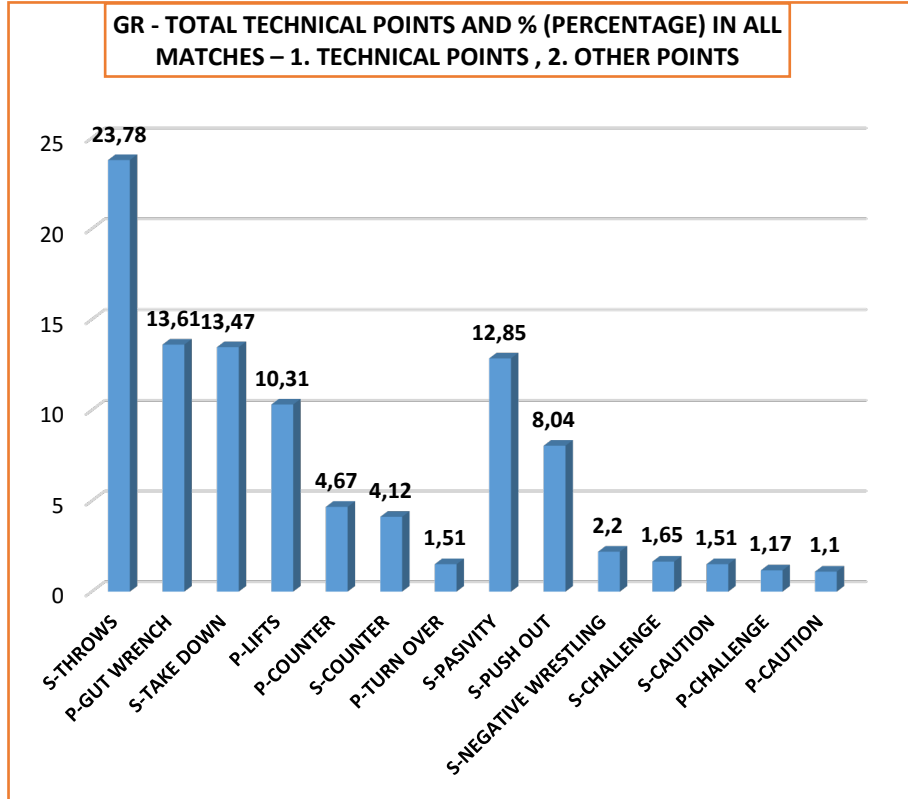
Sn.	POSITION	No. points	%
1	TECHNICAL STANDING POSITION	984	67.63
2	TECHNICAL PARTERRE POSITION	471	32.37
TOTAL =		1455	100.00



3. GR - GR - TOTAL POINTS AND % (PERCENTAGE) IN ALL MATCHES – 1. TECHNICAL POINTS, 2. OTHER POINTS

Table 4.

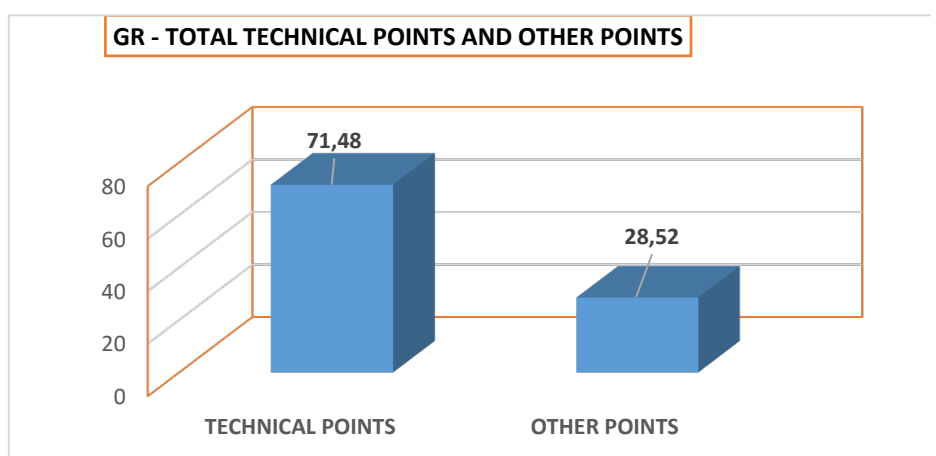
Sn	WRESTLING TECHNIQS	No. points	%
TECHNICAL POINTS			
1	S-THROWS	346	23.78
2	P-GUT WRENCH	198	13.61
3	S-TAKE DOWN	196	13.47
4	P-LIFTS	150	10.31
5	P-COUNTER	68	4.67
6	S-COUNTER	60	4.12
7	P-TURN OVER	22	1.51
TOTAL TECHNICAL POINTS =		980	71.48
OTHER POINTS			
1	S-PASIVITY	187	12.85
2	S-PUSH OUT	117	8.04
3	S-NEGATIVE WRESTLING	32	2.20
4	S-CHALLENGE	24	1.65
5	S-CAUTION	22	1.51
6	P-CHALLENGE	17	1.17
7	P-CAUTION	16	1.10
TOTAL OTHER POINTS		475	28.52
ALL TOTAL =		1455	100.00



4. GR - TOTAL TECHNICAL POINTS AND OTHER POINTS

Table 5.

Sn.	TYPE OF POINTS	No. points	%
1	TECHNICAL POINTS	980	71.48
2	OTHER POINTS	475	28.52
TOTAL =		1455	100.00



5. GR - WQ/min (total points per minute) ALL MATCHES

Table 6.

WQ/min (total points per minute) for all matches =	1.79 points per minute
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6. GR - WEIGHT CATEGORY TOTAL TECHNICAL POINTS AND % (PERCENTAGE) – ALL WRESTLING TECHNICS

LIGHT CATEGORY

Table 7.

55 kg - GR			
Sn	Technics	Points	%
	STANDING		
1	S-TAKE DOWN	30	19.35
2	S-THROWS	28	18.06
3	S-PASIVITY	16	10.32
4	S-PUSH OUT	8	5.16
5	S-COUNTER	4	2.58
6	S-CHALLENGE	3	1.94
7	S-CAUTION	2	1.29
8	S-NEGATIVE WRESTLING	0	0.00
	TOTAL STANDING =	91	58.71
	PARTERE		
1	P-LIFTS	26	16.77
2	P-GUT WRENCH	18	11.61
3	P-COUNTER	12	7.74
4	P-TURN OVER	6	3.87
5	P-CHALLENGE	2	1.29
6	P-CAUTION	0	0.00
	TOTAL PARTERRE =	64	41.29
	TOTAL =	155	100.00

Table 8.

60 kg - GR			
Sn	Technics	Points	%
	STANDING		
1	S-THROWS	24	19.83
2	S-TAKE DOWN	16	13.22
3	S-PUSH OUT	14	11.57
4	S-PASIVITY	12	9.92
5	S-NEGATIVE WRESTLING	6	4.96
6	S-COUNTER	4	3.31
7	S-CAUTION	4	3.31
8	S-CHALLENGE	2	1.65
	TOTAL STANDING =	82	67.77
	PARTERE		
1	P-GUT WRENCH	28	23.14
2	P-LIFTS	8	6.61
3	P-COUNTER	2	1.65
4	P-CHALLENGE	1	0.83
5	P-TURN OVER	0	0.00
6	P-CAUTION	0	0.00
	TOTAL PARTERRE =	39	32.23
	TOTAL =	121	100.00

Table 9.

63 kg - GR			
Sn	Technics	Points	%
	STANDING		
1	S-THROWS	34	19.10
2	S-TAKE DOWN	32	17.98
3	S-PUSH OUT	15	8.43
4	S-PASIVITY	14	7.87
5	S-COUNTER	10	5.62
6	S-NEGATIVE WRESTLING	8	4.49
7	S-CAUTION	2	1.12
8	S-CHALLENGE	1	0.56
	TOTAL STANDING =	116	65.17
	PARTERE		
1	P-LIFTS	32	17.98
2	P-GUT WRENCH	24	13.48
3	P-COUNTER	3	1.69
4	P-CAUTION	2	1.12
5	P-CHALLENGE	1	0.56
6	P-TURN OVER	0	0.00
	TOTAL PARTERRE =	62	34.83
	TOTAL =	178	100.00

Table 10.

67 kg - GR			
Sn	Technics	Points	%
	STANDING		
1	S-THROWS	34	22.22
2	S-PASIVITY	21	13.73
3	S-TAKE DOWN	14	9.15
4	S-CHALLENGE	3	1.96
5	S-PUSH OUT	3	1.96
6	S-COUNTER	2	1.31
7	S-CAUTION	2	1.31
8	S-NEGATIVE WRESTLING	0	0.00
	TOTAL STANDING =	79	51.63
	PARTERE		
1	P-LIFTS	38	24.84
2	P-GUT WRENCH	16	10.46
3	P-COUNTER	13	8.50
4	P-CAUTION	4	2.61
5	P-CHALLENGE	3	1.96
6	P-TURN OVER	0	0.00
	TOTAL PARTERRE =	74	48.37
	TOTAL =	153	100.00

MIDDLE CATEGORY

Table 11.

72 kg - GR			
Sn	Technics	Points	%
	STANDING		
1	S-THROWS	52	31.90
2	S-TAKE DOWN	12	7.36
3	S-COUNTER	8	4.91
4	S-PASIVITY	19	11.66
5	S-NEGATIVE WRESTLING	4	2.45
6	S-CHALLENGE	3	1.84
7	S-PUSH OUT	8	4.91
8	S-CAUTION	0	0.00
	TOTAL STANDING =	106	65.03
	PARTERE		
1	P-GUT WRENCH	22	13.50
2	P-LIFTS	16	9.82
3	P-TURN OVER	4	2.45
4	P-COUNTER	9	5.52
5	P-CHALLENGE	2	1.23
6	P-CAUTION	4	2.45
	TOTAL PARTERRE =	57	34.97
	TOTAL =	163	100.00

Table 12.

77 kg - GR			
Sn	Technics	Points	%
	STANDING		
1	S-THROWS	36	24.66
2	S-PASIVITY	32	21.92
3	S-TAKE DOWN	20	13.70
4	S-PUSH OUT	11	7.53
5	S-NEGATIVE WRESTLING	4	2.74
6	S-CHALLENGE	2	1.37
7	S-COUNTER	2	1.37
8	S-CAUTION	0	0.00
	TOTAL STANDING =	107	73.29
	PARTERE		
1	P-GUT WRENCH	30	20.55
2	P-LIFTS	2	1.37
3	P-TURN OVER	2	1.37
4	P-COUNTER	2	1.37
5	P-CHALLENGE	3	2.05
6	P-CAUTION	0	0.00
	TOTAL PARTERRE =	39	26.71
	TOTAL =	146	100.00

Table 13.

82 kg - GR			
Sn	Technics	Points	%
	STANDING		
1	S-TAKE DOWN	26	20.47
2	S-PASIVITY	21	16.54
3	S-THROWS	18	14.17
4	S-PUSH OUT	21	16.54
5	S-CAUTION	6	4.72
6	S-COUNTER	4	3.15
7	S-CHALLENGE	2	1.57
8	S-NEGATIVE WRESTLING	0	0.00
	TOTAL STANDING =	98	77.17
	PARTERE		
1	P-GUT WRENCH	14	11.02
2	P-LIFTS	10	7.87
3	P-COUNTER	4	3.15
4	P-CHALLENGE	1	0.79
5	P-TURN OVER	0	0.00
6	P-CAUTION	0	0.00
	TOTAL PARTERRE =	29	22.83
	TOTAL =	127	100.00

Table 14.

87 kg - GR			
Sn	Technics	Points	%
	STANDING		
1	S-THROWS	66	39.05
2	S-TAKE DOWN	18	10.65
3	S-PASIVITY	13	7.69
4	S-PUSH OUT	12	7.10
5	S-NEGATIVE WRESTLING	6	3.55
6	S-COUNTER	4	2.37
7	S-CHALLENGE	3	1.78
8	S-CAUTION	0	0.00
	TOTAL STANDING =	122	72.19
	PARTERE		
1	P-GUT WRENCH	14	8.28
2	P-COUNTER	12	7.10
3	P-TURN OVER	8	4.73
4	P-LIFTS	6	3.55
5	P-CAUTION	4	2.37
6	P-CHALLENGE	3	1.78
	TOTAL PARTERRE =	47	27.81
	TOTAL =	169	100.00

HEAVYWEIGHT CATEGORY

Table 15.

97 kg - GR			
Sn	Technics	Points	%
	STANDING		
1	S-THROWS	26	22.22
2	S-PASIVITY	17	14.53
3	S-COUNTER	14	11.97
4	S-PUSH OUT	11	9.40
5	S-TAKE DOWN	10	8.55
6	S-CAUTION	4	3.42
7	S-CHALLENGE	3	2.56
8	S-NEGATIVE WRESTLING	2	1.71
	TOTAL STANDING =	87	74.36
	PARTERRE		
1	P-LIFTS	12	10.26
2	P-COUNTER	7	5.98
3	P-GUT WRENCH	6	5.13
4	P-TURN OVER	2	1.71
5	P-CAUTION	2	1.71
6	P-CHALLENGE	1	0.85
	TOTAL PARTERRE =	30	25.64
	TOTAL =	117	100.00

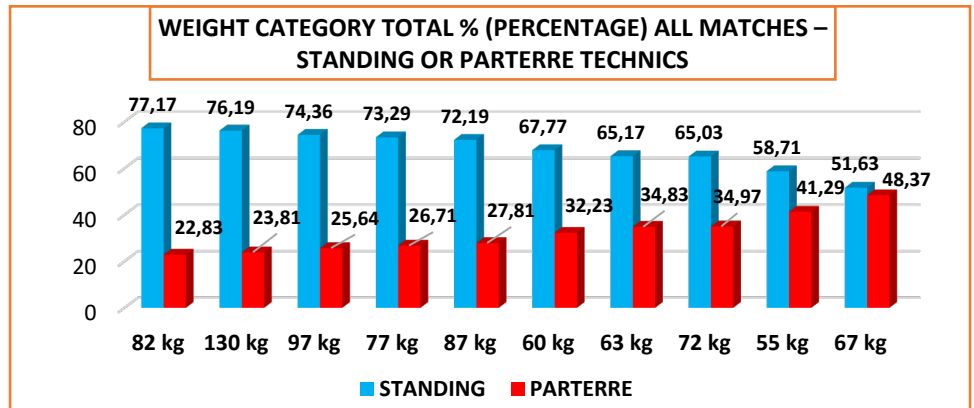
Table 16.

130 kg - GR			
Sn	Technics	Points	%
	STANDING		
1	S-THROWS	28	22.22
2	S-PASIVITY	22	17.46
3	S-TAKE DOWN	18	14.29
4	S-PUSH OUT	14	11.11
5	S-COUNTER	8	6.35
6	S-NEGATIVE WRESTLING	2	1.59
7	S-CHALLENGE	2	1.59
8	S-CAUTION	2	1.59
	TOTAL STANDING =	96	76.19
	PARTERRE		
1	P-GUT WRENCH	26	20.63
2	P-COUNTER	4	3.17
3	P-LIFTS	0	0.00
4	P-TURN OVER	0	0.00
5	P-CHALLENGE	0	0.00
6	P-CAUTION	0	0.00
	TOTAL PARTERRE =	30	23.81
	TOTAL =	126	100.00

7. GR - WEIGHT CATEGORY TOTAL % (PERCENTAGE) ALL MATCHES – STANDING OR PARTERRE TECHNICS

Table 17.

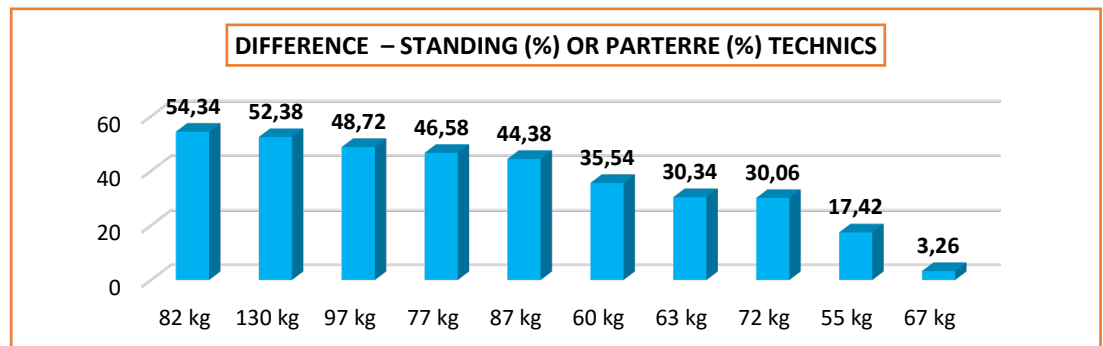
Sn	Cat	STANDING	PARTERRE
1	82 kg	77.17	22.83
2	130 kg	76.19	23.81
3	97 kg	74.36	25.64
4	77 kg	73.29	26.71
5	87 kg	72.19	27.81
6	60 kg	67.77	32.23
7	63 kg	65.17	34.83
8	72 kg	65.03	34.97
9	55 kg	58.71	41.29
10	67 kg	51.63	48.37



8. GR - DIFFERENCE – % (PERCENTAGE) OF STANDING AND PARTERRE TECHNICS

Table 18.

Sn	Kat.	DIFFERENCE
1	82 kg	54.34
2	130 kg	52.38
3	97 kg	48.72
4	77 kg	46.58
5	87 kg	44.38
6	60 kg	35.54
7	63 kg	30.34
8	72 kg	30.06
9	55 kg	17.42
10	67 kg	3.26



9. GR - WEIGHT CATEGORY TOTAL POINTS AND % (PERCENTAGE) – 1. TECHNICS POINTS, 2. OTHER POINTS

LIGHT CATEGORY

Table 19.

55 kg - GR			
Sn	Technics	Points	%
TECHNICS POINTS			
1	S-TAKE DOWN	30	8.85
2	S-THROWS	28	8.26
3	P-LIFTS	26	7.67
4	P-GUT WRENCH	18	5.31
5	P-COUNTER	12	3.54
6	P-TURN OVER	6	1.77
7	S-COUNTER	4	1.18
TOTAL TECHNICS POINTS =		124	80.00
OTHER POINTS			
1	S-PASIVITY	16	10.32
2	S-PUSH OUT	8	5.16
3	S-CHALLENGE	3	1.94
4	P-CHALLENGE	2	1.29
5	S-CAUTION	2	1.29
6	P-CAUTION	0	0.00
7	S-NEGATIVE WRESTLING	0	0.00
TOTAL OTHER POINTS =		31	20.00
TOTAL =		155	100.00

Table 20.

60 kg - GR			
Sn	Technics	Points	%
TECHNICS POINTS			
1	S-THROWS	24	19.83
2	P-GUT WRENCH	28	23.14
3	S-TAKE DOWN	16	13.22
4	P-LIFTS	8	6.61
5	S-COUNTER	4	3.31
6	P-COUNTER	2	1.65
7	P-TURN OVER	0	0.00
TOTAL TECHNICS POINTS =		82	67.77
OTHER POINTS			
1	S-PUSH OUT	14	11.57
2	S-PASIVITY	12	9.92
3	S-NEGATIVE WRESTLING	6	4.96
4	S-CAUTION	4	3.31
5	S-CHALLENGE	2	1.65
6	P-CHALLENGE	1	0.83
7	P-CAUTION	0	0.00
TOTAL OTHER POINTS =		39	32.23
TOTAL =		121	100.00

Table 21.

63 kg - GR			
Sn	Technics	Points	%
TECHNICS POINTS			
1	S-THROWS	34	19.10
2	S-TAKE DOWN	32	17.98
3	P-LIFTS	32	17.98
4	P-GUT WRENCH	24	13.48
5	S-COUNTER	10	5.62
6	P-COUNTER	3	1.69
7	P-TURN OVER	0	0.00
TOTAL TECHNICS POINTS =		135	75.84
OTHER POINTS			
1	S-PUSH OUT	15	8.43
2	S-PASIVITY	14	7.87
3	S-NEGATIVE WRESTLING	8	4.49
4	S-CAUTION	2	1.12
5	P-CAUTION	2	1.12
6	P-CHALLENGE	1	0.56
7	S-CHALLENGE	1	0.56
TOTAL OTHER POINTS =		43	24.16
TOTAL =		178	100.00

Table 22.

67 kg - GR			
Sn	Technics	Points	%
TECHNICS POINTS			
1	S-THROWS	34	22.22
2	P-LIFTS	38	105.56
3	P-GUT WRENCH	16	44.44
4	S-TAKE DOWN	14	9.15
5	P-COUNTER	13	36.11
6	S-COUNTER	2	1.31
7	P-TURN OVER	0	0.00
TOTAL TECHNICS POINTS =		117	76.47
OTHER POINTS			
1	S-PASIVITY	21	13.73
2	P-CAUTION	4	2.61
3	S-CHALLENGE	3	1.96
4	S-PUSH OUT	3	1.96
5	P-CHALLENGE	3	1.96
6	S-CAUTION	2	1.31
7	S-NEGATIVE WRESTLING	0	0.00
TOTAL OTHER POINTS =		36	23.53
TOTAL =		153	100.00

MIDDLE CATEGORY

Table 23.

72 kg - GR			
Sn	Technics	Points	%
TECHNICS POINTS			
1	S-THROWS	52	31.90
2	S-TAKE DOWN	12	7.36
3	S-COUNTER	8	4.91
4	P-GUT WRENCH	22	13.50
5	P-LIFTS	16	9.82
6	P-TURN OVER	4	2.45
7	P-COUNTER	9	5.52
TOTAL TECHNICS POINTS =		123	75.46
OTHER POINTS			
1	S-PASIVITY	19	11.66
2	S-NEGATIVE WRESTLING	4	2.45
3	S-CHALLENGE	3	1.84
4	S-PUSH OUT	8	4.91
5	S-CAUTION	0	0.00
6	P-CHALLENGE	2	1.23
7	P-CAUTION	4	2.45
TOTAL OTHER POINTS =		40	24.54
TOTAL =		163	100.00

Table 24.

77 kg - GR			
Sn	Technics	Points	%
TECHNICS POINTS			
1	S-THROWS	36	24.66
2	P-GUT WRENCH	30	20.55
3	S-TAKE DOWN	20	13.70
4	S-COUNTER	2	1.37
5	P-LIFTS	2	1.37
6	P-TURN OVER	2	1.37
7	P-COUNTER	2	1.37
TOTAL TECHNICS POINTS =		94	64.38
OTHER POINTS			
1	S-PASIVITY	32	21.92
2	S-PUSH OUT	11	7.53
3	P-CHALLENGE	3	2.05
4	S-NEGATIVE WRESTLING	4	2.74
5	S-CHALLENGE	2	1.37
6	S-CAUTION	0	0.00
7	P-CAUTION	0	0.00
TOTAL OTHER POINTS =		52	35.62
TOTAL =		146	100.00

Table 25

82 kg - GR			
Sn	Technics	Points	%
TECHNICS POINTS			
1	S-TAKE DOWN	26	20.47
2	S-THROWS	18	14.17
3	P-GUT WRENCH	14	11.02
4	P-LIFTS	10	7.87
5	P-COUNTER	4	3.15
6	S-COUNTER	4	3.15
7	P-TURN OVER	0	0.00
TOTAL TECHNICS POINTS =		76	59.84
OTHER POINTS			
1	S-PASIVITY	21	16.54
2	S-PUSH OUT	21	16.54
3	S-CHALLENGE	2	1.57
4	S-CAUTION	6	4.72
5	P-CHALLENGE	1	0.79
6	S-NEGATIVE WRESTLING	0	0.00
7	P-CAUTION	0	0.00
TOTAL OTHER POINTS =		51	40.16
TOTAL =		127	100.00

Table 26

87 kg - GR			
Sn	Technics	Points	%
TECHNICS POINTS			
1	S-THROWS	66	39.05
2	S-TAKE DOWN	18	10.65
3	P-GUT WRENCH	14	8.28
4	P-COUNTER	12	7.10
5	P-TURN OVER	8	4.73
6	P-LIFTS	6	3.55
7	S-COUNTER	4	2.37
TOTAL TECHNICS POINTS =		76	59.84
OTHER POINTS			
1	S-PASIVITY	13	7.69
2	S-PUSH OUT	12	7.10
3	S-NEGATIVE WRESTLING	6	3.55
4	P-CAUTION	4	2.37
5	S-CHALLENGE	3	1.78
6	P-CHALLENGE	3	1.78
7	S-CAUTION	0	0.00
TOTAL OTHER POINTS =		51	40.16
TOTAL =		127	100.00

HEAVY WEIGHT CATEGORY

Table 27.

97 kg - GR			
Sn	Technics	Points	%
TECHNICS POINTS			
1	S-THROWS	26	22.22
2	S-COUNTER	14	11.97
3	P-LIFTS	12	10.26
4	S-TAKE DOWN	10	8.55
5	P-COUNTER	7	5.98
6	P-GUT WRENCH	6	5.13
7	P-TURN OVER	2	1.71
TOTAL TECHNICS POINTS =		77	65.81
OTHER POINTS			
1	S-PASIVITY	17	14.53
2	S-OUT	11	9.40
3	S-CAUTION	4	3.42
4	S-CHALLENGE	3	2.56
5	S-NEGATIVE WRESTLING	2	1.71
6	P-CAUTION	2	1.71
7	P-CHALLENGE	1	0.85
TOTAL OTHER POINTS =		40	34.19
TOTAL =		117	100.00

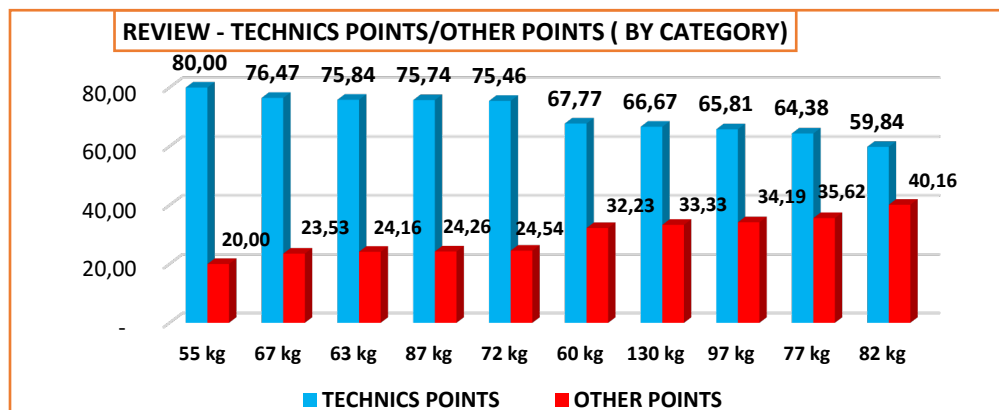
Table 28.

130 kg - GR			
Sn	Technics	Points	%
TECHNICS POINTS			
1	S-THROWS	28	22.22
2	P-GUT WRENCH	26	20.63
3	S-TAKE DOWN	18	14.29
4	S-COUNTER	8	6.35
5	P-COUNTER	4	3.17
6	P-TURN OVER	0	0.00
7	P-LIFTS	0	0.00
TOTAL TECHNICS POINTS =		84	66.67
OTHER POINTS			
1	S-PASIVITY	22	17.46
2	S-PUSH OUT	14	11.11
3	S-CHALLENGE	2	1.58
4	S-NEGATIVE WRESTLING	2	1.58
5	S-CAUTION	2	1.59
6	P-CHALLENGE	0	0.00
7	P-CAUTION	0	0.00
TOTAL OTHER POINTS =		42	33.33
TOTAL =		126	100.00

10. GR - REVIEW - TECHNICS POINTS/OTHER POINTS (BY CATEGORY)

Table 29.

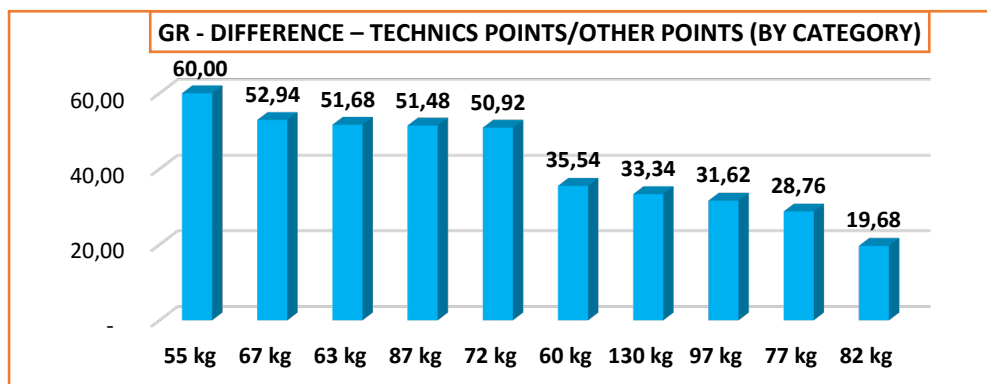
Sn	Cat	TECHNICS POINTS	OTHER POINTS
1	55 kg	80.00	20.00
2	67 kg	76.47	23.53
3	63 kg	75.84	24.16
4	87 kg	75.74	24.26
5	72 kg	75.46	24.54
6	60 kg	67.77	32.23
7	130 kg	66.67	33.33
8	97 kg	65.81	34.19
9	77 kg	64.38	35.62
10	82 kg	59.84	40.16



11. GR - DIFFERENCE – TECHNICS POINTS/OTHER POINTS (BY CATEGORY)

Table 30.

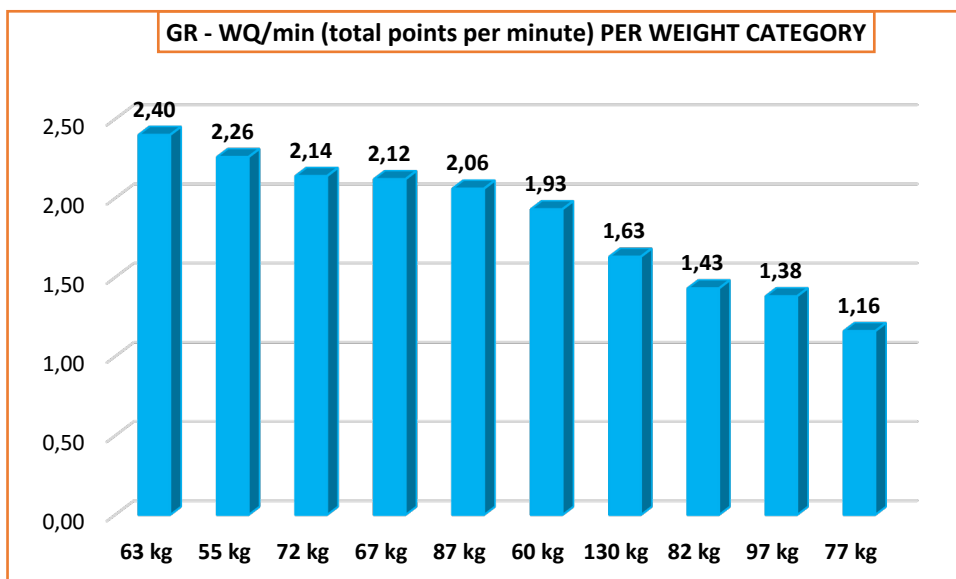
Sn	Cat	DIFFERENCE
1	55 kg	60.00
2	67 kg	52.94
3	63 kg	51.68
4	87 kg	51.48
5	72 kg	50.92
6	60 kg	35.54
7	130 kg	33.34
8	97 kg	31.62
9	77 kg	28.76
10	82 kg	19.68



12. GR - WQ/min (total points per minute) PER WEIGHT CATEGORY

Table 31.

Sn	Cat	WQ/min
1	63 kg	2.40
2	55 kg	2.26
3	72 kg	2.14
4	67 kg	2.12
5	87 kg	2.06
6	60 kg	1.93
7	130 kg	1.63
8	82 kg	1.43
9	97 kg	1.38
10	77 kg	1.16



13. GR - NATIONAL TEAM TOTAL TECHNICAL POINTS IN ALL MATCHES: PER WRESTLING TECHNICS, CLASIFICATION POINTS, TOTAL MATCHES, NUMBER OF VICTORY MATCHES, NUMBER OF LOST MATCHES, %

Table 32.

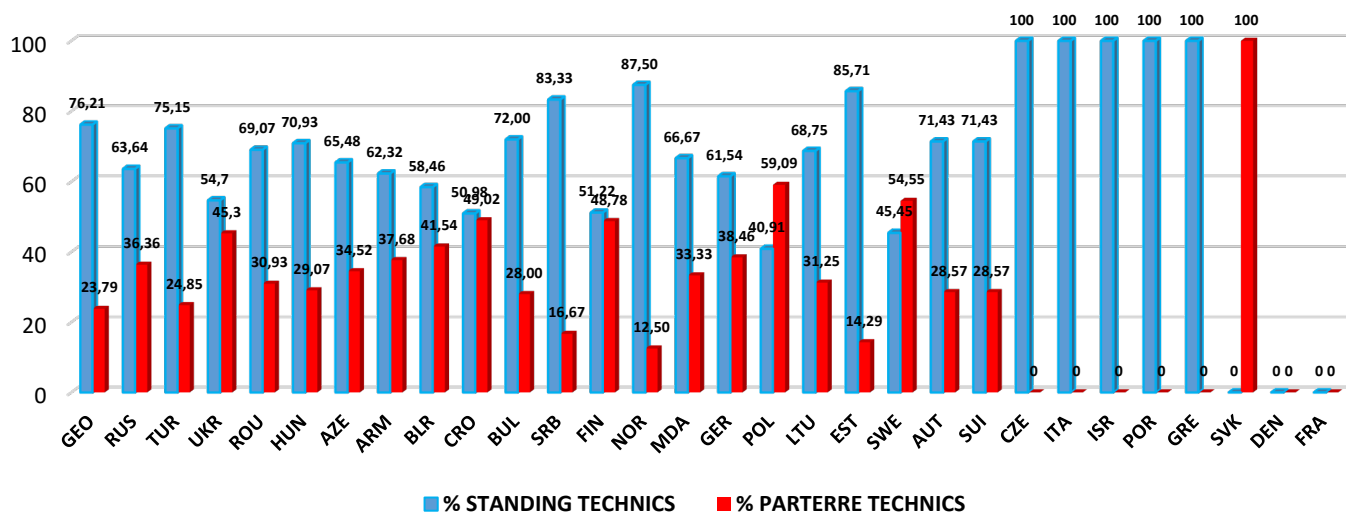
Sn	NATIONS	TIME	TECHNICS STANDING POSITION									TECHNICS PARTERRE POSITION							TECH. POINTS	CLASIF. POINTSP	TOTAL MATCHES	WINNER MATCHES	LOSER MATCHES	% VICTORY
			THROWS	TAKE DOWN	COUNTER	PASIVITY	NEGAT. WR	CHALLENGE	PUSH OUT	CAUTION	TOTAL STANDING	GUT WRENCH	LIFTS	TURN OVER	COUNTER	CHALLENGE	CAUTION	TOTAL PARTEREE						
1	GEO	170.36	72	34	6	16	4	3	22		157	14	18	2	12	3		49	206	101	36	29	7	80.56
2	RUS	181.48	31	28	12	25		4	15	4	119	26	24	2	11	1	4	68	187	97	36	26	10	72.22
3	TUR	165.82	26	28	4	28	10	4	24		124	24	8		4	1	4	41	165	80	32	23	9	71.88
4	ROU	83.69	38	4	4	12	2	4	3		67	16	6	2	6			30	97	50	20	12	8	60.00
5	UKR	101.98	19	14	4	13	6		4	4	64	18	22	2	8	3		53	117	55	26	12	14	46.15
6	HUN	87.24	16	16	8	12		2	7		61	12	10		2	1		25	86	41	19	10	9	52.63
7	AZE	99.88	26	16	2	4			7		55	8	14	4	3			29	84	38	23	9	14	39.13
8	BLR	88.43	12	6		10			4	6	38	8	12	2	3		2	27	65	33	19	8	11	42.11
9	FIN	54.9		2	4	9		2		4	21	10	6	2		2		20	41	26	12	7	5	58.33
10	ARM	64.25	15	12	2	6	2	1	3	2	43	14	10				2	26	69	26	14	7	7	50.00
11	BUL	68.76	4	10	2	8	6	1	5		36	8	4		1	1		14	50	29	17	7	10	41.18
12	CRO	49.67	16			7		1	2		26	14		2	3	2	4	25	51	21	11	5	6	45.45
13	SRB	84.6	15	4	2	13		2	2	2	40	4	2		2			8	48	22	18	5	13	27.78
14	NOR	20.84	22	2	4	2	2		3		35				4	1		5	40	18	7	4	3	57.14
15	MDA	45.04	4	8		4			4		20		8		1	1		10	30	15	10	4	6	40.00
16	EST	20.94	8			2			2		12	2						2	14	7	5	2	3	40.00
17	GER	38.33	4	2	4	3			3		16	4	6					10	26	11	8	2	6	25.00
18	LTU	40.08	4	4		2			1		11			2	3			5	16	11	8	2	6	25.00
19	POL	45.78	4			3			2		9	8			5			13	22	15	10	2	8	20.00
20	AUT	12.33	4			1					5	2						2	7	4	3	1	2	33.33
21	CZE	11.51		2	2	1			1		6								6	4	3	1	2	33.33
22	SWE	27.09	2			3					5	4		2				6	11	5	6	1	5	16.67
23	DEN	0.26																	0	0	1	0	1	0.00
24	FRA	6																	0	0	1	0	1	0.00
25	GRE	6							1		1								1	1	1	0	1	0.00
26	ISR	4.26		2							2								2	1	1	0	1	0.00
27	SVK	2.84														1		1	1	0	2	0	2	0.00
28	ITA	12.91	4								4								4	1	3	0	3	0.00
29	POR	5.57				2					2								2	1	4	0	4	0.00
30	SUI	24		2		1			2		5	2						2	7	4	4	0	4	0.00
TOTAL =		1624.8	346	196	60	187	32	24	117	22	984	198	150	22	68	17	16	471	1455	717	360	179	181	

14. GR - NATIONAL TEAM TOTAL TECHNICAL POINTS AND % (PERCENTAGE) IN ALL MATCHES – STANDING OR PARTERRE TECHNICS

Table 33.

Sn	NAT	POINTS STANDING TECHNICS	POINTS PARTERRE TECHNICS	TOTAL POINTS	% STANDING TECHNICS	% PARTERRE TECHNICS
1	GEO	157	49	206	76.21	23.79
2	RUS	119	68	187	63.64	36.36
3	TUR	124	41	165	75.15	24.85
4	UKR	64	53	117	54.70	45.30
5	ROU	67	30	97	69.07	30.93
6	HUN	61	25	86	70.93	29.07
7	AZE	55	29	84	65.48	34.52
8	ARM	43	26	69	62.32	37.68
9	BLR	38	27	65	58.46	41.54
10	CRO	26	25	51	50.98	49.02
11	BUL	36	14	50	72.00	28.00
12	SRB	40	8	48	83.33	16.67
13	FIN	21	20	41	51.22	48.78
14	NOR	35	5	40	87.50	12.50
15	MDA	20	10	30	66.67	33.33
16	GER	16	10	26	61.54	38.46
17	POL	9	13	22	40.91	59.09
18	LTU	11	5	16	68.75	31.25
19	EST	12	2	14	85.71	14.29
20	SWE	5	6	11	45.45	54.55
21	AUT	5	2	7	71.43	28.57
22	SUI	5	2	7	71.43	28.57
23	CZE	6		6	100.00	0.00
24	ITA	4		4	100.00	0.00
25	ISR	2		2	100.00	0.00
26	POR	2		2	100.00	0.00
27	GRE	1		1	100.00	0.00
28	SVK		1	1	0.00	100.00
29	DEN				0.00	0.00
30	FRA				0.00	0.00
TOTAL =		984	471	1455		

GR - NATIONAL TEAM TOTAL TECHNICAL POINTS AND % (PERCENTAGE) IN ALL MATCHES – STANDING OR PARTERRE TECHNICS

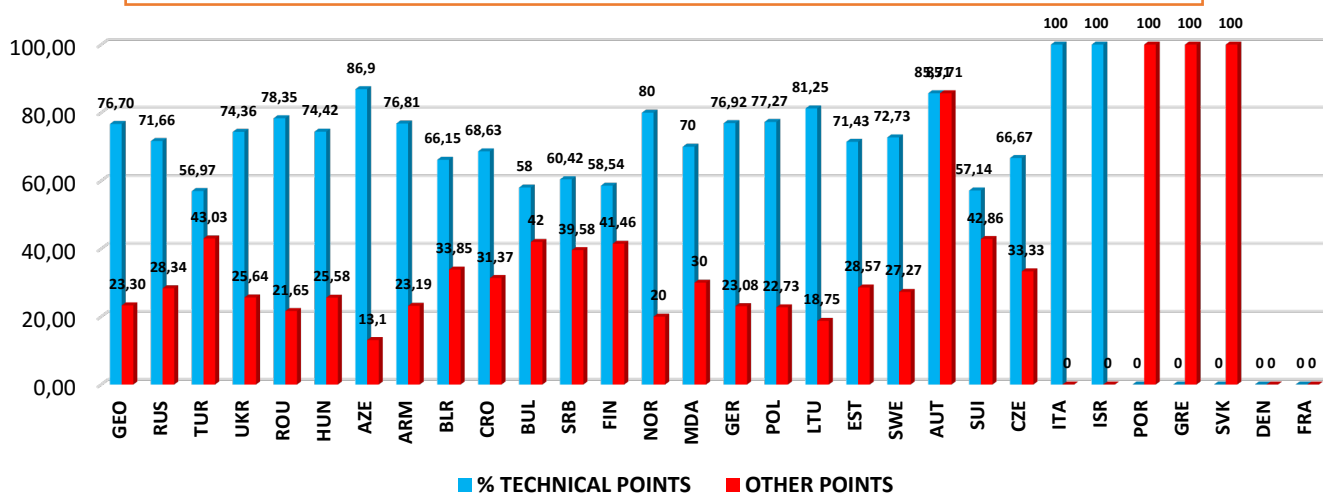


15. GR - NATIONAL TEAM TOTAL POINTS AND % (PERCENTAGE) IN ALL MATCHES – 1. TECHNICS POINTS, 2. OTHER POINTS

Table 34.

Sn	NAT	TECHNICAL POINTS	OTHER POINTS	TOTAL POINTS	% TECHNICAL POINTS	% OTHER POINTS
1	GEO	158	48	206	76.70	23.30
2	RUS	134	53	187	71.66	28.34
3	TUR	94	71	165	56.97	43.03
4	UKR	87	30	117	74.36	25.64
5	ROU	76	21	97	78.35	21.65
6	HUN	64	22	86	74.42	25.58
7	AZE	73	11	84	86.90	13.10
8	ARM	53	16	69	76.81	23.19
9	BLR	43	22	65	66.15	33.85
10	CRO	35	16	51	68.63	31.37
11	BUL	29	21	50	58.00	42.00
12	SRB	29	19	48	60.42	39.58
13	FIN	24	17	41	58.54	41.46
14	NOR	32	8	40	80.00	20.00
15	MDA	21	9	30	70.00	30.00
16	GER	20	6	26	76.92	23.08
17	POL	17	5	22	77.27	22.73
18	LTU	13	3	16	81.25	18.75
19	EST	10	4	14	71.43	28.57
20	SWE	8	3	11	72.73	27.27
21	AUT	6	1	7	85.71	14.29
22	SUI	4	3	7	57.14	42.86
23	CZE	4	2	6	66.67	33.33
24	ITA	4		4	100.00	0.00
25	ISR	2		2	100.00	0.00
26	POR		2	2	0.00	100.00
27	GRE		1	1	0.00	100.00
28	SVK		1	1	0.00	100.00
29	DEN				0.00	0.00
30	FRA				0.00	0.00
TOTAL =		1040	415	1455		

GR - NATIONAL TEAM TOTAL OF TECHNICAL POINTS AND % (PERCENTAGE) IN ALL MATCHES – 1. TECHNICS POINTS, 2. OTHER POINTS

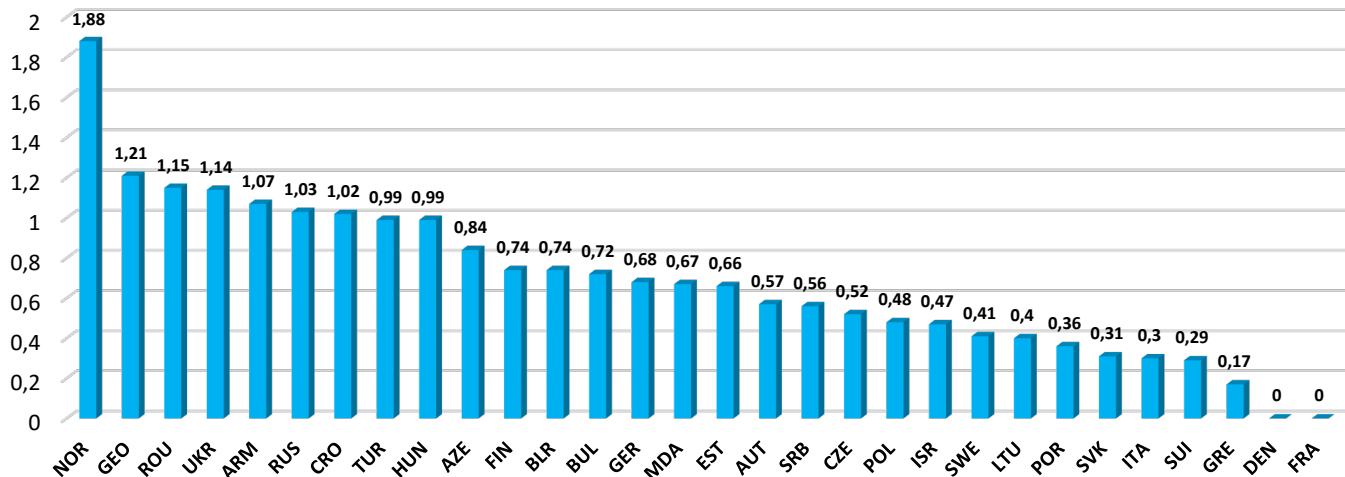


16. GR - NATIONAL TEAM – WQ/min (total points per minute)

Table 35.

Sn	NAT	Time	Winer points	WQ/min
1	NOR	21.24	40	1.88
2	GEO	170.36	206	1.21
3	ROU	84.09	97	1.15
4	UKR	102.48	117	1.14
5	ARM	64.25	69	1.07
6	RUS	181.48	187	1.03
7	CRO	50.07	51	1.02
8	TUR	166.22	165	0.99
9	HUN	87.24	86	0.99
10	AZE	100.28	84	0.84
11	FIN	55.30	41	0.74
12	BLR	88.43	65	0.74
13	BUL	69.16	50	0.72
14	GER	38.33	26	0.68
15	MDA	45.04	30	0.67
16	EST	21.34	14	0.66
17	AUT	12.33	7	0.57
18	SRB	85.00	48	0.56
19	CZE	11.51	6	0.52
20	POL	46.18	22	0.48
21	ISR	4.26	2	0.47
22	SWE	27.09	11	0.41
23	LTU	40.08	16	0.4
24	POR	5.57	2	0.36
25	SVK	3.24	1	0.31
26	ITA	13.31	4	0.29
27	SUI	24.00	7	0.29
28	GRE	6.00	1	0.17
29	DEN	0.26	0	0.00
30	FRA	6.00	0	0.00
TOTAL =		1630.14	1455	0.89

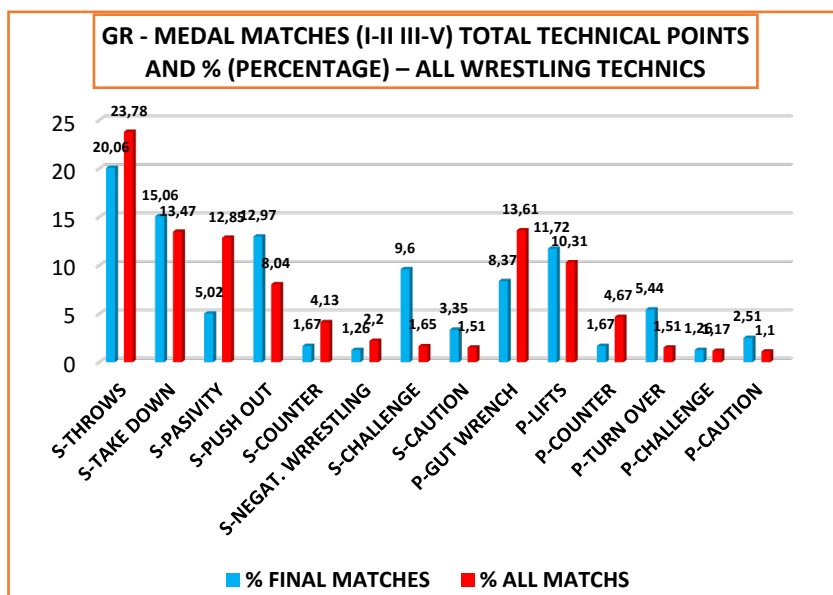
GR - NATIONAL TEAM – WQ/min (total points per minute)



17. GR - MEDAL MATCHES (I-II; III-V) TOTAL OF TECHNICAL POINTS AND % (PERCENTAGE) – ALL WRESTLING TECHNICS

Table 36.

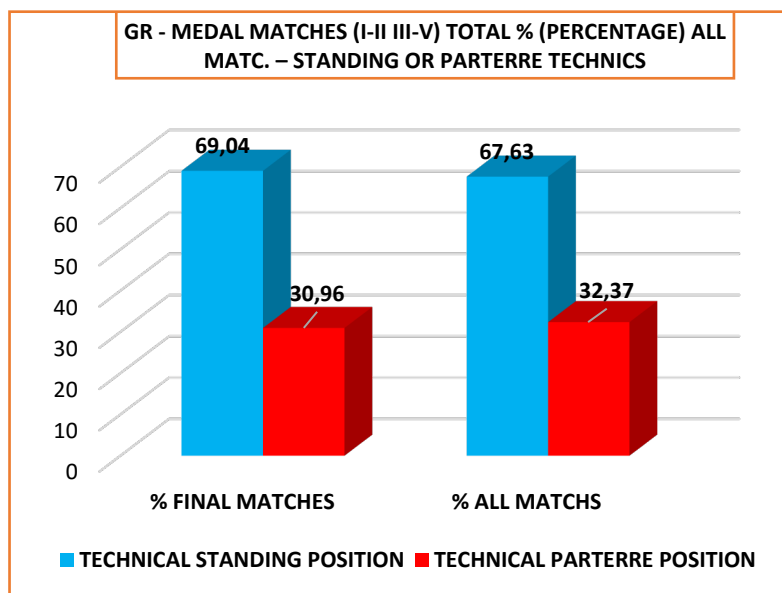
Sn	WRESTLING TECHNICS	No. points	% FINAL MATCH.	% ALL MATHC.
STANDING POSITION				
1	S-THROWS	48	20.08	23.78
2	S-TAKE DOWN	36	15.06	13.47
3	S-PASIVITY	12	5.02	12.85
4	S-PUSH OUT	31	12.97	8.04
5	S-COUNTER	4	1.68	4.13
6	S-NEGAT. WREST.	3	1.26	2.20
7	S-CHALLENGE	23	9.62	1.65
8	S-CAUTION	8	3.35	1.51
TOTAL STANDING =		165	69.02	67.63
PARTERRE POSITION				
1	P-GUT WRENCH	20	8.37	13.61
2	P-LIFTS	28	11.72	10.31
3	P-COUNTER	4	1.68	4.67
4	P-TURN OVER	13	5.44	1.51
5	P-CHALLENGE	3	1.26	1.17
6	P-CAUTION	6	2.51	1.10
TOTAL PARTERRE =		74	30.98	32.37
ALL TOTAL =		239	100.00	100.00



18. GR - MEDAL MATCHES (I-II; III-V) TOTAL % (PERCENTAGE) OF POINTS IN ALL MATCHES – STANDING AND PARTERRE TECHNICS

Table 37.

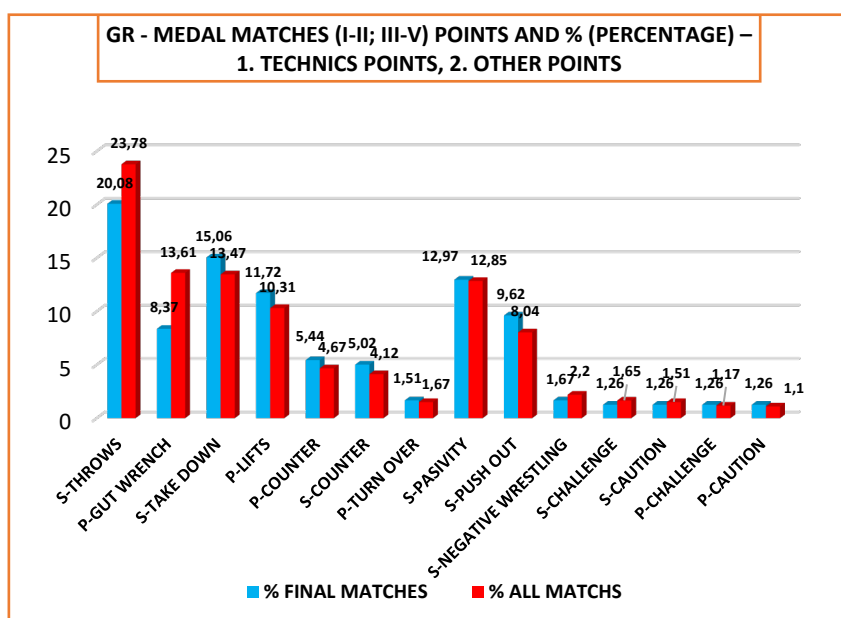
Sn.	POSITION	No. points	% FINAL MATCH.	% ALL MATHC.
1.	TECHNICAL STANDING POSITION	100.00	69.04	67.63
2.	TECHNICAL PARTERRE POSITION	74	30.96	32.37
TOTAL =		239	100.00	100.00



19. GR - MEDAL MATCHES (I-II; III-V) POINTS AND % (PERCENTAGE) IN ALL MATCHES – 1. TECHNICS POINTS, 2. OTHER POINTS

Table 38.

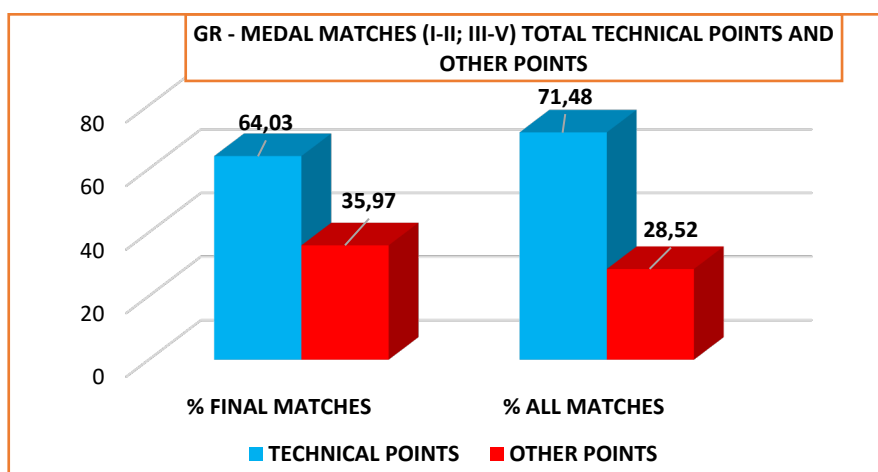
Sn	WRESTLING TECHNICS	No. Points	% FINAL MATCH.	% ALL MATHC.
TECHNICAL POINTS				
1	S-THROWS	48	20.08	23.78
2	S-TAKE DOWN	36	15.06	13.47
3	P-LIFTS	28	11.72	10.31
4	P-GUT WRENCH	20	8.37	13.61
5	P-TURN OVER	13	5.44	1.51
6	S-COUNTER	4	1.68	4.13
7	P-COUNTER	4	1.68	4.67
TOTAL TECHNICAL POINTS =		161	64.03	71.48
OTHER POINTS				
1	S-OUT	31	12.97	12.85
2	S-CHALLENGE	23	9.60	8.04
3	S-PASIVITY	12	5.02	2.20
4	S-CAUTION	8	3.35	1.65
5	P-CAUTION	6	2.51	1.51
6	S-NEGAT. WRRESTLING	3	1.26	1.17
7	P-CHALLENGE	3	1.26	1.10
TOTAL OTHER POINTS		78	35.97	28.52
ALL TOTAL =		239	100.00	100.00



20. GR - MEDAL MATCHES (I-II; III-V) TOTAL TECHNICAL POINTS AND OTHER POINTS

Table 39.

Sn.	TYPE OF POINTS	No. points	% FINAL MATCH.	% ALL MATHC.
1.	TECHNICAL POINTS	161	64.03	71.48
2.	OTHER POINTS	78	35.97	28.52
TOTAL =		239	100.00	100.00



21. GR - WQ/min (total points per minute) PER MEDAL MATCHES (I-II; III-V)

Table 40.

WQ/min (total points per minute) all matches	MEDAL MATCHES	ALL MATCHES
	1.54 points per minute	1.79 points per minute

22. GR – ALL WINNERS PER CATEGORY - WON POINTS

Table 41.

Name and surnme	NAT	CAT	TIME	TECHNICS STANDING POSITION									TECHNICS PARTERRE POSITION								TP	CP	NB. MATC.
				THROWS	TAKE DOWN	COUNTER	PASIVITY	NEGAT. WR	CHALLENGE	PUSH OUT	CAUTION	TOTAL STANDING	GUT WRENCH	LIFTS	TURN OVER	COUNTER	CHALLENGE	CAUTION	TOTAL PARTERREE				
Nugzari TSURTSUMIA	GEO	55 kg	15.19	8	8		2		1	4		23	2	4		4	1		11	34	15	4	
Kerem KAMAL	TUR	60 kg	17.34		2		3	4	1	9		19	2						2	21	9	3	
Levani KAVJARADZE	GEO	63 kg	14.12	8	8	2	1			4		23		10					10	33	13	4	
Alen MIRZOIAN	RUS	67 kg	16.22	6	4		3			1		14	2	10				2	14	28	14	4	
Ramaz ZOIDZE	GEO	72 kg	19.03	14	4		2	2	1	1		24	6		2	2	1		11	35	14	4	
Islam OPIEV	RUS	77 kg	30.00		8		4		1	2		15	4	2					6	21	15	5	
Zotlan LEVAI	HUN	82 kg	13.53	2	4		2		1	6		15		4					4	19	11	3	
Gurami KHETSURIANI	GEO	87 kg	20.52	18			2		1	2		23								23	13	4	
Arvi Martin SAVOLAINEN	FIN	97 kg	19.56			2	6		2		4	14	2	4			1		7	21	13	4	
Zviadi PATARIDZE	GEO	130 kg	18.14		6		1	2		7		16	2			2			4	20	15	4	
TOTAL =			182.45	56	44	4	26	8	8	36	4	186	20	34	2	8	3	2	69	255	132	39	

23. GR – ALL WINNERS PER CATEGORY - LOST POINTS

Tabele 42.

Name and surname	CAT	TIME	TECHNICS STANDING POSITION									TECHNICS PARTERRE POSITION							TP	CP	NB. MATC.
			THROWS	TAKE DOWN	COUNTER	PASIVITY	NEGAT. WR	CHALLENGE	PUSH OUT	CAUTION	TOTAL STANDING	GUT WRENCH	LIFTS	TURN OVER	COUNTER	CHALLENGE	CAUTION	TOTAL PARTEREE			
Nugzari TSURTSUMIA	55 kg	15.19		2		1		1			4								4	2	4
Kerem KAMAL	60 kg	17.34							1		1	4			1			5	6	2	3
Levani KAVJARADZE	63 kg	14.12		2		1			1		4		6					6	10	2	4
Alen MIRZOIAN	67 kg	16.22	4			1					5								5	2	4
Ramaz ZOIDZE	72 kg	19.03	2	2		2			1		7				3			3	10	3	4
Islam OPIEV	77 kg	30.00				3			2		5								5	4	5
Zotlan LEVAI	82 kg	13.53				1					1								1	1	3
Gurami KHETSURIANI	87 kg	20.52	0			1	4				5				1			1	6	3	4
Arvi Martin SAVOLAINEN	97 kg	19.56				1					1				2			2	3	2	4
Zviadi PATARIDZE	130 kg	18.14		2		1					3	2						2	5	0	4
TOTAL=		182.45	6	8	0	12	4	1	5		36	6	6	0	7	0	0	19	55	21	39

24. GR – MOST SUCCESSFUL WRESTLERS (INDEX – IMS)

Table 43.

CAT kg	Name and surname	NAT	TIME	TP WON	TP LOST	WQ/min (+/-)	Nb match	CP WON	CP LOST	CP (+/-) (difeerent)	IMS
55 kg	Nugzari TSURTSUMIA	GEO	15.39	34	4	1.95	4	15	2	3.25	5.20
				2.21	0.26			3.75	0.50		
130 kg	Zviadi PATARIDZE	GEO	18.14	20	5	0.83	4	15	0	3.75	4.58
				1.13	0.28			3.75	0.00		
67 kg	Alen MIRZOIAN	RUS	16.22	28	5	1.42	4	14	2	3.00	4.42
				1.73	0.31			3.50	0.50		
63 kg	Levani KAVJARADZE	GEO	14.12	33	10	1.63	4	13	2	2.75	4.38
				2.34	0.71			3.25	0.50		
72 kg	Ramaz ZOIDZE	GEO	19.03	35	10	1.31	4	14	3	2.75	4.06
				1.84	0.53			3.50	0.75		
82 kg	Zotlan LEVAI	HUN	27.06	19	1	0.67	3	11	1	3.33	4.00
				0.70	0.04			3.67	0.33		
97 kg	Arvi Martin SAVOLAINEN	FIN	19.56	21	3	0.92	4	13	2	2.75	3.67
				1.07	0.15			3.25	0.50		
87 kg	Gurami KHETSURIANI	GEO	20.52	23	6	0.83	4	13	3	2.50	3.33
				1.12	0.29			3.25	0.75		
60 kg	Kerem KAMAL	TUR	17.32	21	6	0.87	3	9	2	2.33	3.20
				1.15	0.35			3.00	0.67		
77 kg	Islam OPIEV	RUS	30.00	21	5	0.53	5	15	4	2.20	2.73
				0.70	0.17			3.00	0.80		

FORMULA

$$IMS = (WQ/minP - WQ/minM) + (CPP/NM - CPM/NM)$$

Legend:

IMS – Index most successful (wrestlers)

WQ/minP – Number won (plus) points per 1 minute

WQ/minM – Number lost (minus) points per 1 minute

CPP – Classification points won (plus)

CPM – Classification points lost (minus)

NM – Number matches

VI – CONCLUSION

Based on the analysis of all the wrestling techniques at the European Championship for U23 in Novi Sad, 2019, it is possible to make various types of conclusions. These conclusions can greatly influence the planning and programming of wrestling training, as well as the tactical preparation of wrestling matches in the upcoming period.

I – GENERAL DATA /GR

1. In standing techniques, two techniques are dominant: throws and take down. However, the number of points for passivity is very close to these two wrestling techniques, which is certainly not good for wrestling. When challenging points for the parterre techniques, two techniques are segregated: gut wrench and lifts (Table 2.),
2. The ratio of points for techniques in the standing position in relation to the number of points in the partern position is in the ratio $2/3 - 1/3$ (Table 3.),
3. There is a very large number of points for other techniques, almost $1/3$ and 28.52 points were obtained without any wrestling technique. Two other techniques are distinguished by the number of points, which are obtained points for passivity and points for pushing from the mat (Table 4-5.),
4. It is a very good index (WQ / min) because at this championship 1.79 points were scored in one minute of the match (Table 6.). In the past few years in the big senior competitions this index was from 0.8-1.5 WQ / min,

II - WEIGHT CATEGORY /GR

5. If the analysis of the weight categories of the number of points in the standing position is viewed, it can be seen that in 9 weight categories, the number of points for the throws is in the first place and that it is only taken down in the category of 82 kg that is taken down with the highest number of points. What is not good is the fact that in as many as 5 weight categories, the number of points for passivity on the second places (Table 7-16.),
6. If an analysis by weight category of the points in a parterre position is viewed, it is evident that in 6 weight categories, the number of points for the gut wrench is the first and in 4 weight categories are lifting technique. In light weight categories, the technique lifting is a dominant, while in medium and heavy categories the gut wrench is the dominant technique. It is surprising that the number of points for counter action in the two heavy categories is in the second place (Table 7-16.),
7. In the standing position, over 70% of points have 5 weight categories (82 kg, 130 kg, 97 kg, and 87 kg). Significant deviations with more than 40% of points in the partern position have two weight categories - 67 kg and 55 kg (Table 7-16.),
8. The smallest difference between the points in the parterre and the standing position is in the category 67 kg and is only 3.26. The biggest difference is in the category 82 kg from 54,34 (Table 18.),
9. The analysis of all the technics (standing and parterre) in 8 weight categories, throws is the first place and two categories in the second place. In two categories, tach down is placed first and in 3 categories in second place. Of parterre technics, only the gut wrench in three categories is ranked second by number of points (Table 19-28.),
10. In the first place, according to the number of technical points, there is a category of 55 kg (80% of points for technical points). The category at which the least technical points were made is 82 kg, and only 59,84% of the points, and even 40,16% of points were obtained without any technical point (Table 29.). In the Table 30 also shows that the biggest difference in technical and other points is 55 kg and it is 60.00, while the smallest difference is 82 kg, where it is 19.68, which means that there is almost equal number of points for technical points and for points obtained without any wrestling (Table 30.),
11. WQ / min analysis by weight category shows that wrestlers in 63 kg made the most points in one minute of the match (2.40), until the points were scored in the category up to 77 kg. More than 2 points per minute of fighting (WQ / min) was made in as many as 5 categories, which is a very good result - 63, 55, 72, 67 and 87 kg (Table 31.)

III – NATIONAL TEAMS /GR

12. The Table 32 gives an overview of the performed technics and the results achieved by all the teams participating in the European Championship. In the first place on the basis of the number of victories and loses is the Georgia

- team with 80.56 wins, which had the highest points in the standing position (157), and the total number of points from all national teams - 206. The highest points in the parterre were made wrestlers of the Russia - 68 (Table 32.).
13. If the teams representing 10 and more matches were watched, the highest points in the standing position are won by the national team SRB - 83,33%, GEO - 76,21%, TUR - 75,15%. The most successful teams with the points scored on the parterre, in the all match is the teams: POL - 59,09 %, CRO - 49,02 % and UKR - 45,30 % (Table 33.).
 14. If the teams representing 10 and more matches were watched, the highest points for the performed technics were won by AZE representations - 86,90 %, ROU - 78,35 %, ARM - 76,81 % (Table 34.). The high points for the other technics were represented: TUR - 43,03, BUL - 42,00% and FIN - 41,46%,
 15. Analyzing the WQ / min index, the national team of Norway is in the first place with an index of 1.88 points scored per minute. Their wrestlers made 40 points for a total of 21.24 minutes of the match. In the second place is the national team of Georgia with index 1.21 and third place Romania with the index of 1.15 (Table 35.),

IV – MEDAL MATCHES (I-II; III-V) /GR

16. By analyzing the 30 final matches, there were no significant deviations from all the matches held. In the standing position, 69.02% of the points were made, and in the parter 30,98% of points. Significant deviation in the final matches against all matches, in the points in the standing position is in the case of push out, and it is about 5% more points. In the parterre position, there are deviations in the gut wrench technique, since in the final matches less than about 5,5 % (Table 36.),
17. In relation to all matches, fewer technical points are achieved in the final matches than in all the matches in total, 1.54 in finals matches in comparison to 1.79 in all matches. This is quite normal, because in the final matches, the wrestlers fight the approximate quality and this is a big difference in relation to all matches, especially in the first and second rounds where the difference in quality is high. If only the achieved technical points in the final matches were observed, there was a decrease of around 7.5% of points in relation to all the analyzed matches, which means that by 7,5% more points referring to other points (Table 39.),

V – ALL WINNERS WRESTLERS /GR

18. Table 41 shows how winners in all 10 weight categories came to win in all matches. The highest points were won by winner wrestlers in the categories: 72 kg - 35 points, 55 kg - 34 points and 63 kg - 33 points. The highest points in the standing position were won by winner wrestlers in the categories 67 kg - 14 points and 72 kg 11 points. The wrestler winners won the most points for the technics: throw (56) and take down (44). Interesting is the fact that the wrestler winner in the category to 82 kg made 23 points and all 23 points were made in a standing position (Table 41.),
19. Table 42. shows how many gold medalists lost technical points in all matches, as well as the way they lost points. In the category of 82 kg, the winner lost only one point. The winners in 4 weight categories did not lose any points in the parter. The highest number of points lost the winners for push out, 12 points or 1/3 of all lost points,
20. The last table (Table 43.) shows how the 10 winners are ranked and how the most successful competitor is announced at the championship. Making the formula for calculating the most successful wrestler:

$$IMS = (WQ/minP - WQ/minM) + (CPP/NM - CPM/NM).$$

In order for a wrestler to be declared the most successful wrestler, he needs to make as many technical points as possible in a shorter time, as well as to lose as small technical points as possible in all matches. Another important segment in this formula is that the champion of the weight category has as many victories as the fall and technical fall, while at the same time the opponent has as little classification points as possible. When all of these data input on the formula, a completely objective result is obtained, which is the champion to them 10 most successful in the analyzed competition (Table 43.). At this U23 European Championships in GR style, the most successful champion was the 55 kg winner - Nugzari Tsurtsunia from Georgia, whose index (IMS - Index most successful) was 5.20. In 15.39 minutes he made 34 technical points, lost 4 technical points and in 4 matches he had 15 classification points and lost 2 classification points.