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Efficacy of a randomized controlled trial of Integrative Couple Treatment for Pathological Gambling/ ICT-PG: 18 month follow-up

Joël Tremblay, Ph. D., Psychoeducation Department, Université du Québec à Trois-Rivières (UQTR)

Marianne Saint-Jacques, Ph. D., Addiction Program, Medicine and Health Sciences Faculty, Sherbrooke University

Karine Bertrand, Ph. D., Addiction Program, Medicine and Health Sciences Faculty, Sherbrooke University

Francine Ferland, Ph. D., Research Service in Addiction, CIUSSS Capitale-Nationale/CISSS Chaudière-Appalaches

Annie-Claude Savard, Ph. D., Social Work and Criminology, Laval University

Nadine Blanchette-Martin, Master of Social Work, Research Service in Addiction, CISSS Chaudière-Appalaches/CIUSSS Capitale-Nationale

Magali Dufour, Ph. D., Addiction Program, Medicine and Health Sciences Faculty, Sherbrooke University

Mélissa Côté, ps,éd., Ph.D. candidate, Psychoeducation, UQTR

Djamal Berbiche, Statisticien Senior, Addiction Program, Medicine and Health Sciences Faculty, Sherbrooke University

Society for the Study Addiction, Newcastle-upon-Tyne, UK

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Context

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- Despite the many consequences of gambling on quality of couple relationship, most therapies for problem gambling favour an individual approach.
- The efficacy of couple treatments where one of the members has problems with alcohol or illegal drug use has been clearly demonstrated with regard to the reduction and cessation of substance use as well as the improvement of the couple relationship.
- Some innovative research points to the potential of Couple treatment for gambling problems (Lee, 2002; Lee, 2009, 2014, 2015; Lee & Aosoga, 2015)
- Inspired by the McCrady & Epstein Alcohol Behavioral Couple Therapy (ABCT), our team developed the Integrative Couple Treatment for Pathological Gambling (ICT-PG) (Tremblay et al. 2015)

Integrative Couple Treatment for Pathological Gambling (ICT-PG)

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Treatment objectives

- Reduce or stop gambling-related behaviours.
- Reduce psychological distress and improve the well-being of both partners;
- Increase relationship satisfaction and mutual support between partners

Clinical process

- ≈ 45-60 min. with gambler
 - Partner expresses her point of view, while maintaining the focus on the gambling behaviours
- ≈ 30-45 min. relationship aspects
 - Mutual positive reinforcement
 - Communication and negotiation skills
 - Partner's behaviours that facilitate gambling and those that reinforce its cessation.

	Gambler	Partner	Couple
1 & 2	<ul style="list-style-type: none"> • Hear the request • Listen to what is expected from each person • General objectives of sessions • Verify recent gambling behaviour • Stop draining money • Rules/expectations from participants • Feedback (evaluation, admission) • Functional analysis of gambling behaviour or at-risk situations 	<ul style="list-style-type: none"> • Hear the request • What is expected from each person • General objectives of sessions • Feedback (evaluation, admission) 	<ul style="list-style-type: none"> • Mutual reinforcement
3	<ul style="list-style-type: none"> • Clinical work related to gambling 		<ul style="list-style-type: none"> • Mutual reinforcement
4	<ul style="list-style-type: none"> • Clinical work related to gambling 		<ul style="list-style-type: none"> • Communication skills
5	<ul style="list-style-type: none"> • Clinical work related to gambling 		<ul style="list-style-type: none"> • Communication skills
6	<ul style="list-style-type: none"> • Clinical work related to gambling 	<ul style="list-style-type: none"> • Stop reinforcement of gambling situations 	
7	<ul style="list-style-type: none"> • Clinical work related to gambling 	<ul style="list-style-type: none"> • Stop reinforcement of gambling situations 	<ul style="list-style-type: none"> • Reinforcement of non-gambling situations
8	<ul style="list-style-type: none"> • Clinical work related to gambling • Prevent relapse/at-risk situations 		<ul style="list-style-type: none"> • Reinforcement of non-gambling situations
9 to 12	Sessions 9 to 12 are merely an extension of previous sessions. The therapist spend more time on any given aspect.		

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METHOD

Recruitment

- Participants recruited in nine Addiction Specialized Treatment Centers (Quebec province, Canada)
- Recruitment period: 47 months
 - March 2011 to April 2013
 - October 2014 to June 2016

Assessed for eligibility ($n = 98$ couples)

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Excluded ($n = 18$ couples)

- 4 couples – Low commitment towards relationship
- 3 couples – Severe violence – 12 last months
- 3 couples – Problematic substance use – gambler
- 2 couples – Gambling habits at low risk – gambler
- 2 couples – Mental health problems (serious and unstable) – partner
- 1 couple – Problematic alcohol use – gambler
- 1 couple – Problematic gambling habits – partner (DSM-V diagnosis of GUD)
- 1 couple – Cohabitation < 1 year
- 1 couple – Refused orientation

Participants randomized ($n = 80$ couples)

Individual treatment ($n = 36$)

Potential follow-ups: 72 individuals
3 months post-admission, $n = 60$ (83.3%)
9 months post-admission, $n = 53$ (73.6%)
18 months post-admission, $n = 42$ (58.3%)

Total follow-ups
155/216 (71.7%)

ICT-PG ($n = 44$)

Potential follow-ups: 88 individuals
3 months post-admission, $n = 82$ (93.2%)
9 months post-admission, $n = 76$ (86.4%)
18 months post-admission, $n = 70$ (79.5%)

Total follow-ups
228/264 (86.3%)

Equivalence of groups on stratification criteria

	Individual n (%)	ICT-PG n (%)	p values – χ^2
Male	29 (80,6)	31 (70,5)	
Female	7 (19,4)	13 (29,5)	n.s.
Mental health problems			
Presence	28 (77,8)	32 (72,7)	n.s.
Absence	8 (22,2)	12 (27,3)	
Gambling – Partner			
At-Risk	0 (0)	3 (6,8)	n.s.
Not At-Risk	36 (100)	41 (93,2)	
Alcohol – Gambler			
At-Risk	6 (16,7)	9 (20,5)	n.s.
Not At-Risk	30 (83,3)	35 (79,5)	

Equivalence of groups on other variables

9

	Individual treatment		ICT-PG	
	Gamblers n (%)	Partners n (%)	Gamblers n (%)	Partners n (%)
Age	<i>M</i> = 40.8 (SD = 12.3)	<i>M</i> = 39.6 (SD = 13.8)	<i>M</i> = 42.2 (SD = 13.5)	<i>M</i> = 42.2 (SD = 13.4)
20-29	8 (22.2)	13 (36.1)	10 (22.7)	9 (20.5)
30-39	10 (27.8)	5 (13.9)	10 (22.7)	10 (22.7)
40-49	9 (25.2)	9 (25.2)	12 (27.2)	13 (29.5)
50-59	6 (16.6)	6 (16.6)	7 (15.9)	8 (18.2)
60 +	3 (8.3)	3 (8.3)	5 (11.4)	4 (9.1)
Annual Income				
Under of \$25 000	10 (27.8)	13 (36.1)	14 (31.8)	15 (34.1)
\$25 001 – \$60 000	17 (47.3)	17 (47.2)	19 (43.2)	20 (45.5)
\$60 001 - \$100 000	8 (22.2)	4 (11.1)	9 (20.5)	7 (15.9)
\$100 000 and over	-	-	1 (2.3)	2 (4.5)
Missing	1 (2.8)	2 (5.6)	1 (2.3)	-
Annual Income	<u>Couple (reported by the gambler)</u>		<u>Couple (reported by the gambler)</u>	
Under of \$25 000	5 (13.9)		3 (6.8)	
\$25 001 – \$60 000	12 (33.3)		16 (36.4)	
\$60 001 - \$100 000	13 (36.1)		13 (29.5)	
\$100 000 and over	5 (13.9)		11 (25.0)	
Missing	1 (2.8)		1 (2.3)	

Chi square test & T-test = n.s.

Types of services gamblers received (Period covered: Admission to 18 months)

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Type of service	<u>Individual</u> (n = 36) M (SD) n with 0 sessions (%)	<u>ICT-PG</u> (n = 44) M (SD) n with 0 sessions (%)	<u>Total</u> (n = 80) M (SD) Min – Max
Individual & Evaluation	8.14 (6.6) 1 (2.8%)	0.93 (2.1) 32 (72.7%)	4.18 (5.9) 1 – 24
Couple	1.14 (2.9) 25 (69.4%)	10.02 (6.1) 2 (4.5%)	6.03 (6.6) 0 – 37
Group	0.94 (2.9) 32 (88.9%)	0.00 (0.00) 44 (100%)	0.43 (2.0) 3 – 13
Total (ind. + couple + gr.)	10.22 (8.4) 0	= 10,91 (6.8) 1 (2.3%)	10.60 (7.5) 1 - 37
Phone Intervention	1.42 (2.5) 21 (58.3%)	0,70 (1.4) 30 (68.2%)	1.03 (2.0) 1 - 12
No Show at a session	1.64 (2.8) 19 (52.8%)	1.61 (2.5) 27 (61.4%)	1.63 (2.6) 1 – 11

Types of services **partners** received (Period covered: Admission to 18 months)

11

Type of service =	<u>Individual</u> (n = 36) M (SD) n with 0 sessions (%)	<u>ICT-PG</u> (n = 44) M (SD) n with 0 sessions (%)	<u>Total</u> (n = 80) M (SD) Min – Max
Individual & Evaluation	0.64 (2.1) 27 (75.0%)	0.64 (3.0) 36 (81.8%)	0.64 (2.6) 1 - 20
Couple	1.14 (2.9) 25 (69.4%)	10.05 (6.1) 2 (4.5%)	6.04 (6.6) 0 – 37
Group	0.83 (2.3) 31 (86.1%)	0.20 (1.4) 43 (97.7%)	0.49 (1.9) 3 – 10
Total (ind. + couple + gr.)	2.61 (5.3) 16 (44.4%)	10.9 (7.3) 2 (4.5%)	7.16 (7.7) 1 – 37
Phone Intervention	0.17 (0.6) 33 (91.7%)	0.55 (1.5) 34 (77.3%)	0.38 (1.2) 1 - 8
No Show at a session	0.19 (0.5) 30 (83.3%)	1.27 (2.1) 28 (63.6%)	0.79 (1.7) 1 – 7

Assessment

Gambling habits

- Only for the gamblers:
 - Gambling Symptom Assessment Scale (G-SAS) (Kim, Grant, Potenza, Blanco, & Hollander, 2009), last 7 days;
 - Impaired Control Over Gambling (ICOG), (Baron & Dickerson, 1994), last 3 months;
 - Canadian Problem Gambling Index (CPGI) (Ferris & Wynne, 2001), last 3 months;
 - Detection of the Need for Help Gambling (DÉBA-Jeu), (Tremblay & Blanchette-Martin, 2009), last 3 months;
- For the gamblers and their partner:
 - Gambling related beliefs inventory (Ladouceur, Jacques, Giroux, & Sévigny, 2004).

***Couple functionning* (for the gamblers and their partner):**

- Dyadic Adjustment Scale (DAS-4), (Sabourin, Valois, & Lussier, 2005), last 3 months;
- Marital Status Inventory (MSI), (Weiss & Cerreto, 1980), last 3 months;
- Couples Support Questionnaire, (Brassard, Houde, & Lussier, 2011), last 3 months;
- Interpersonal Communication Skills Inventory Self-Spouse, (Boyd & Roach, 1977), last 3 months;
- Marital Problem Solving Scale (MPSS), (Baugh, Avery, & Sheets-Haworth, 1982), last 3 months.

***Individual* (for the gamblers and their partner):**

- Center for Epidemiologic Studies Depression scale (CES-D), (Radloff, 1977), last 7 days;
- Psychiatric symptom index, (Ilfeld, 1976), last 7 days.

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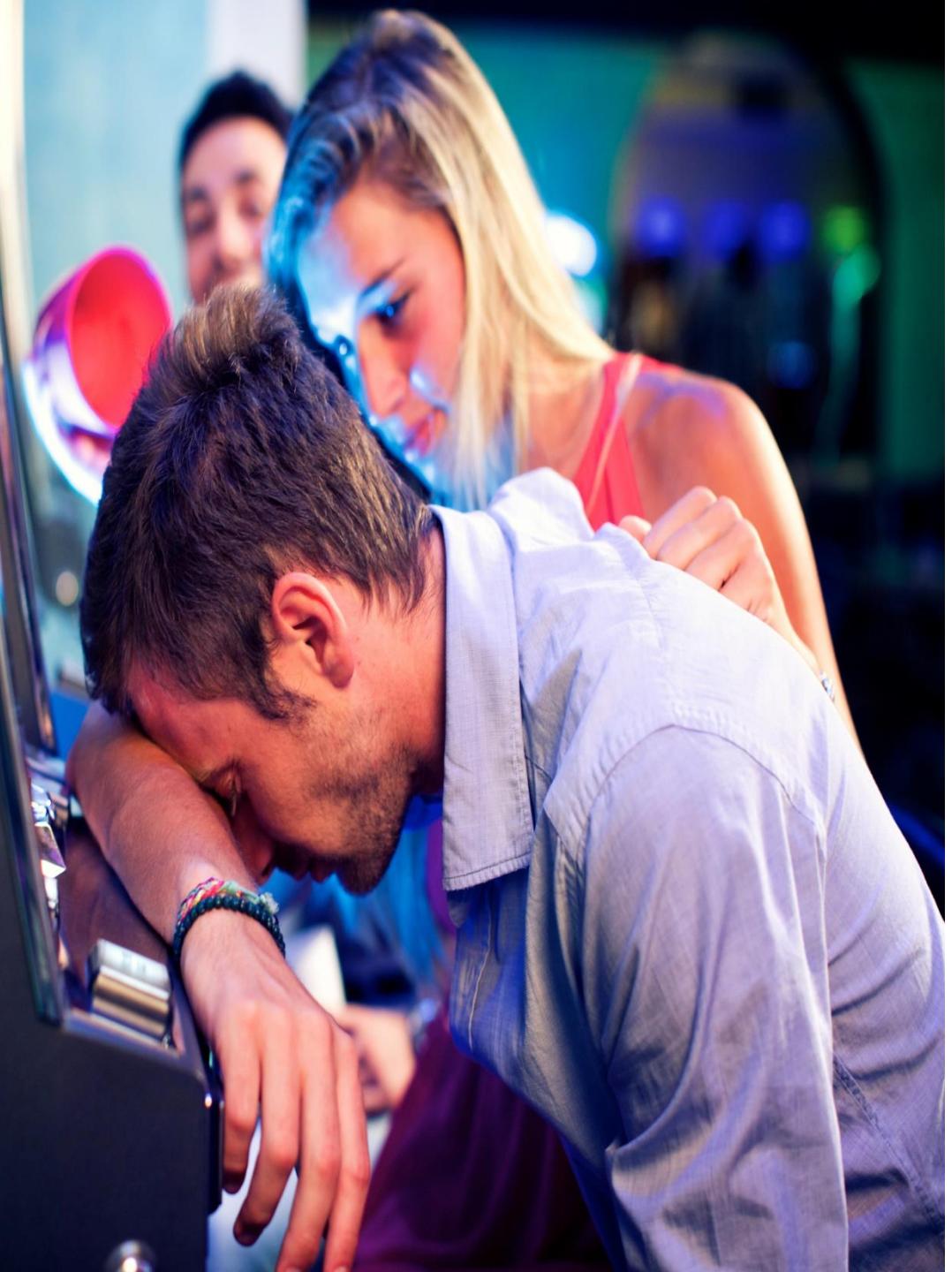
RESULTS

Number of persons at each follow-up

14

Gamblers		
	Individual <i>n</i>	ICT-PG <i>n</i>
T1 Admission	36	44
T2 3 months	30	41
T3 9 months	26	38
T4 18 months	22	35

Partners		
	Individual <i>n</i>	ICT-PG <i>n</i>
T1 Admission	36	44
T2 3 months	30	41
T3 9 months	27	38
T4 18 months	20	35



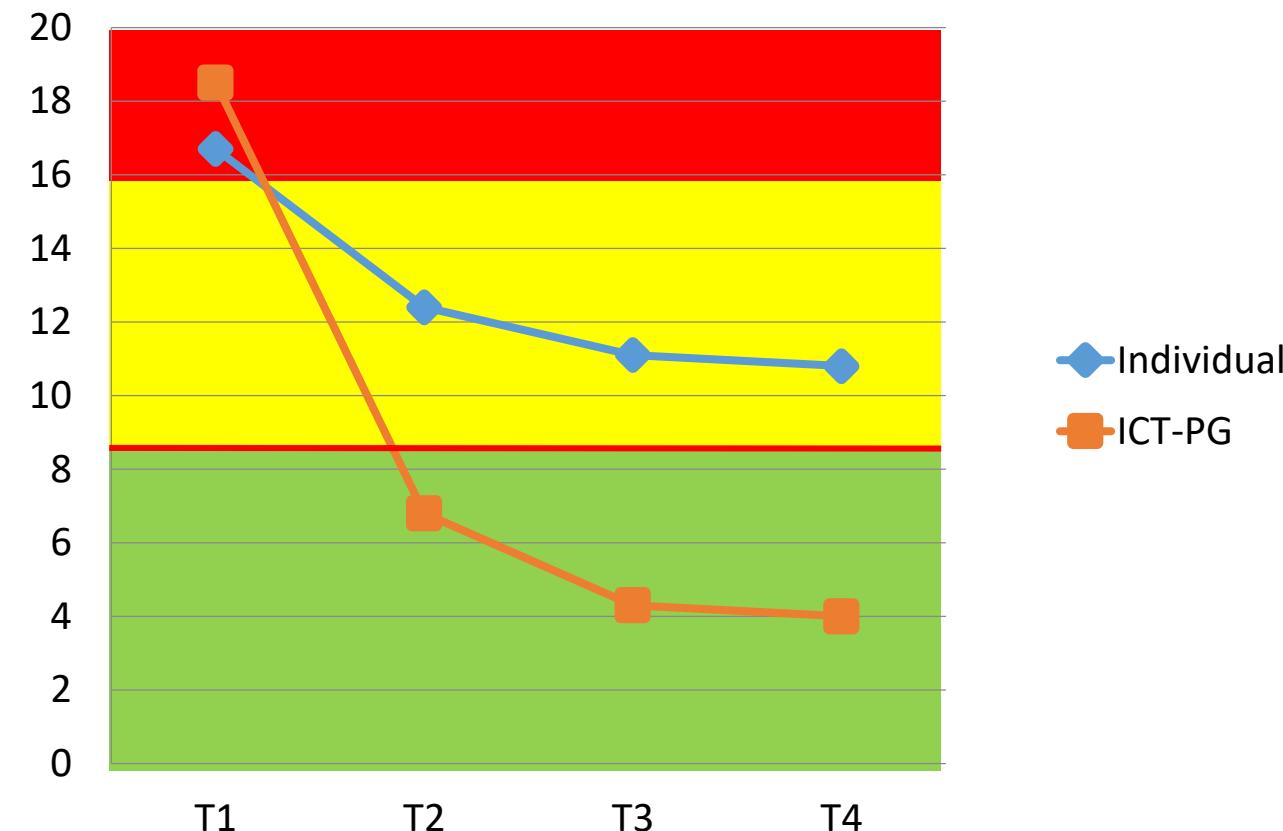
Gambling habits

Gambling Symptom Assessment Scale (G-SAS)

16

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	16,66 (1,20) ^{abc}	18,52 (1,08) ^{abc}	n.s.
T2	12,39 (1,31) ^a	6,85 (1,14) ^a	**
T3	11,08 (1,44) ^b	4,30 (1,17) ^b	***
T4	10,80 (1,53) ^c	4,01 (1,21) ^c	***
Tot	13,17	8,77	****

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

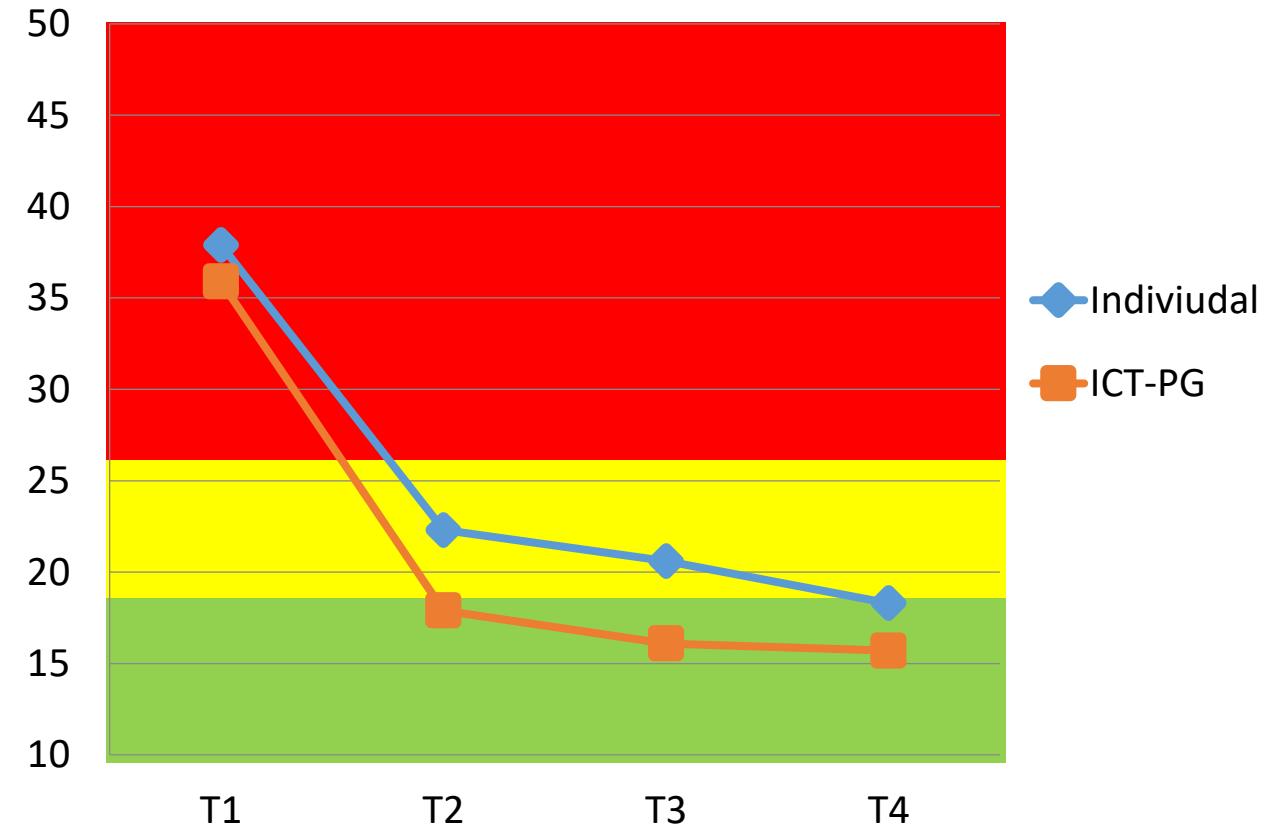


Impaired control over gambling (ICOG)

17

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	37,92 (1,44) ^{abc}	35,95 (1,29) ^{abc}	n.s.
T2	22,31 (1,58) ^a	17,89 (1,34) ^a	*
T3	20,59 (1,69) ^b	16,11 (1,41) ^b	*
T4	18,26 (1,86) ^c	15,69 (1,45) ^c	n.s.
Tot	25,89	21,85	**

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

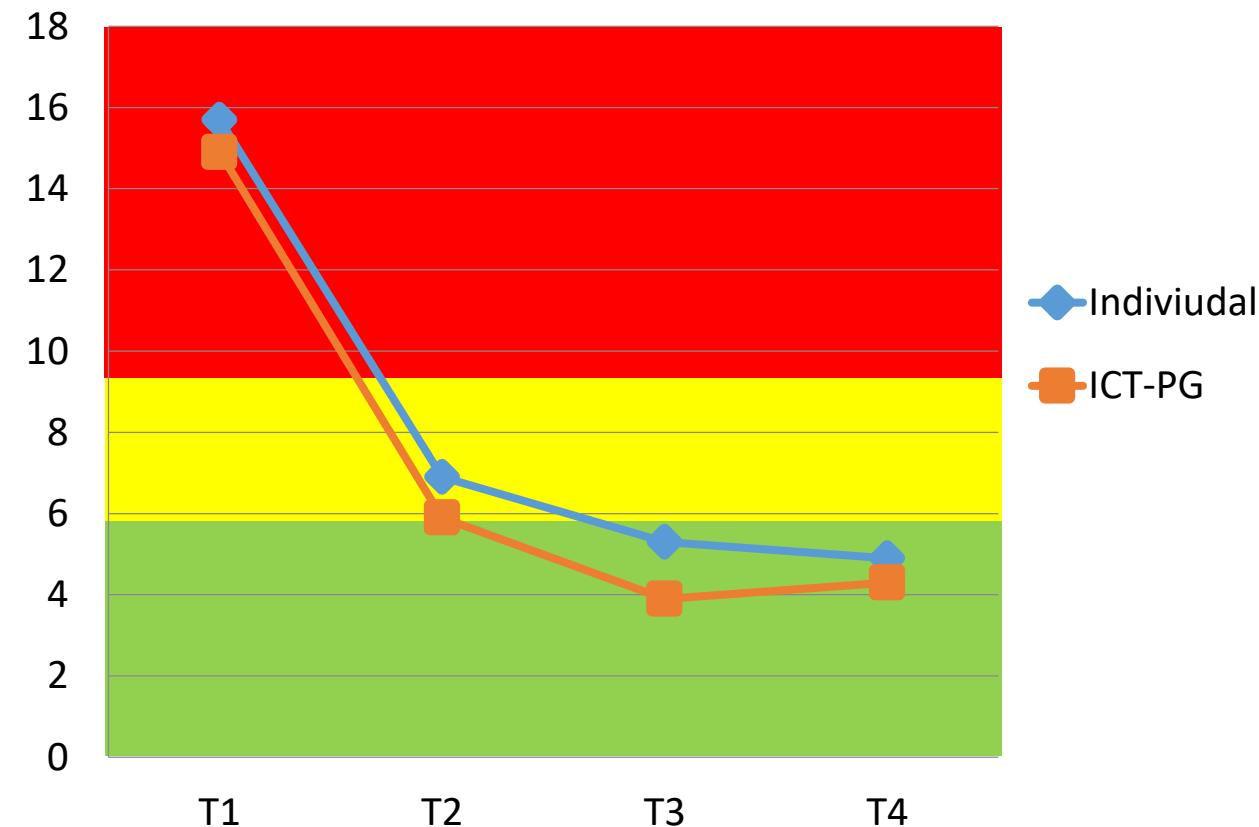


Canadian Problem Gambling Index (CPGI)

18

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	15,68 (0,82) ^{abc}	14,85 (0,74) ^{abc}	n.s.
T2	6,97 (0,89) ^a	5,86 (0,77) ^a	n.s.
T3	5,31 (0,97) ^b	3,98 (0,80) ^b	n.s.
T4	4,91 (1,08) ^c	4,26 (0,83) ^c	n.s.
Tot	8,91	7,43	*

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

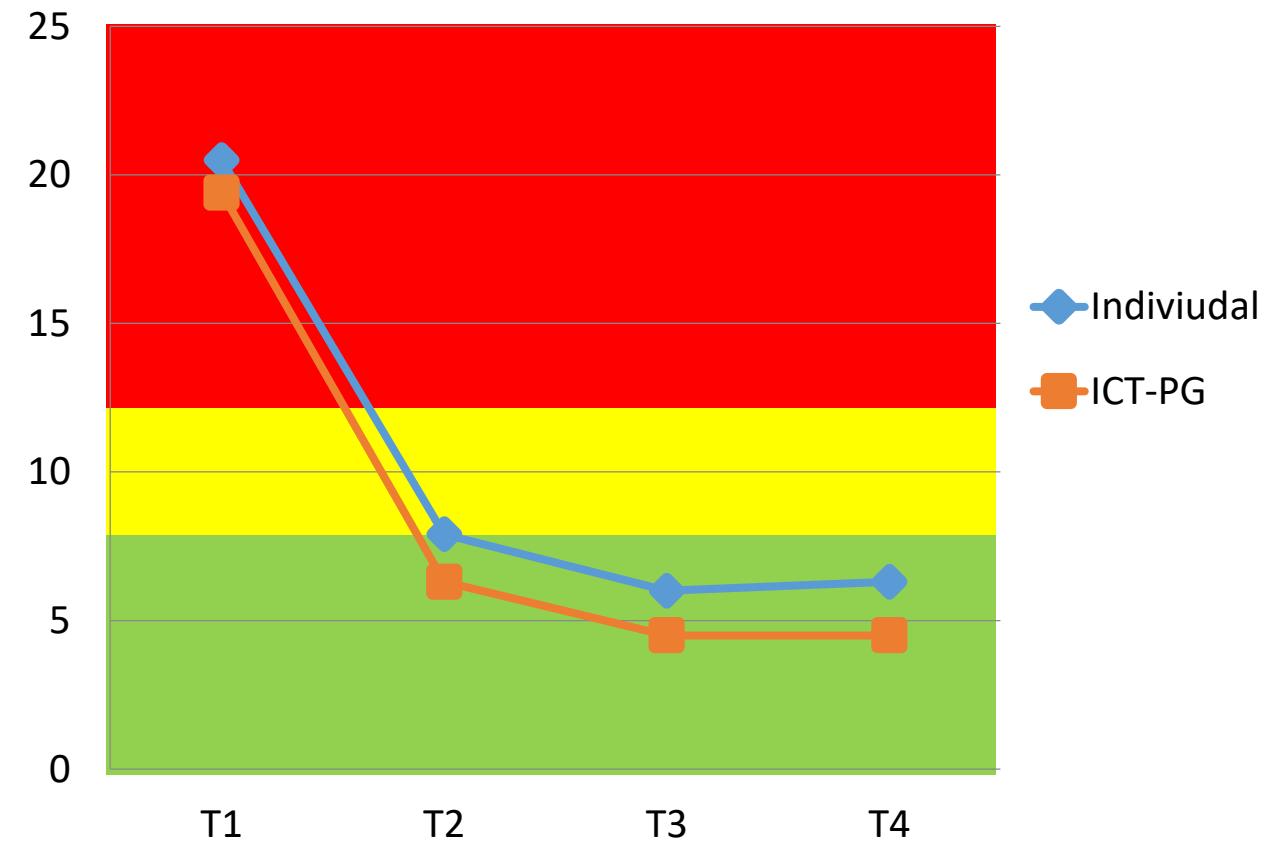


Detection of the Need for Help Gambling (DÉBA-Jeu)

19

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	20,45 (0,97) ^{abc}	19,41 (0,88) ^{abc}	n.s.
T2	7,90 (1,07) ^a	6,29 (0,90) ^a	n.s.
T3	6,01 (1,14) ^b	4,47 (0,95) ^b	n.s.
T4	6,26 (1,27) ^c	4,47 (0,98) ^c	n.s.
Tot	11,15	8,86	**

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

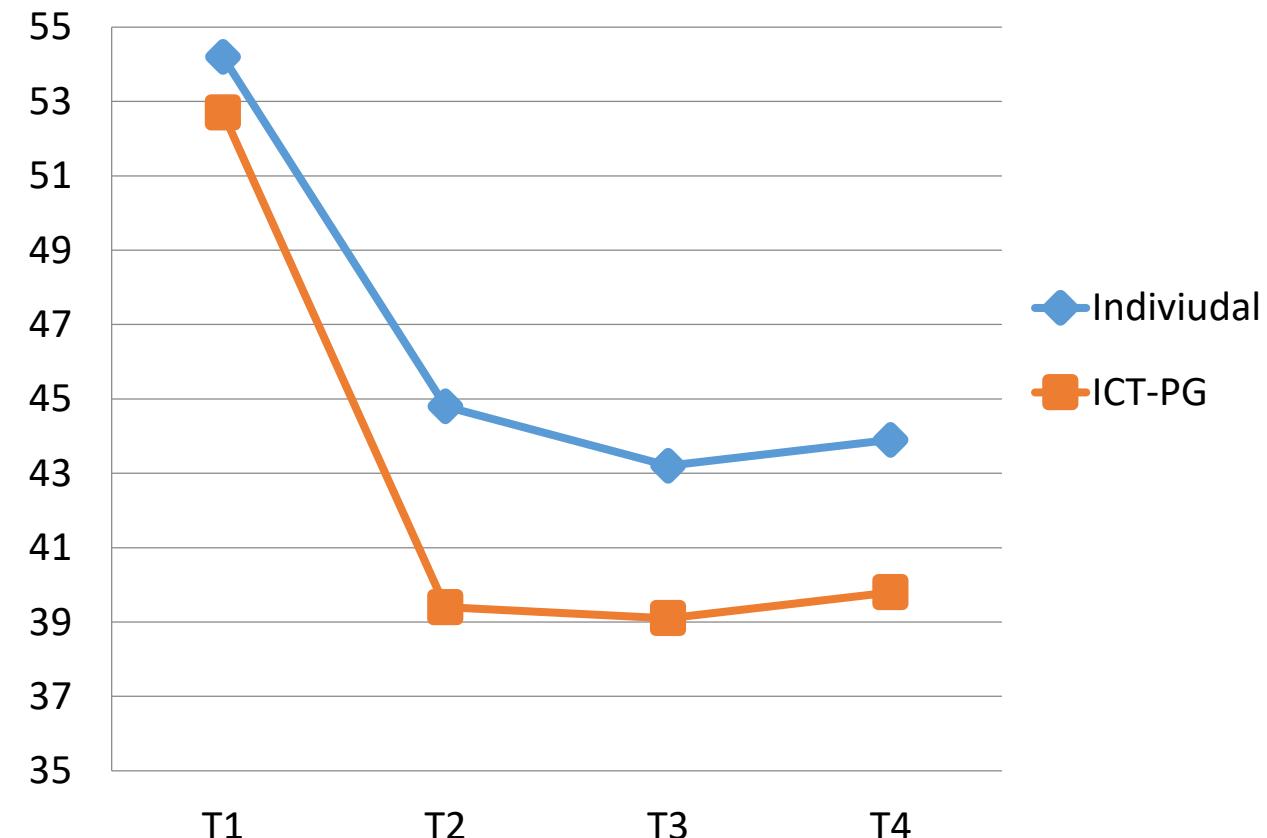


Gambling related beliefs inventory - Gamblers

20

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	54,23 (1,53) ^{abc}	52,67 (1,38) ^{abc}	n.s.
T2	44,78 (1,67) ^a	39,44 (1,44) ^a	*
T3	43,26 (1,79) ^b	39,11 (1,48) ^b	n.s.
T4	43,86 (1,94) ^c	39,80 (1,56) ^c	*
Tot	47,18	43,00	**

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

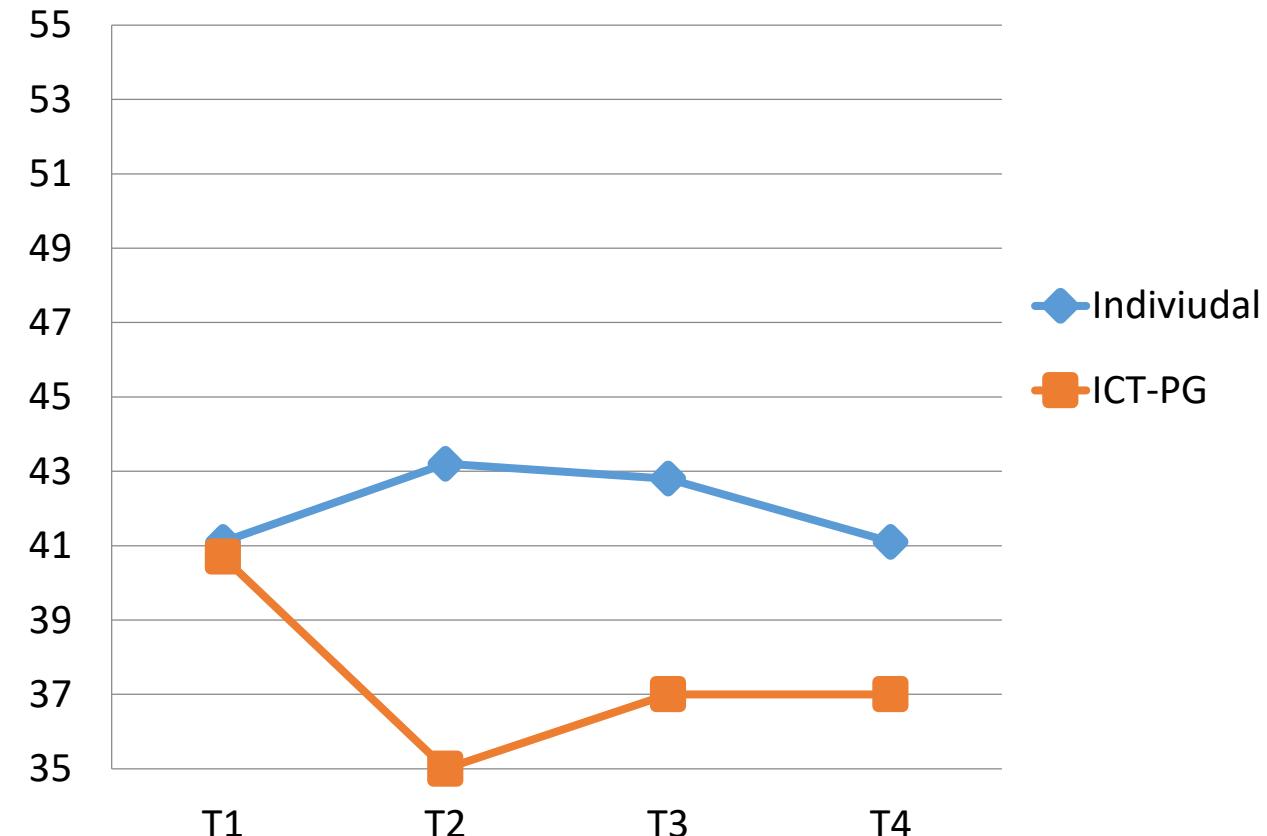


Gambling related beliefs inventory - Partners

21

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	41,05 (1,08) ^{ab}	40,74 (0,98) ^{abc}	n.s.
T2	43,22 (1,12) ^a	35,03 (0,99) ^{ade}	****
T3	42,84 (1,13) ^{bc}	37,12 (1,01) ^{bd}	***
T4	41,08 (1,19) ^c	37,38 (1,02) ^{ce}	*
Tot	41,98	37,78	**

P<0,0001****; P<0,001***; P<0,01**; P<0,05*



Couple

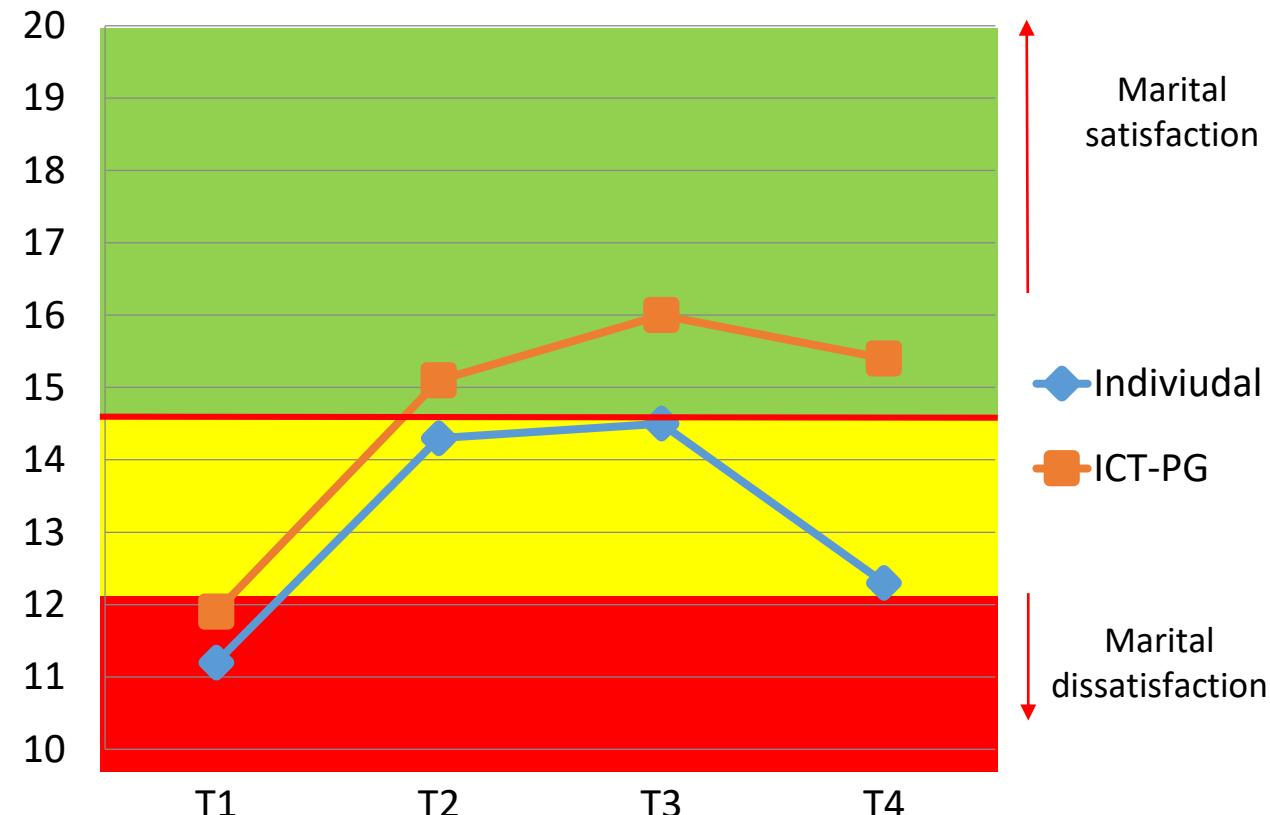


Dyadic Adjustment Scale (DAS-4) - Gamblers

23

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	11,20 (0,53) ^{ab}	11,96 (0,48) ^{abc}	n.s.
T2	14,29 (0,58) ^{ac}	15,09 (0,49) ^a	n.s.
T3	14,49 (0,61) ^{bd}	16,08 (0,51) ^b	*
T4	12,30 (0,70) ^{cd}	15,43 (0,55) ^c	***
Tot	12,96	14,52	**

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

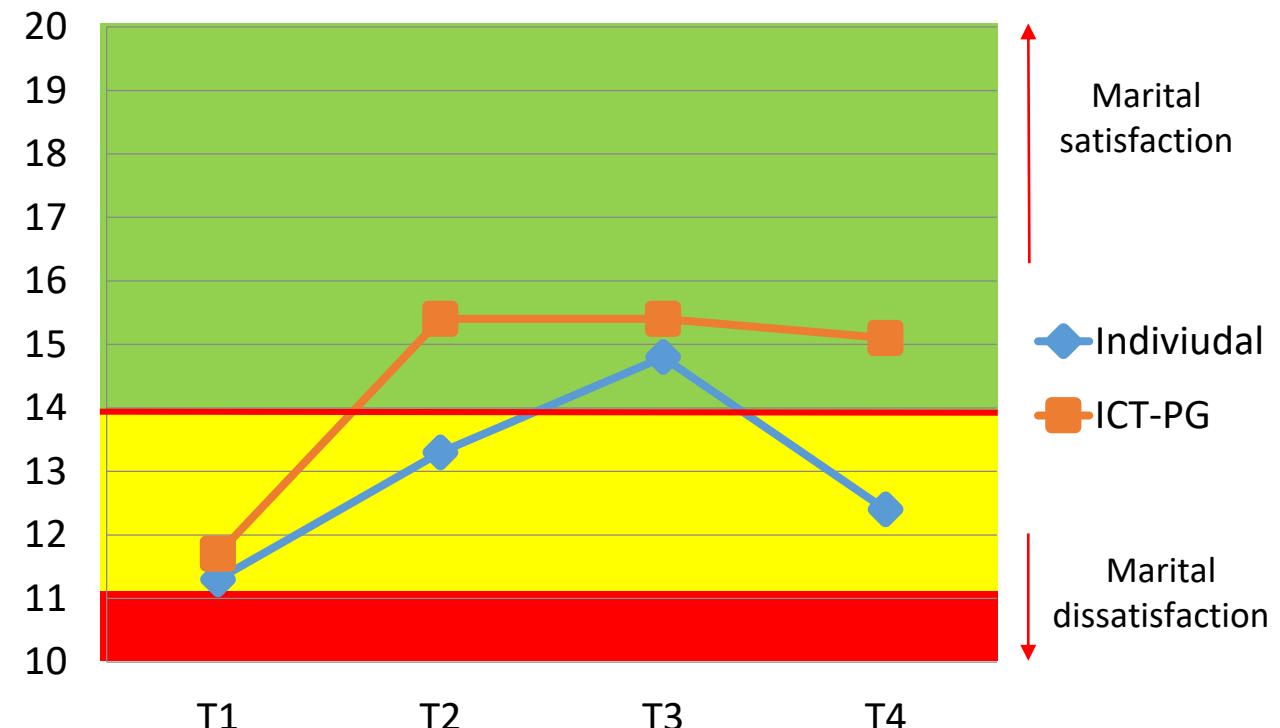


Dyadic Adjustment Scale (DAS-4) - Partners

24

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	11,29 (0,35) ^{abc}	11,67 (0,32) ^{abc}	n.s.
T2	13,28 (0,37) ^{ad}	15,42 (0,32) ^a	****
T3	14,76 (0,38) ^{bde}	15,35 (0,34) ^b	n.s.
T4	12,38 (0,41) ^{ce}	15,05 (0,35) ^c	****
Tot	12,74	14,16	**

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

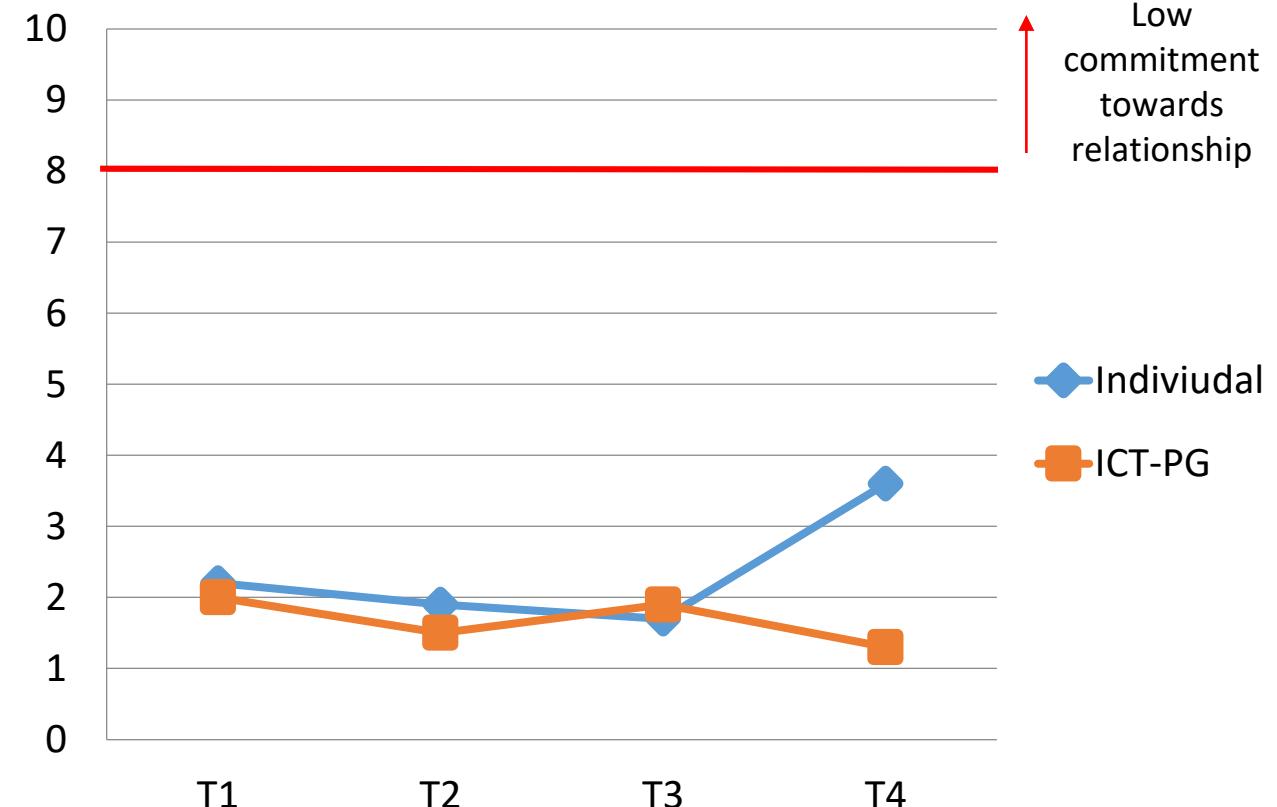


Marital Status Inventory (MSI) - Gamblers

25

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	2,18 (0,28) ^a	2,02 (0,25) ^a	n.s.
T2	1,91 (0,30) ^b	1,48 (0,26)	n.s.
T3	1,65 (0,32) ^c	1,90 (0,27)	n.s.
T4	3,63 (0,38) ^{abc}	1,27 (0,30) ^a	****
Tot	2,22	1,70	*

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

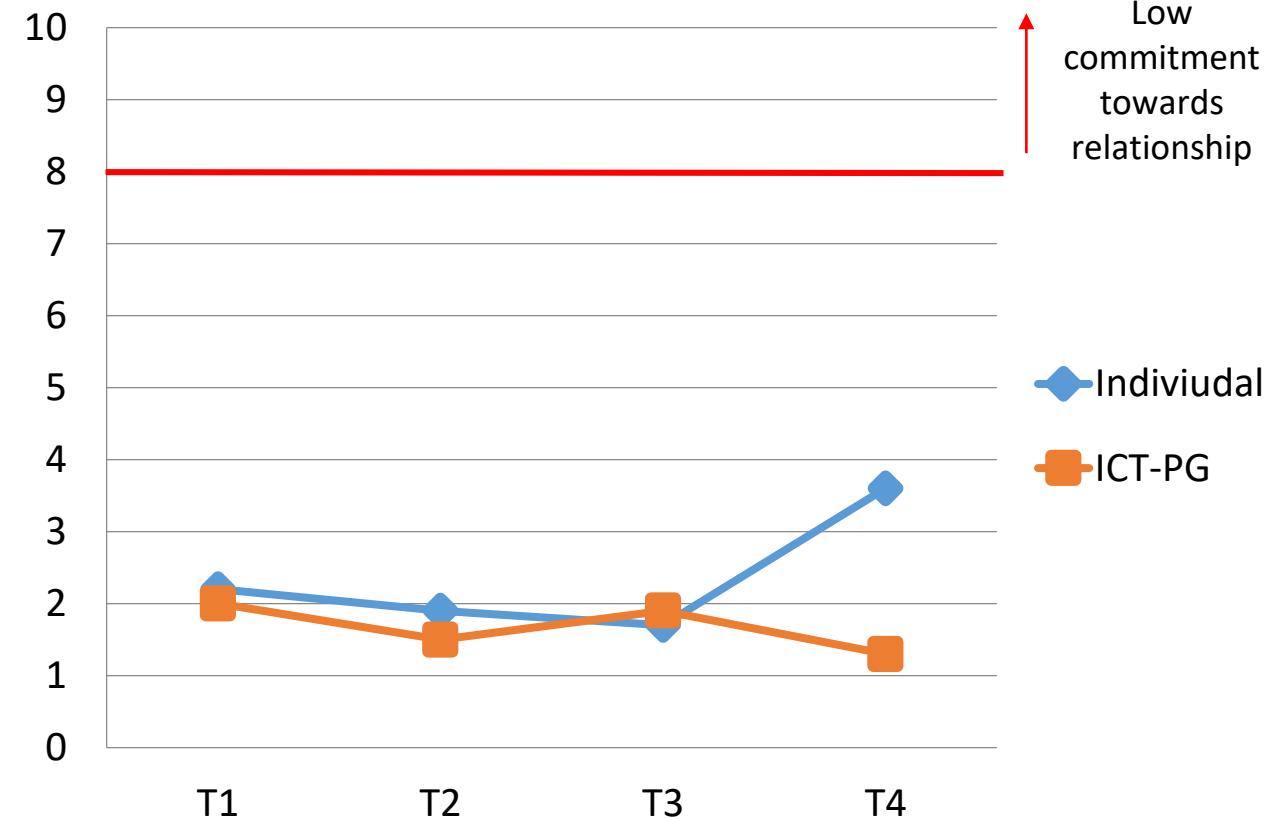


Marital Status Inventory (MSI) - Partners

26

	Individual <i>M (SD)</i>	ICT-PG <i>M (SD)</i>	Sig.
T1	4,10 (0,26) ^{abc}	4,14 (0,23) ^{abc}	n.s.
T2	3,59 (0,27) ^{ad}	2,19 (0,24) ^a	***
T3	2,15 (0,28) ^{bde}	2,26 (0,24) ^b	n.s.
T4	3,33 (0,31) ^{ce}	2,17 (0,25) ^c	**
Tot	3,42	2,81	*

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

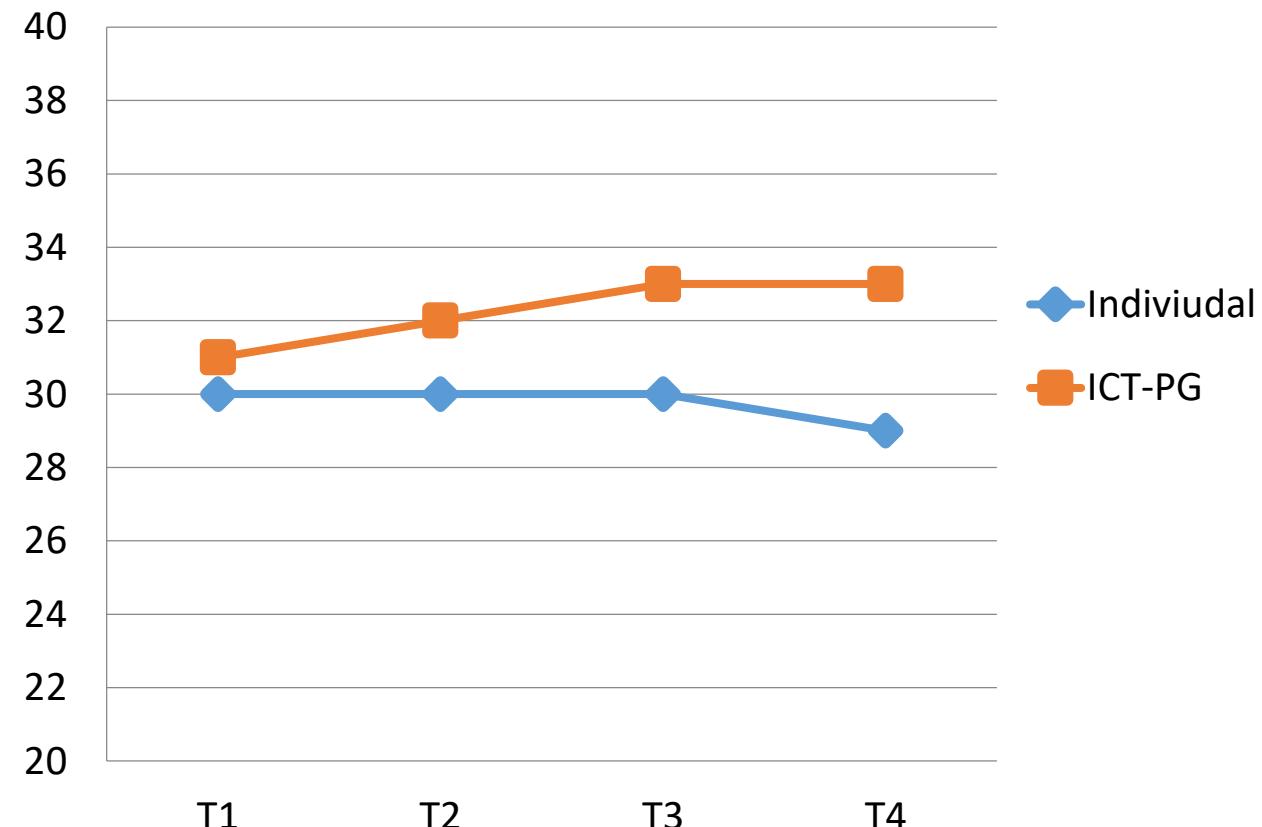


Couples Support Questionnaire - Gamblers

27

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	30,68 (0,51)	31,10 (0,46) ^{abc}	n.s.
T2	30,77 (0,56)	32,65 (0,48) ^a	**
T3	30,64 (0,59)	33,30 (0,49) ^b	***
T4	29,66 (0,67)	33,67 (0,54) ^c	****
Tot	30,51	32,56	****

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

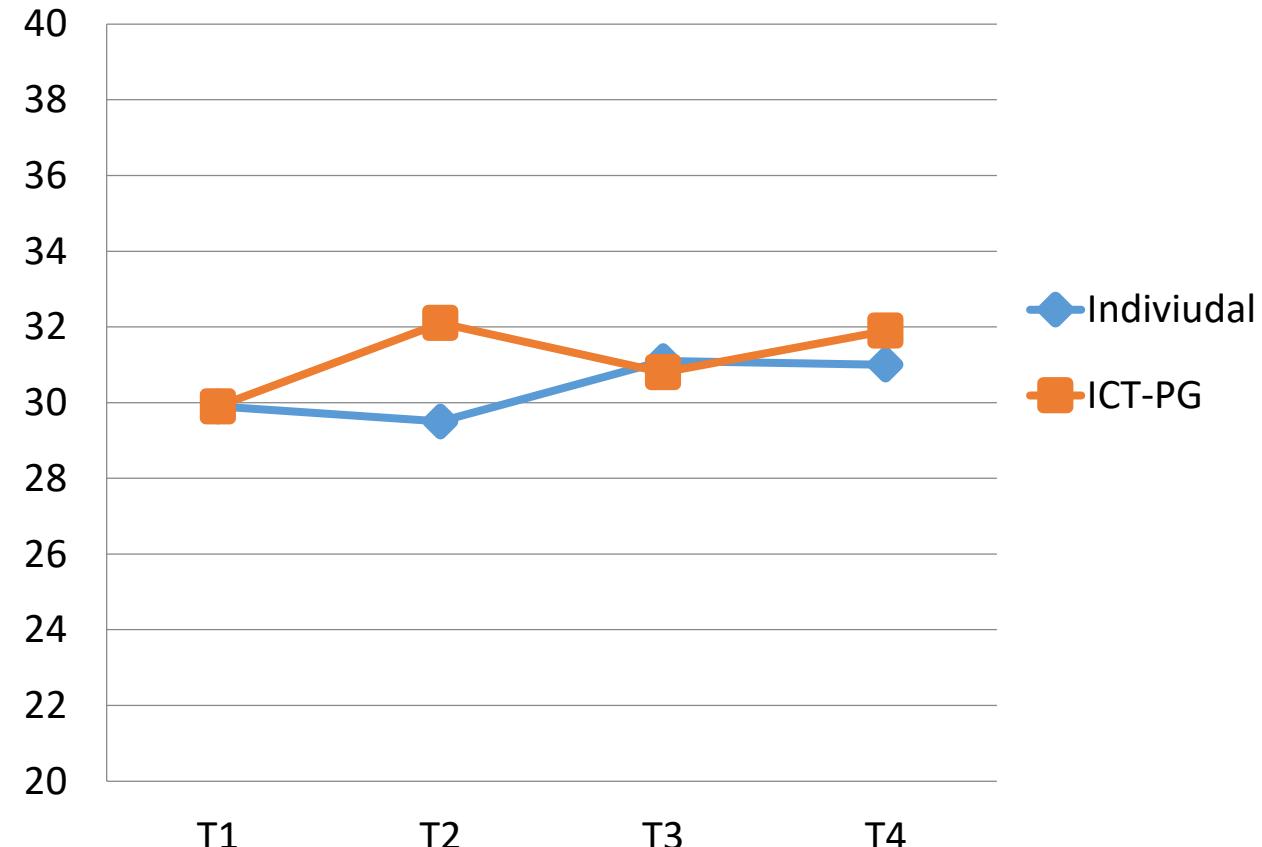


Couples Support Questionnaire - Partners

28

	Individual M (SD)	ICT-PG M (SD)	Sig.
T1	29,90 (0,51) ^{ab}	29,93 (0,46) ^{abc}	n.s.
T2	29,46 (0,53) ^{cd}	32,05 (0,47) ^{ad}	***
T3	31,09 (0,54) ^{ac}	30,83 (0,47) ^{bde}	n.s.
T4	30,99 (0,58) ^{bd}	31,85 (0,49) ^{ce}	n.s.
Tot	30,21	31,05	n.s.

P<0,0001****; P<0,001***; P<0,01**; P<0,05*



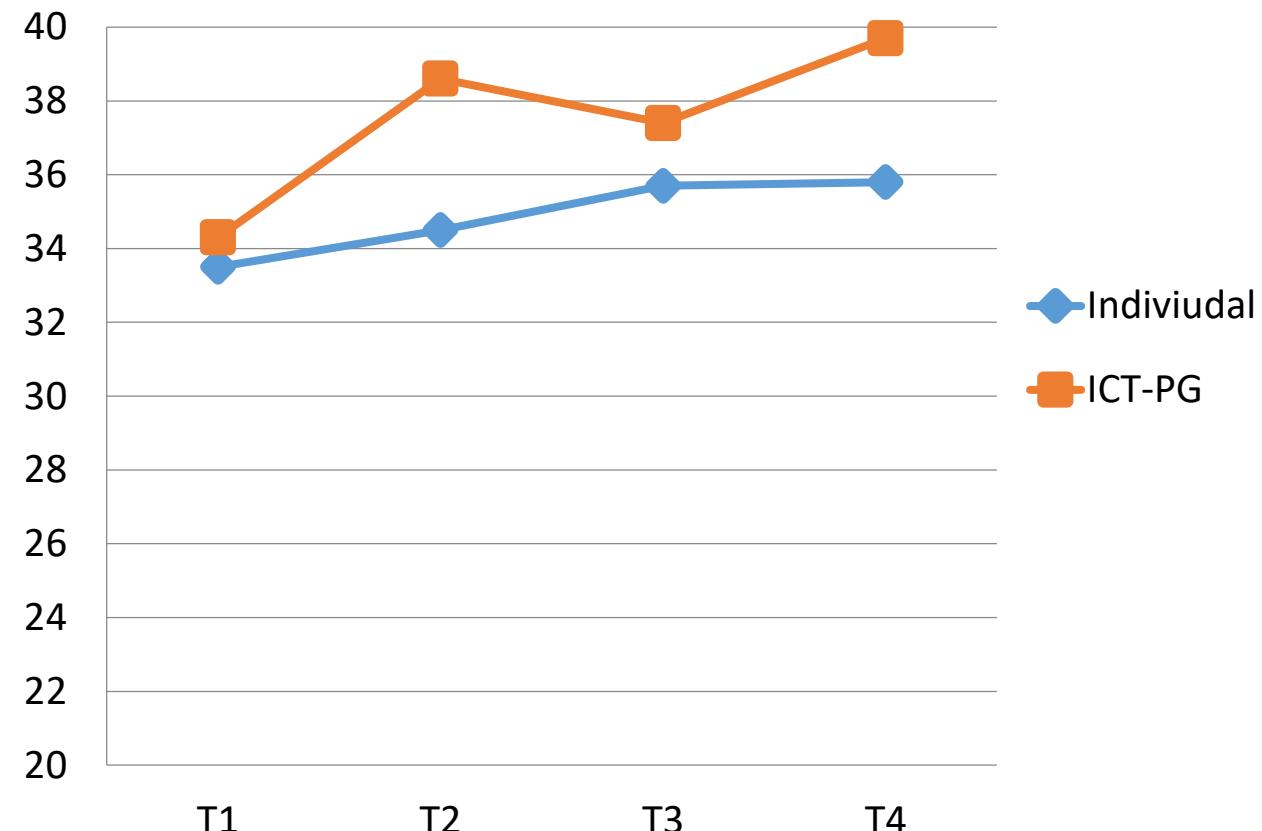
Interpersonal Communication Skills Inventory

Gamblers (oneself evaluation)

29

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	33,48 (1,00)	34,34 (0,90) ^{abc}	n.s.
T2	34,48 (1,09)	38,57 (0,94) ^a	**
T3	35,66 (1,17)	37,41 (0,97) ^b	n.s.
T4	35,86 (1,32)	39,68 (1,06) ^c	*
Tot	34,63	37,25	**

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

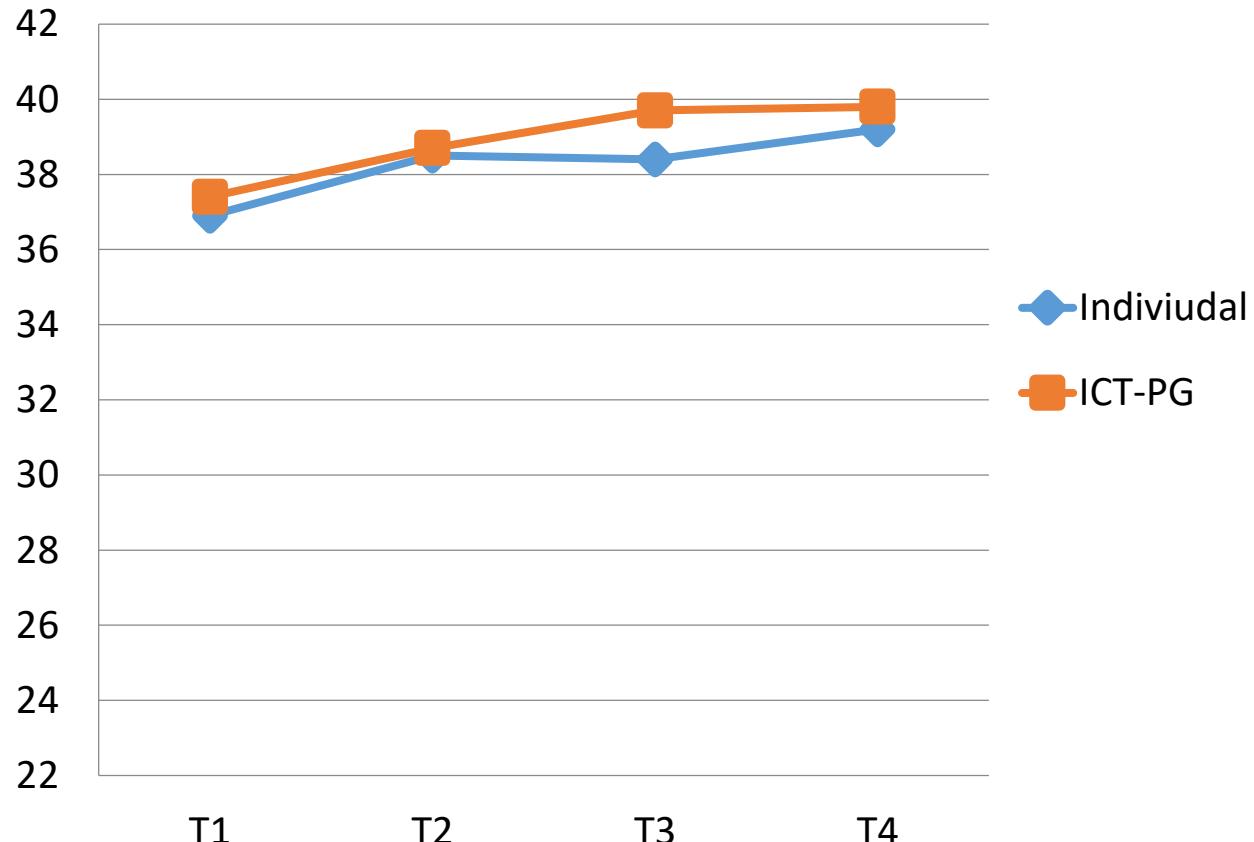


Interpersonal Communication Skills Inventory

Partners (oneself evaluation)

	Individual <i>M (SD)</i>	ICT-PG <i>M (SD)</i>	Sig.
T1	36,99 (0,58) ^{abc}	37,39 (0,53) ^{abc}	n.s.
T2	38,45 (0,61) ^a	38,69 (0,54) ^{ade}	n.s.
T3	38,42 (0,62) ^b	39,73 (0,54) ^{bd}	n.s.
T4	39,24 (0,67) ^c	39,82 (0,57) ^{ce}	n.s.
Tot	37,99	38,74	n.s.

P<0,0001****; P<0,001***; P<0,01**; P<0,05*



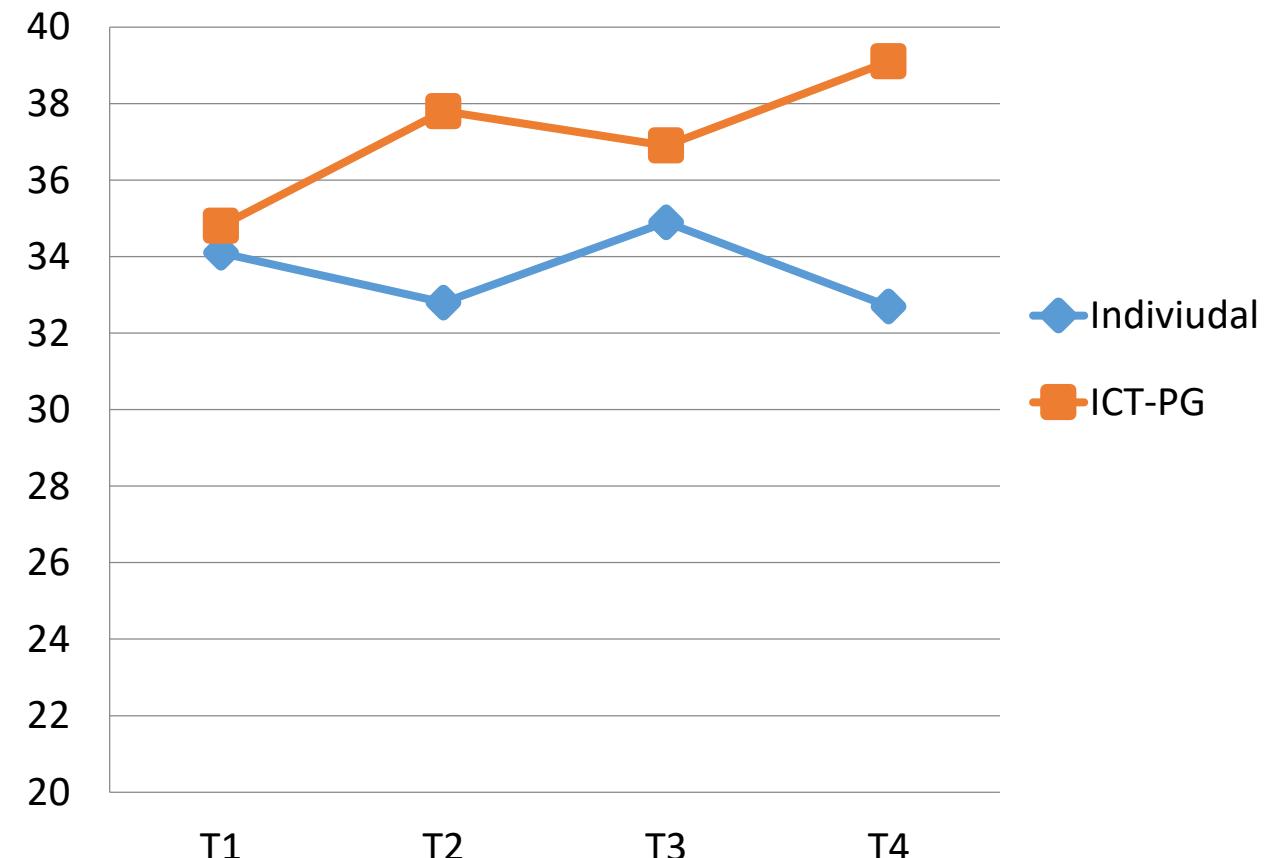
Interpersonal Communication Skills Inventory

Gamblers (partner evaluation)

31

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	34,11 (1,19)	34,81 (1,05) ^{ab}	n.s.
T2	32,84 (1,29)	37,80 (1,11) ^a	**
T3	34,97 (1,38)	36,89 (1,14)	n.s.
T4	32,68 (1,63)	39,06 (1,21) ^b	**
Tot	33,74	36,94	**

P<0,0001****; P<0,001***; P<0,01**; P<0,05*



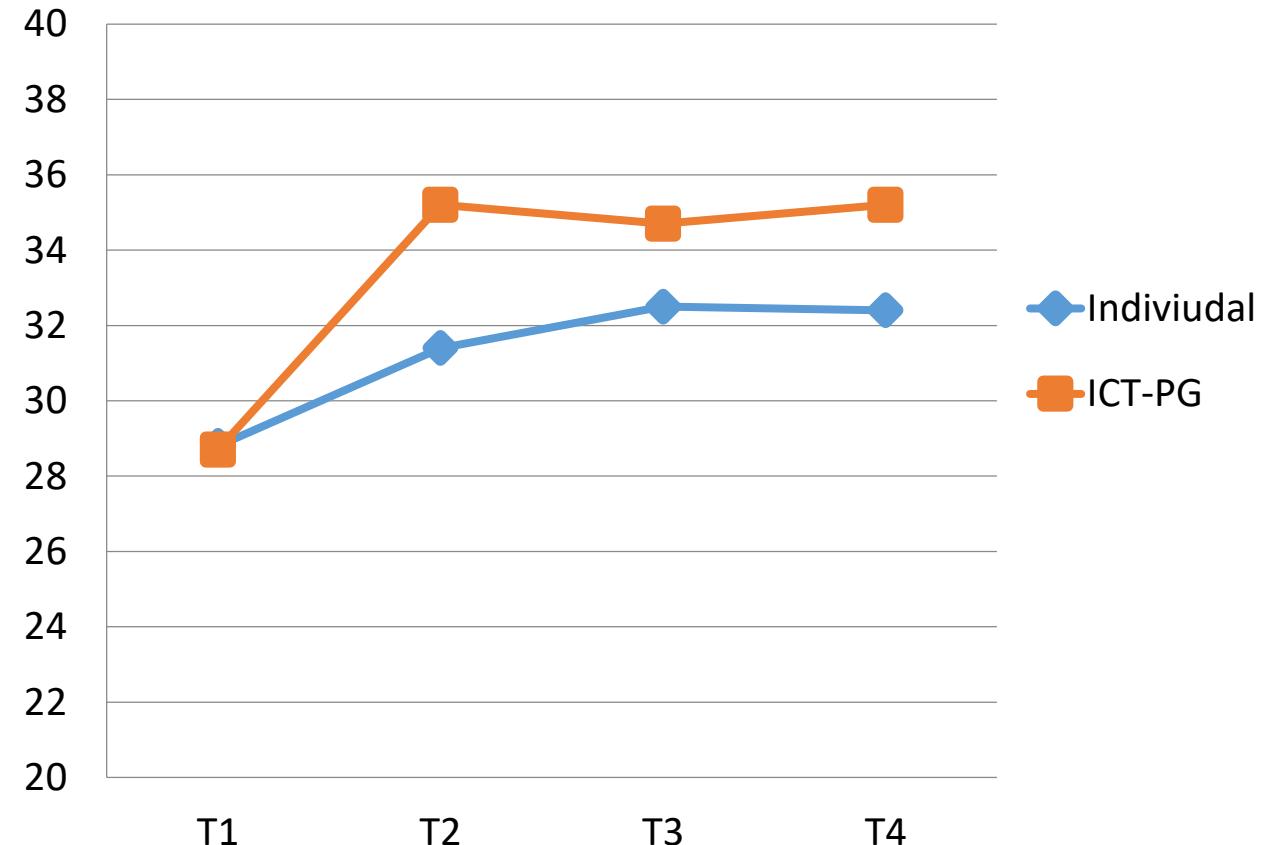
Interpersonal Communication Skills Inventory

Partners (partner evaluation)

32

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	28,76 (0,80) ^{abc}	28,69 (0,72) ^{abc}	n.s.
T2	31,36 (0,82) ^a	35,22 (0,73) ^a	***
T3	32,50 (0,84) ^b	34,65 (0,75) ^b	n.s.
T4	32,43 (0,90) ^c	35,15 (0,78) ^c	*
Tot	30,84	32,93	*

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

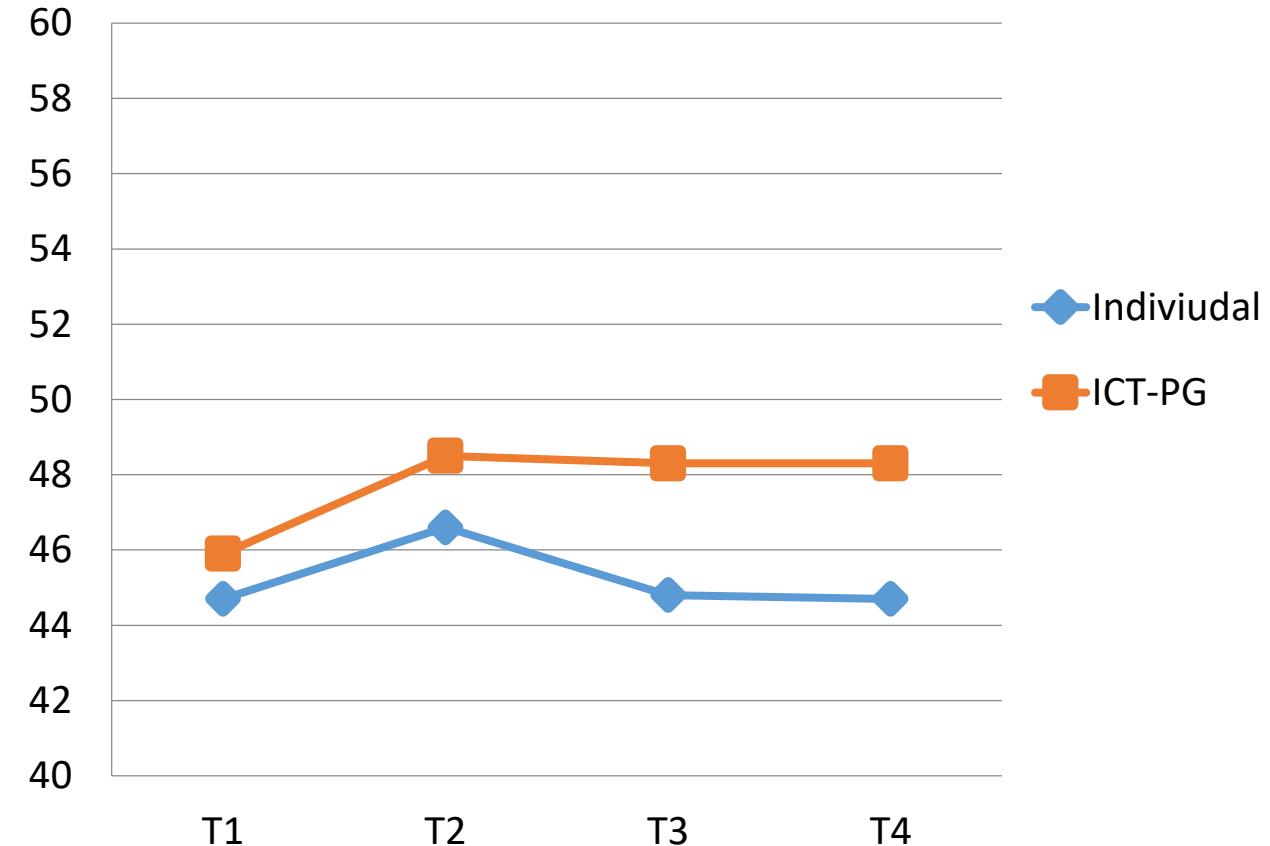


Marital Problem Solving Scale (MPSS) - Gamblers

33

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	44,67 (1,05)	45,95 (0,95) ^a	n.s.
T2	46,63 (1,15)	48,53 (0,98) ^a	n.s.
T3	44,75 (1,23)	48,30 (1,02)	*
T4	44,70 (1,40)	48,29 (1,12)	*
Tot	45,21	47,68	**

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

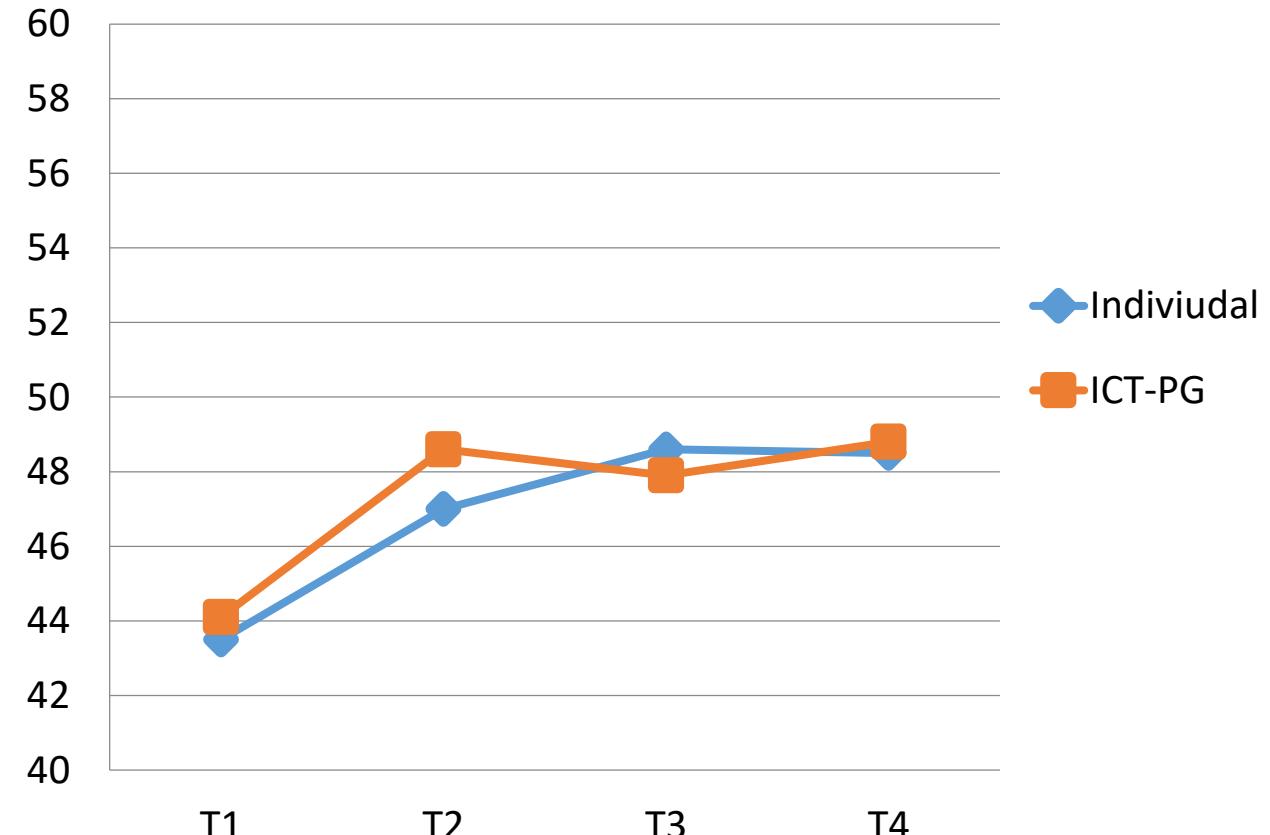


Marital Problem Solving Scale (MPSS) - Partners

34

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	43,53 (0,74) ^{abc}	44,14 (0,67) ^{abc}	n.s.
T2	47,02 (0,77) ^{ade}	48,58 (0,68) ^a	n.s.
T3	48,62 (0,80) ^{bd}	47,90 (0,69) ^b	n.s.
T4	48,54 (0,88) ^{ce}	48,75 (0,73) ^c	n.s.
Tot	45,21	47,06	n.s.

P<0,0001****; P<0,001***; P<0,01**; P<0,05*





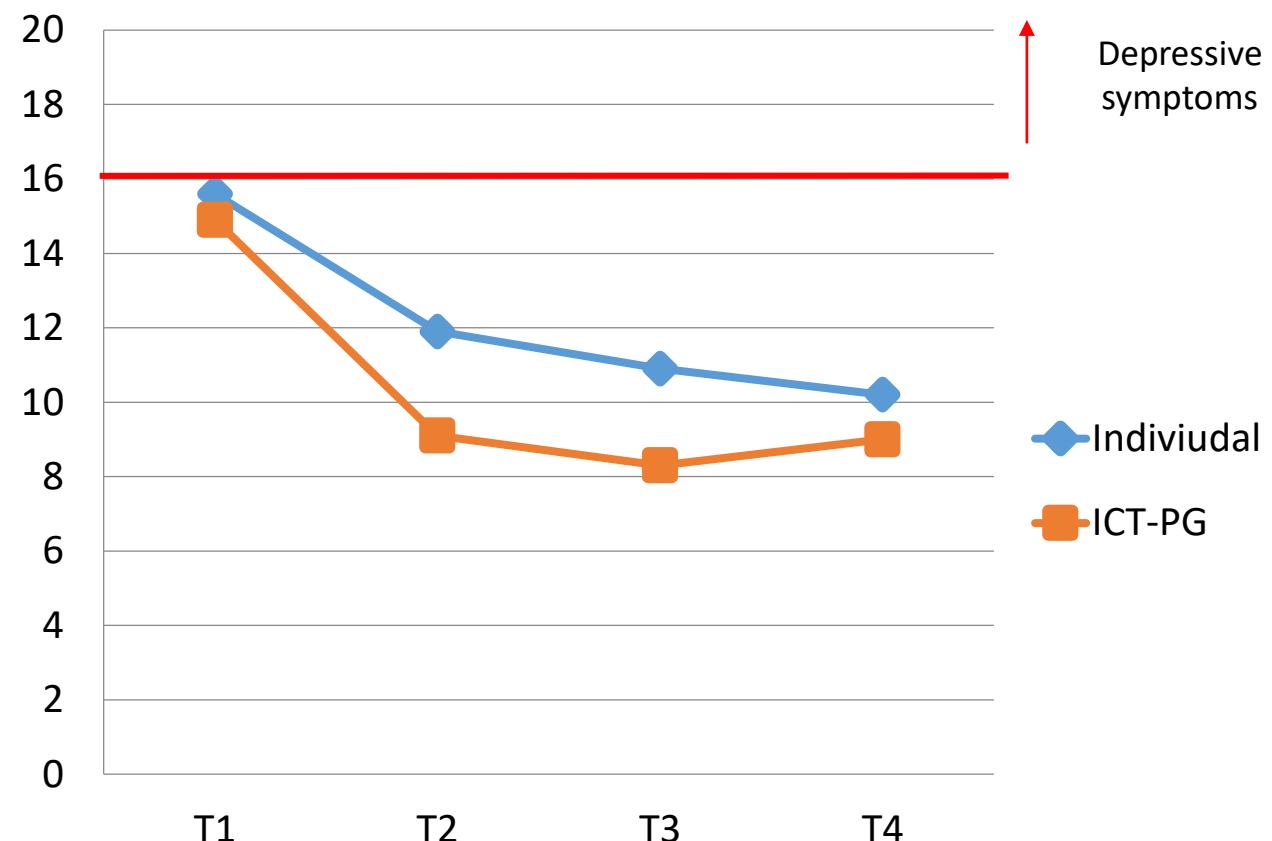
Personnal

Center for Epidemiologic Studies Depression scale (CES-D) - Gamblers

36

	Individual <i>M</i> (<i>SD</i>)	ICT-PG <i>M</i> (<i>SD</i>)	Sig.
T1	15,56 (1,14) ^{abc}	14,88 (1,03) ^{abc}	n.s.
T2	11,86 (1,24) ^a	9,08 (1,06) ^a	n.s.
T3	10,96 (1,33) ^b	8,29 (1,10) ^b	n.s.
T4	10,22 (1,48) ^c	9,01 (1,15) ^c	n.s.
Tot	12,56	10,51	*

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

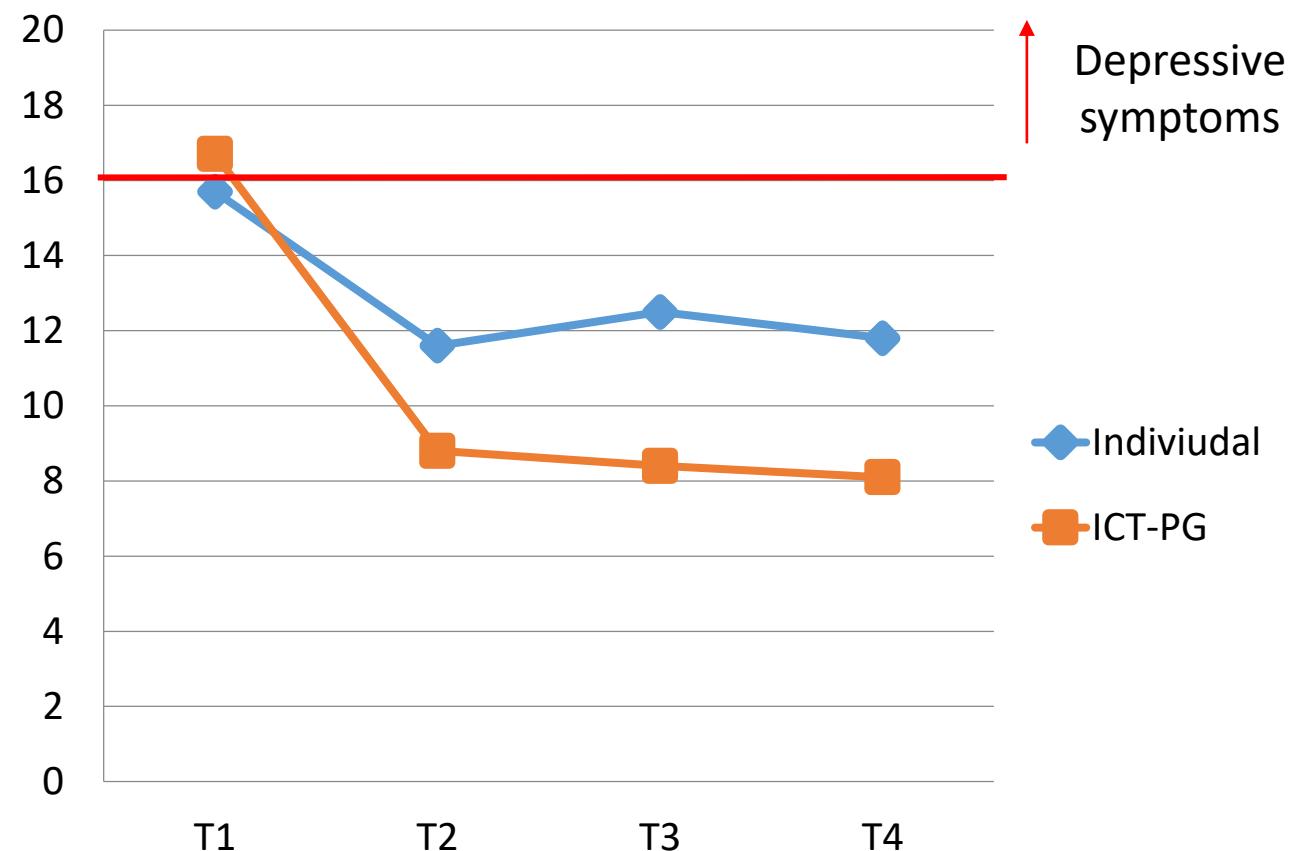


Center for Epidemiologic Studies Depression scale (CES-D) - Partners

37

	Individual <i>M</i> (SD)	ICT-PG <i>M</i> (SD)	Sig.
T1	15,67 (0,85) ^{abc}	16,71 (0,76) ^{abc}	n.s.
T2	11,63 (0,89) ^a	8,81 (0,78) ^a	*
T3	12,46 (0,92) ^b	8,37 (0,79) ^b	***
T4	11,81 (0,99) ^c	8,07 (0,82) ^c	**
Tot	13,32	11,02	*

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

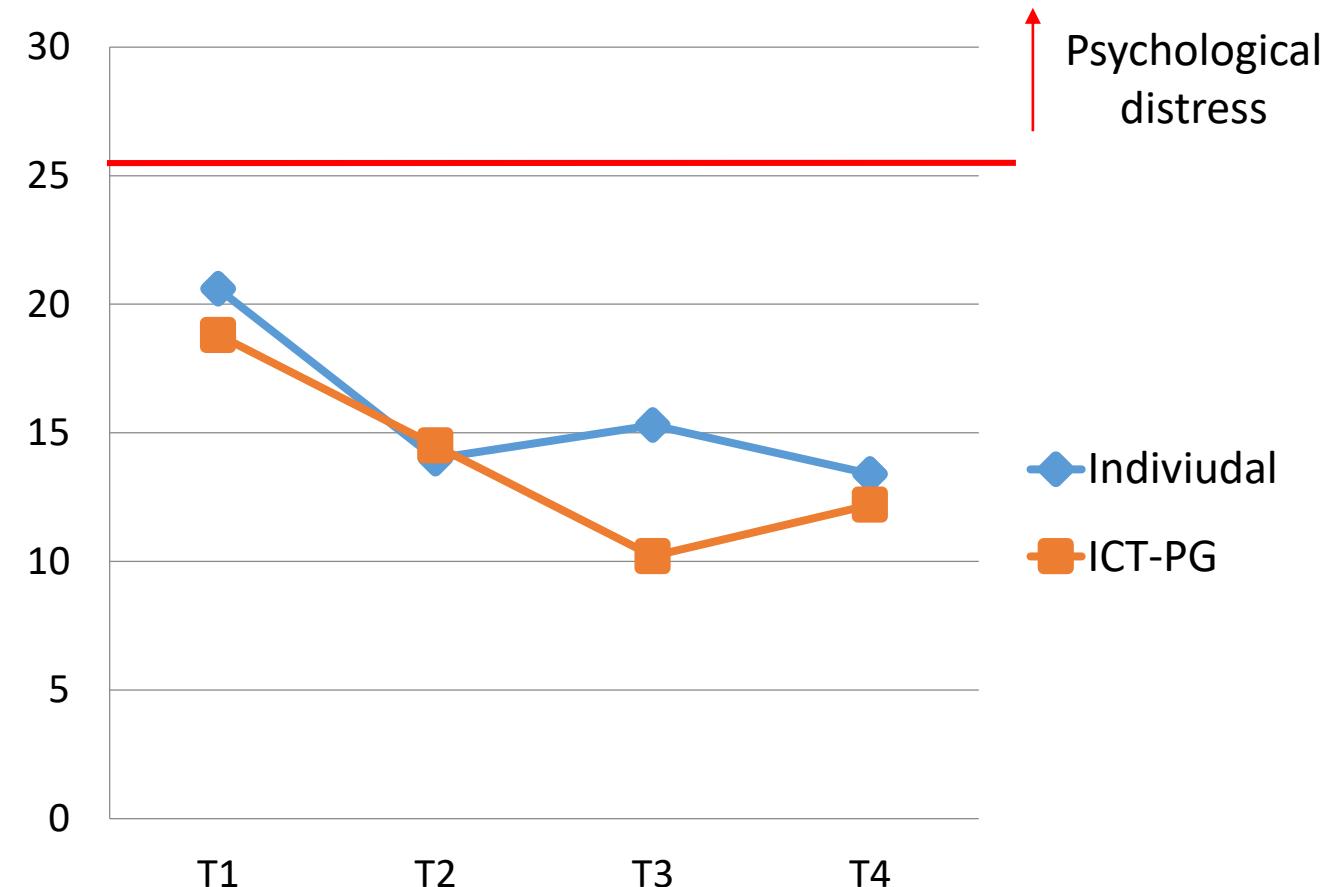


Psychiatric symptom index - Gamblers

38

	Individual M (SD)	ICT-PG M (SD)	Sig.
T1	20,58 (1,58) ^{abc}	18,83 (1,43) ^{abc}	n.s.
T2	14,04 (1,73) ^a	14,45 (1,48) ^{ad}	n.s.
T3	15,26 (1,84) ^b	10,19 (1,53) ^{bd}	*
T4	13,43 (2,04) ^c	12,24 (1,59) ^c	n.s.
Tot	16,38	14,20	n.s.

P<0,0001****; P<0,001***; P<0,01**; P<0,05*

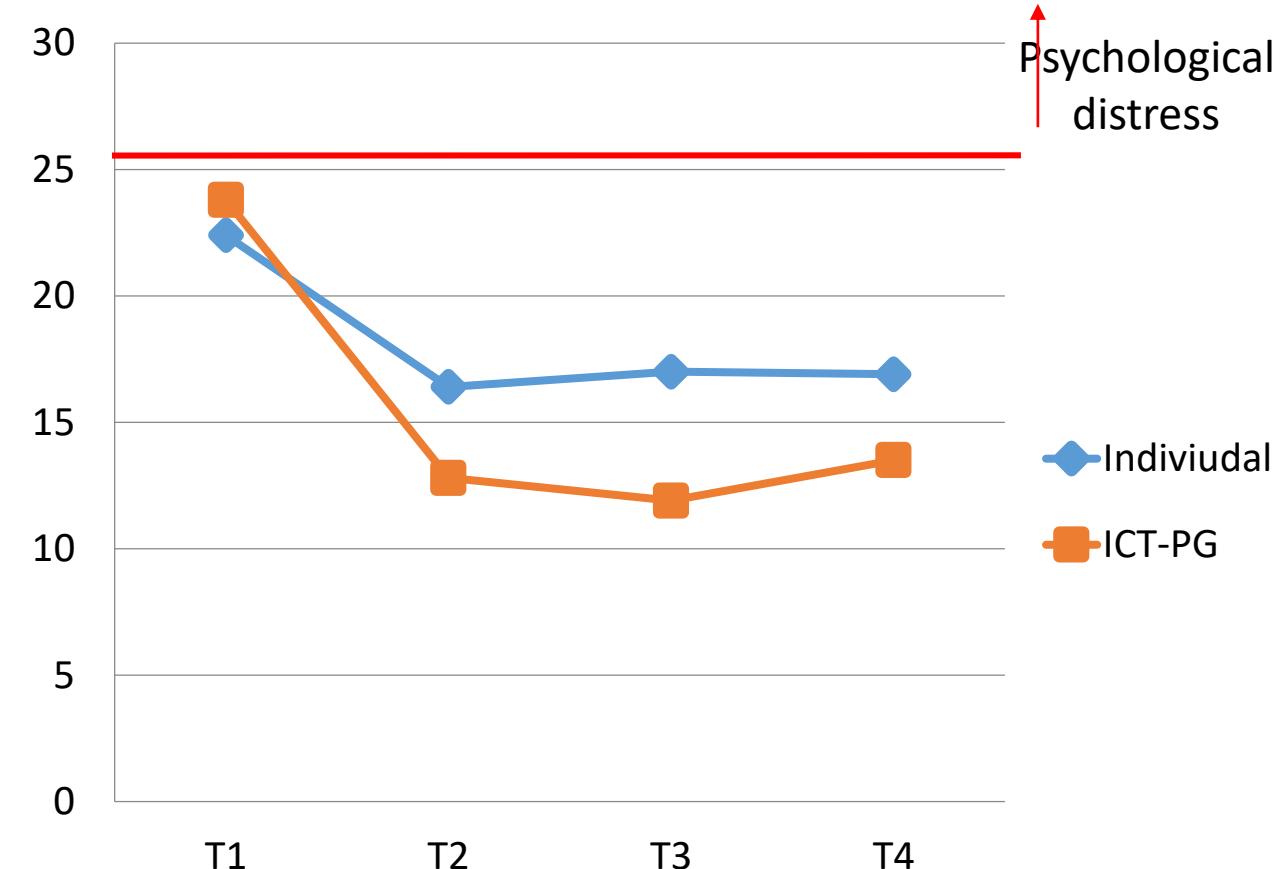


Psychiatric symptom index - Partners

39

	Individual <i>M (SD)</i>	ICT-PG <i>M (SD)</i>	Sig.
T1	22,38 (1,08) ^{abc}	23,75 (0,97) ^{abc}	n.s.
T2	16,40 (1,13) ^a	12,76 (0,99) ^a	*
T3	17,03 (1,16) ^b	11,94 (1,01) ^b	***
T4	16,96 (1,25) ^c	13,45 (1,04) ^c	*
Tot	18,84	16,13	*

P<0,0001****; P<0,001***; P<0,01**; P<0,05*



The background of the slide features a dynamic, abstract design composed of numerous overlapping circles in a variety of colors, including red, orange, yellow, green, blue, and purple. These circles overlap in various ways, creating a sense of depth and movement across the white surface.

CONCLUSION

Conclusion

41

- Globally, participants in both modalities improved over time.
- On many indices of gambling severity, the gamblers in ICT-PG showed a better improvement at follow-ups: better reduction in gambling addiction, capacity of control and erroneous cognitions.
- Partners get far more psychological benefits when they are included in ICT-PG than when the gambler has access to individual treatment
 - Observation and limitation: Partners in Individual modality receive few services
- The couple modality is also associated with a better couple functioning observed on different variables at both follow-ups: Marital satisfaction, mutual support, degree of commitment, communication and negotiation abilities.
- The results illustrate the necessity to offer a better diversity of treatment modalities to gamblers and their partner.
- Further research should help understand how to improve this type of intervention by responding to questions like:
 - What is the optimal number of couple sessions?
 - Can we have a combination of couple and individual sessions?
 - The effectiveness of ICT-PG with concomitant problems related to substance abuse/mental health and gambling.

The background of the slide features a vibrant, abstract design composed of numerous overlapping circles in various colors, including red, orange, yellow, green, blue, and purple. These circles are arranged in a way that creates a sense of depth and movement across the white surface.

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