## **Bilaga 1.** Table 1a. Treatment of gambling problems and pathological gambling with psychological methods

Author	Study design	Intervention	Comparison	Results	Attendance rate
Country	Setting	Participants	Participants		Fidelity
	Population	Dropout from	Dropout rate		Training of therapists
	Inclusion criteria	assessment			Comments
	Follow up time				
Abbott	Study design	Intervention 1	Comparison	Median days gambled	Retention
2012	RCT	Telephone MI, app	Helpline TAU (brief	per month	81 % for all groups
New Zealand		30 min	screening, problem	Decreased significantly	
	Recruitment and	n=112	identification and	in all groups (from 6–	Attendance rate
	setting		referral or	7,5 days to 1,0–2,0 at 6	34 % received all four
	National Helpline	Intervention 2	suggestions for self-	months)	boosters; 14 % none
	Center	Telephone MI +	care)	No significant	
		workbook sent	n=116	difference between	Therapist
	Population	after the MI session		groups	qualifications
	n=1298 help seeking	n=118	Nb participating in		Helpline counsellors,
	problematic gamblers		assessment at 6	Percent Gambling-quit	received training on
	assessed by the help	Intervention 3	months	or improved	and performed all four
	line counsellors,	MI + workbook + 4	n=92 (79%)	72–75 % in TAU, MI	interventions; trained
	n=391 excluded and	booster sessions,		and MI + WB; 87 % in	by a MI-specialist
	n=445 not consenting;	10–15 min each,		MI + WB + B at 6	
	n=462 randomised	reinforcing the		months (ns)	Fidelity
		messages from the			High. Measured and
	Inclusion criteria	workbook, 7 days,		The same pattern was	independently
	Age $\geq 18$ years	1 month, 3 month		seen for PGSI score,	assessed (MITI)
	Individuals who were	and 6 months after		control over gambling	
	considered psychotic	MI		behavior and	Comments
	or to require	n=116		psychological distress	Attrition 31–41 % at
	immediate crisis or			-	12 month assessment
	police intervention			Substance abuse was	
	were excluded			not affected	

		Nb participating in			MI + WB + B group
	Follow up time	assessment at 6			had less females (45
	Posttest, 3, 6 and 12	months			% vs 53–59 %)
	months	I1: n=78 (70 %)			
		I2: n=88 (75 %)			
		I3: n=82 (71 %)			
Carlbring	Study design	Intervention	Comparison	Posttest	Retention
2008	RCT	CBT delivered via	Wait list	NODS (adapted,	68 % completed the
Sweden		Internet and with	n=32	gambling last 30 days),	modules within 6
	Recruitment	phone support		Cohen's d: 1,36	months
	advertisements	(once weekly, 15	Nb participating in	(p<0.001)	
		minutes)	assessment		Therapist
	Population	n=34	n=28 posttest.	HADS- D, HADS-A	qualifications
	Pathological		No follow up	and OOLI	Social workers with 2
	gamblers:	Extent	measurement	CBT significantly	vears training in CBT
	n = 224 assessed	4 modules had a		better than wait list	and MI
	n = 66 included	MI focus. 4			
	mean age: 32 years	modules based on		Proportion not having	Fidelity
	(18 - 57  years)	CBT. Participants		gambled the past	NA
	gender: 94 % male	required to post a		month (wait list and	
	2	message per		CBT together)	Comments
	Inclusion criteria	module in an		6 months: 68 %	All diagnoses made
	Fulfil DSM-IV criteria	online discussion		18 months: 62 %	over the phone: no
	for PG	group + homework		36 months: 56 %	personal meetings
	MADRS < 21 (<4 on	assignments			
	suicide item)	8			
	>18 years	nb participating in			
	Gambling > 1 times	assessments			
	last 30 days	n=32 post test			
		n=28 (36 months)			
	Follow up time				
	Posttest for both				
	groups; up to 36				
	months for CBT				

Cunningham	Study design	Intervention 1	Comparison	Mean dollars spent on	Retention
2012	RCT	PNF	Asked to tell what	betting past 30 days	NR
Canada		n=70	they thought should	All groups improved	
	Recruitment		be included in self-	significantly, no	Attendance rate
	Telephone survey,	Intervention 2	help materials.	difference between	NA
	random digit dialing	Partial feedback	n=69	groups	
		(without normative			Fidelity
	Population	component)		Number of days	NA
	n=8015 respondents to	n=70		gambling past 30 days	
	a survey who were			Partial feedback	Comments
	spending more than	Nb participating in		improved at 12 months	Screening question
	\$100 on gambling the	assessment		(p<0,02 for comparison	was whether the
	previous year; n = 766	6 months: 75 % of		between groups)	gamblers would be
	were eligible and n =	the total sample, no			interested in helping
	209 consented	significant			to develop and
		differences			evaluate self-help
	Inclusion criteria	between groups			materials
	PGSI≥3	12 months: 70 %,			Remuneration \$60 for
	Age: $\geq 18$ years	no sign difference			three assessments
		between groups			
	Follow up time				
	3, 6 and 12 months				
Diskin	Study design	Intervention	Comparison	Mean dollars spent per	Retention
2009	RCT, stratified for	MI	Control interview	month (6 months)	100 %
	gender, age and	n=42	based on SCID –II	MI significantly better	
	gambling severity		n=39	than control	Attendance rate
		Extent			100 %
	Setting	75.8 (SD 19.4) min	Extent	Mean gambling	
	One university clinic		54.4 (SD 13.8) min	days/month (6 months)	Fidelity
		Nb participants in		MI significantly better	High, as rated by two
	Population	assessment	Nb participants in	than control	blinded raters who
	n=136 concerned	n=39 at 12 month	assessment		watched 20 % of
	gamblers responding	follow up	n=30 at 12 month	Mean SOGS and PGSI	audiotaped sessions.
			follow up	(12 months)	

	to advertisements;			No difference between	No difference between
	n=97 randomized			groups	therapists
	Inclusion criteria Age > 17 years PGSI-CPGI > 3 Gambled in the 2 preceding months				<i>Therapist</i> <i>qualifications</i> 2 doctoral students intensively trained in the methods
	<i>Follow up time</i> 1, 3, 6, 12 months post interventions				<i>Comments</i> Participants were remunerated (20 \$ + 30 \$) Drop outs had gambled more and had higher scores on NODS
Echeburua	Study design	Interventions	Comparison	Proportion not	Retention rate
2000	Uncontrolled	Step 1: stimulus	Step 1: stimulus	relapsing at 12 months	NR
Spain	treatment followed by	control and gradual	control and gradual	Individual: 82,6 %	Attendance rate
	RCT for responders.	in-vivo exposure	in-vivo exposure	Group: 78,3 %	NR
	Aim to prevent relapse	with response	with response	C: 52%	Eidalia.
	Recruitment method	prevention.	prevention	p<0,03	r ideiliy NR
	Screening of	Step 2a	Step 2. no		
	individuals seeking	Individual relapse	prevention		Therapist
	treatment at a	prevention	n=21		qualifications
	Pathological	n=23			1 clinical psychologist
	Gambling Center		Nb participating in		with 5 years'
		Nb participating in	assessment		experience of CBT for
	Population	assessments	n=12		gambling
	n=104 seeking	19 (82,4%)			
	treatment at the				Comments

	<ul> <li>center; n=69 (13 % F) with mean age 36 years and average SOGS=10,5 (SD 2,5) fulfilled criteria</li> <li><i>Inclusion criteria</i> Step 1. Pathological gambling (DSM-IV) SOGS&gt;4 No other psychopathological disorder</li> <li>Step 2. Total abstinence from gambling; n=69</li> <li><i>Follow up time</i> Step 2: 1,3,6,12</li> </ul>	Step 2b. Group relapse prevention (4-7 persons). Same content as 2a. n=23 <i>Extent</i> 2 hr sessions <i>nb participants in</i> <i>assessment</i> 18 (78,3 %)			The interventions are described in a Spanish language manual (Fernandez- Montalvo & Echeburua, 1997)
	step 2: 1,5,0,12 months				
Grant	Study design	Intervention	Comparison	Proportion abstainers	Retention rate
2009	RCT	IDMI (CBT, MI	GA,	past 30 days at 8 weeks	IDMI: 25 /33 (76 %)
		and imaginal	n = 35	IDMI: 21/33	GA: 30/35 (86 %)
Grant	Recruitment	desensitization)	followed by IDMI	GA: 7/35	
2011	Newspaper	n=33	for non-responders	Fisher's exact test	Attendance rate
USA	advertisement and		after 8 weeks	<0,001	GA: 26/35 attended at
	referral for	Extent	n=27		least one meeting
	psychosocial	6 sessions, 1 hour		Abstainers at 6 months	
	treatment	each, in 8 weeks +	Extent	(both groups had	Fidelity
		homework, 3	8 weeks. Provision	received IDMI)	Independent rating of
	Population	uines/day	times and locations		audiotapes for 12
	Population		times and locations		

	PG Inclusion criteria Age: 18–75 years PG measured by CSI- PG Gambled >1 weekly the past 2 months No substance abuse no psychotropic medication Follow up time Post treatment and 6 months where all had received IDMI	Nb participating in assessment NR, LVCF used for ITT-analysis	and were encouraged to keep a diary <i>Nb participating in</i> <i>assessment</i> NR, LVCF used for ITT-analysis	27/35 of those responding to IDMI=77 %	subjects; score 43 out of 49 <i>Therapist</i> <i>qualifications</i> Two doctoral level therapists, receiving continuous supervision and training <i>Comments</i> Daily smoking was associated with higher risk for relapse
Hodgins 2009 Canada	Study design RCT, stratified for age, gender and problem severity <i>Recruitment</i> Advertisement throughout Canada <i>Population</i> n=604 concerned gamblers responded; n=314 were randomized (45 % M), 89 % fulfilled criteria for PG	Interventions 1. BT: MI + written notes from the MI +WB based on CBT. Materials were mailed. n=83 2. BBT: BT + phone support on 6 occasions n=84 Extent BT: MI mean 33,7 min BBT: MI mean 33,9 min + phone	Comparisons 1. WB by mail after assessment n=82 2. WL (WB after six weeks) n=65 Nb participating in assessment at 6 weeks WB: 61/82 WL: 59/65	Gambling days and dollars lost gambling Posttest BT and BBT significantly better than workbook only 12 months BT, BBT and WB improved compared to baseline but no significant differences between groups	Retention rate BT: 79/83 BBT: 79/84 WB: 82/82 WL: 65/65 Attendance rate Fidelity Random check of audiotapes, mean rating score 12,9/15 Therapist qualifications

	Inclusion criteria Age>17 years PGSI-CPGI>2 Gambled past month No current treatment Follow up time Posttest at 6 weeks, 12, 24, 36, 52 weeks	support (mean 16,3 min each) <i>Nb participating in</i> <i>assessment at 6</i> <i>weeks</i> BT: 70/79 BBT: 58/79 <i>Nb participating in</i> <i>assessment at 36</i> <i>weeks</i> BT: 57/79 BBT: 47/79	Nb participating in assessment at 36 weeks WB: 60/82 WL: 51/65		8 therapists, trained and supervised on at least 2 interviews <i>Comments</i> Gambling days and dollars lost gambling was not reported for the wait-list control at posttest
Hodgins 2007	Study design RCT Recruitment Advertisement in media + through a helpline followed by phone screening Population n=450 enquiries from CSOs ; n=186 were randomized (82 % F, mean age 45 years; 96% of partners PG) Inclusion criteria Age≥18 years	Interventions I1: self-help workbook (CRAFT) n=61 I2: I1 + telephone support Extent Two support calls, 4 weeks apart, 30- 40 min each n=65 Nb participating in outcome assessments 3 months: 146 (all groups, i.e. 78 %)	Comparison Information package of treatment resources n=60 Nb participating in outcome assessments Not reported separately	Nb days gambled last month at 3 months I1 and I2 significantly improved compared with control Dollars spent gambling All groups improved from baseline to 6 months; no significant differences between groups Nb partners entering treatment at 3 months 14–17 %, no difference between groups	RetentionAttention rateTelephone support: 55% received both callsand 22 % each oneand no callsWritten material:C: 75 % read itcompletelyI1+ I2: 66 % had readit and 22 % used itregularlyFidelityTherapistqualificationsCertified problemgambling counsellors,

<ul> <li>≥3 days weel contact with gambler</li> <li>Gambler resi enter treatme</li> <li>Follow up tin 3 and 6 mont</li> </ul>	dly 6 months: 145 (all groups); no difference between stant to groups nt <i>ne</i> hs	3 days weekly ontact with the ambler ambler resistant to ater treatment ollow up time and 6 months			undergraduate university degree, and experience at least 4 years. <i>Comment</i> Pre-treatment differences; I2 was gambling less
Korman 2008Study design RCTRecruitment Community of clinics and lon newspapersRecruitment Community of clinics and lon newspapersPopulation n=163 treatm seeking indiv phone screen randomized Mean age 47 (20–70 years met criteria f dependenceInclusion crit PGSI $\geq 8$ Anger score> percentile con to adult norm	InterventionA&A modifiedDBT combinedwith a skill set toaddress anger andaddiction problemsn=20 (10 % F)entidualsed; n=42.6 years.); halfor drug <i>Post treatment:</i> n=19 <i>S endote</i>	tudy design CT ecruitment ommunity outpatient inics and local ewspapers opulation =163 treatment beking individuals none screened; n=42 ndomized lean age 47,6 years 0-70 years); half et criteria for drug ependence cclusion criteria GSI $\geq 8$ nger score> 60 <sup>th</sup> ercentile compared adult norms	Comparison TAU, non- manualized CBT relapse prevention strategies n=22 (18 % F) Extent Individual sessions of variable duration and frequency, $\approx 1$ hour each Nb participating in assessment Post treatment; $n=20$ 3 months: $n=17$	PGSI score, at 3 months significant decrease vs TAU Nb not meeting diagnostic criteria for pathologic gambling at 3 months I: 20/20 C: 7/22 (32 %) p=0,001 Income spent gambling both groups improved, no significant difference between groups	Retention NRAttendance rate A&A: 9,8 sessions (70 %) TAU: 5,9 sessionsFidelity A&A: 90 % TAUTherapist qualifications Clinicians with $\approx$ 5 years' training and several years' experience in drug dependence or anger treatmentComments TAU therapists had

	No severe mental illness <i>Follow up time</i> post treatment, 3 months				treating gamblers (4,25 vs 0,25 years)
La Brie 2012 USA	Study design RCT Recruitment Advertisement and screening in two states Population n=411 concerned gamblers were screened; study sample: n=315 (42 % F); mean age app 45 years; app 70 % were PG Inclusion criteria Age >17 years Not currently in treatment or self-help Follow up time Posttest, 3 months	Intervention 1 Self-help WB based on inoculation theory, stage change and relapse prevention n=59 <i>Extent</i> Brief intervention, should be completed within 1 month <i>Intervention 2</i> WB + 5 min scripted telephone conversation n=55 <i>Nb participating in</i> <i>3 month</i> <i>assessment</i> 11:51 12: 44	Comparison WL, received the toolkit after 3 months FU <i>Extent</i> Participants n=56 Nb participating in assessment n=45	Abstaining from gambling last 30 days Improvement in all groups, no sign difference between groups Days gambled past month Improvement in all groups, no sign difference between groups	Retention NR Attendance rate NR Fidelity NA Therapist qualifications NA
Lee 2015	Study design	Intervention	Comparison	Gambling symptoms, G-SAS	Retention rate CCT: 89 %

Canada	Pilot RCT, mainly to	CCT to increase	self-care plans,	CCT significantly	Comparison: 78 %
	inform a full scale	attending,	counselling without	better than comparison	1
	RCT	awareness,	CCT, $n = 9$ couples	at posttest and follow	Attendance rate
		acknowledgement		up	12,6 sessions
	Recruitment	and alignment with	Nb participating in		,
	Advertisements and	self and the partner,	assessments		Fidelity
	screening	n=9 couples	n=7 (78 %)		NR
		-			
	Population	Extent			Therapist
	Couples where at least	12 sessions			qualifications
	one was a PG				4 counsellors, two B
	66 % male; mean age	Nb participating in			Sc and two M Sc,
	49 years; mean 18	assessments			mean 23 years clinical
	years married	n=8 (89 %)			experience + one of
					the authors, clinical
	Inclusion criteria				fellow; 16 years'
	Age ≥18 years				experience
	Gambled in the past 2				-
	months				
	DSM-IV-TR criteria				
	for PG				
	Follow up				
	Posttest and 8 weeks				
	later				
Luquiens	Study design	Intervention 1	Comparison	Total losses, total	Retention
2016	RCT	PNF via e-mail	Waiting list	stakes, number of	Not measured; 98 %
France		n=293	n=264	gambling sessions,	of guided CBT
	Recruitment			compulsivity	dropped out
	Automatic e-mail	Intervention 2		No difference between	
	when opening a	CBT self-help book	Nb participating in	groups	Attention rate
	gambling session	via e-mail	PGSI at 12 w		Not measured
		n=264	n=45 (17 %)	PGSI	
	Population				Fidelity

	Gamblers at an online poker website; $n=14\ 261; n=2\ 563$ fulfilled criteria and $n=1\ 122\ consented; ;>$ 90 % men; mean age 34,7 years <i>Inclusion criteria</i> Age $\geq$ 18 years Registered $\geq$ 30 days at the website PGSI $\geq$ 5 <i>Follow up time</i>	Intervention 3 Weekly e-mailed CBT with guidance n=301 Nb participating in PGSI at 12 w follow up PNF: n=41 (14 %) Self-help: n=19 (7 %) Guided CBT: n=8 (2 %)		Improvement, $\Delta \approx 1$ , for all groups	NA Therapist qualifications NA Comments Anonymous data on gambling frequency, stakes and losses were retrieved automatically from the website; i.e. 100 % coverage
	6 weeks and 12 weeks				
Makarchuk 2002 Canada	Study design RCT, stratified for gender Recruitment advertisement Population n=70 CSO:s responded n=31 eligible Inclusion criteria Age > 17 years (Gambler and CSO) No ongoing treatment for gambler and CSO	Intervention Self-help manual based on CRAFT + treatment resource package n=15 (95 % F); mean age: 49, 6 years Nb assessing gambling at FU 11/15	Comparison Treatment resource package n=16 (81 % F); mean age 40,6 years <i>Nb assessing</i> gambling at FUs 11/16	Proportion reducing gambling > 50 % (SCO rating) I: 47 % C: 19 %	Retention58% used thestrategies regularlyand 42 % occasionallyAttendance rateRead whole manual:77 %Read sections: 23 %FidelityNATherapistqualificationsNAComments

Gai resi CS reg twi <i>Fol</i> 3 m	ambler treatment sistant SO and gambler had gular contact > ice/week <i>blow up time</i> nonths				
Myrseth 2011Stu RCNorwayRec Ad referPop Pat n=2 elig n=3 $\%_1$ n=4 elig n=3 $\%_1$ Markowski mea (SEInc $\ge 18$ Ful dia SC NO No or of	<i>udy design</i> CT <i>cruitment method</i> dvertisements and Ferrals <i>pulation</i> thological gamblers 49 individuals gible 30 randomised (87 male) ean age: 32,8 years D 9,9 years) <i>clusion criteria</i> 8 years Ifilled DSM-IV TR agnosis measured by CID-I and II and DDS o concurrent alcohol drug dependency	Intervention Individual CBT for 8 weeks n=19; n=4 never started and were excluded <i>Extent</i> 8 weekly sessions, 50 min each and with separate patient and therapist manuals <i>Nb participating in</i> <i>outcome</i> <i>assessments</i> n=11/15 (8 weeks) n=7/15 (3 months)	<i>Comparison</i> ESC for 8 weeks followed by ESC + individual CBT for 8 weeks n=16; n=1 never started and was excluded <i>Extent</i> Dose titration for 2 weeks up to 20 mg/day for 14 weeks. 10 min meeting with therapist to report any adverse effects <i>Nb participating in</i> <i>outcome assessments</i> n=13/15 (8 weeks) n=10/15 (3 months)	<i>CBT vs ESC (8 weeks)</i> Both groups improved significantly without differences between groups for G-SAS, net loss money gambled. BDI-II was not affected <i>Recovery, 3 months</i> CBT: 26 % ESC + CBT: 40 % ns <i>No improvement, 3</i> <i>months</i> CBT: 46,7 % CBT + ESC: 26,7 % ns	Retention CBT: n=11 (8 weeks) ESC: n=13 (8 weeks) Attendance rate CBT: mean 6,8 sessions (15 patients) ESC + CBT: mean 6,9 sessions (10 patients) ESC (compliance): 73 % Adverse effects ESC n=1 withdrew due to mania Fidelity Not reported Therapist qualifications 1 therapist with degree in clinical psychology and trained in CBT

	E 11				11: -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
	Follow up time				a clinical psychologist
	up to 6 months after				with extensive
	randomisation				experience with CBT
					Comments
					Recovery defined as
					$G-SAS \le 7$
Petry	Study design	Intervention 1	Comparison	Posttest	Retention
2006	RCT, stratified for	Referral to GA and	Referral to GA	Days gambled, dollars	WB: 71 %
USA	gender, lifetime	workbook based on	n=63 (52 %	gambled, SOGS: All	CBT: 93 %
	SOGS, age, ethnicity	CBT	females); mean age	groups improved by	
	and prior treatments:	n=84 (43 %	44 years	time. Significant	Attendance rate
	allocated 3:4:4	females): mean age		differences between	Workbook: 37 %
		44 years	Nb participating in	CBT (WB and therapy)	finished at least 6
	Recruitment	<b>J</b> = == =	outcome assessments	and GA only.	chapters
	Newspaper	Extent	n=48 (posttest)	Change in ASI-G	CBT: 60.7 %
	advertisements	One chapter a week	n=45 (6 months)	between groups not	participated in at least
		for 8 weeks	n– 15 (6 monuis)	significant	6 sessions
	Population	IOI O WEEKS		Significant	p < 0.001
	n=357 fulfilled	Nh participating in		12 month follow up	p<0,001
	telephone screen for			Time affacts still	Fidality
		ouicome		significant CPT (WP	Independent
		assessments		significant. CBT (WB	independent
	n=231 were	n=05 (positiest)		and therapy)	evaluation of
	randomised	n=45 (6 months)		significantly better than	audiotapes; rated
				GA only for ASI-G and	good (4,3/7)
	Inclusion criteria	Intervention 2		SOGS.	
	Age $\geq 18$ years	Referral to GA and			Therapist
	DSM-IV diagnosis	individual CBT		<i>Proportion SOGS &lt;5</i>	qualifications
	(SCID)	n=84 (42 %		past month, posttest	13 master or doctoral
	SOGS ≥5	females); mean age		CBT (WB and	level therapists
	Gambled during past 2	46 years		therapy): 69 %	receiving training and
	months			GA: 47 %	supervision of at least
		Extent		p<0,02	one case
	Follow up time				

	Up to 12 months past baseline	1 hour/week for 8 weeks + homework <i>Nb participating in</i> <i>outcome</i> <i>assessments</i> n=68 (posttest) n=76 (6 months)		<i>proportion abstinent at</i> <i>12 month follow up</i> no difference between groups; all reported some gambling	Comments
Petry 2008 USA	Study design RCTRCTRecruitment screening at abuse clinics and advertisementsPopulation Problem and pathological gamblers.n=2 136 persons screened; n = 180 randomisedInclusion criteria Age $\geq 18$ years SOGS $\geq 3$ Wagering: $\geq 100$ \$ Gambled $\geq 4$ times in two preceding monthsFollow up time 6 weeks and 9 months	Intervention 1 Brief Advice n=37 (51 % females); mean age 43,5 years Extent 10 minutes Nb participating in outcome assessments n=35 (6 weeks) n=31 (9 months) Intervention 2 MET n=55 (36 % females); mean age 45 years Extent 1 session, 50 min	Comparison Assessment only Participants n=48 (31 % females); mean age: 41 years Nb participating in outcome assessments n=47 (6 weeks) n=42 (9 months)	ASI-G and dollars wagered improved significantly with time in all groups. <i>Recovery at six weeks</i> Comparison: 4,7 % BI: 20 % MET: 11,5 % CBT+ MET: 2,6% BI vs comparison significant <i>Recovery at 9 months</i> Comparison: 14,3 % BI: 25,8 % MET: 14,6 % CBT + MET: 20,6 % BI vs comparison significant	RetentionBI: 100 %MET: 94,5 %MET + CBT: 87,5 %Attendance rateMET + CBT: 32,5 %attended all foursessionsFidelityIndependent rating;highTherapistqualificationsNine therapists, 2bachelors and 7master. They receivedcontinuoussupervisionComments

					,
		Nb participating in			
		outcome			
		assessments			
		n=52 (6 weeks)			
		n=48 (9 months)			
		Intervention 3			
		MET + CBT			
		n=40			
		_			
		Extent			
		MET 50 min $+$			
		three sessions CBT			
		Nh narticinating in			
		assessments			
		n=38 (6 weeks)			
		n=34 (9 months)			
Petry	Study design	Intervention 1	Comparison	ASI-G, 9 months	Retention
2009	RCT	Brief advice, 10–15	Assessment only	All conditions	Brief advice: 100 %
USA		min		improved significantly	MET: 100 %
	Recruitment	n=32 (78 % male);	Participants	over time compared to	CBT+MET: 95 %
	Screening at six	mean age 20,2	n=34 (85 % male);	assessment only	
	college campus public	years	mean age 20,5 years		Attendance rate
	areas and flyers			Days gambled	CBT+ MET: 33,3 %
		Nb participating in	Nb participating in	Significant	attended all four
	Population	outcome	outcome assessments	improvement over time	sessions
	n=1 539 screened	assessments	n=34 (6 weeks)	for all groups, no	
	n=117 randomised	n=32 (6 weeks)	n=33 (9 months)	difference between	Fidelity
		n=32 (9 months)		groups	Independent
	Inclusion criteria				evaluation of
	Age $\geq 18$ years	Intervention 2		Dollars wagered	audiotapes; high

	SOGS $\geq 3$ Wagering: $\geq 100 \$$ Gambled $\geq 4$ times in two preceding months <i>Follow up time</i> 6 weeks and 9 months	MET, 1 session, 50 min n=30 (87 % male); mean age 20,5 years <i>Nb participating in</i> <i>outcome</i> <i>assessments</i> n=30 (6 weeks) n=29 (9 months) <i>Intervention 3</i> MET + 3 weekly individual sessions CBT n=21 (91 % male); mean age 20,1 years <i>Nb participating in</i> <i>outcome</i> <i>assessments</i>		Significant improvement over time for all groups; MET significantly better than assessment only <i>Substantially improved</i> ( <i>wagering</i> <10,5 % of <i>income</i> ) Comparison: 36,4 % Brief advice: 47 % MET: 62,1 % CBT + MET: 53 %	Therapist qualifications Six therapists (one bachelors level, two masters level, two clinical psychology doctoral students and one PhD psychologist) Comments
		outcome assessments n=18 (6 weeks) n=19 (9 months)			
Rychtarik	Study design	Intervention	Comparison	Partner non-gambling	Retention
2006	Pilot RCT	Coping skills	WL	days and loss per	M
USA	Recruitment	training, $CSI$ n=12	n=11	gambling day (partner estimates)	Mean attendance rate 8 25/10 sessions
	Media advertisements	11-12	Nb participating in	Small and non-	0,20/10 000010110
		Extent	outcome assessment	significant differences	Fidelity
	Population	10 weekly	NR separately		All sessions
	_	individual sessions			videotaped and

	n=23 CSO responded:	+ homework			checked with
	21 eligible (83 % F):	assignments			compliance form:
	mean age 43 years	assignments			compliance was 88 %
	incan age 15 years	Nh participating in			compliance was so /v
	Inclusion criteria	outcome			Therapist
	Portnor compling lost	assassment			qualifications
	2 months	01 0/ non-ontod			qualifications
	5  monules	91 % reported			5 master level
	$SOGS \ge 5$ (partner)	percent non			counsellors trained in
	No treatment (gambler	gambling days and			the manual
	and CSO) preceding 3	78 % loss per			~
	months	gambling day (total			Comment
	SOGS <5 (CSO)	sample)			
	AUDIT < 9 (CSO)				
	and no SUD				
	Follow up time				
	Posttest (10 weeks)				
Smith	Study design	Intervention	Comparison	Both groups improved	Retention
2015	RCT stratified for age,	СТ	ET	by time without any	CT:29/50
Australia	gender, gambling			significant differences	ET: 21/49
	severity	Extent	Extent	(VGS, K-10, overall	
	-	Average 12 weekly	Average 12 weekly	disability, time spent	Attendance rate
	Recruitment	individual sessions.	individual sessions.	gambling and amount	
	Consecutively, at a	60 min each +	$60 \min \text{each} + \text{home}$	spent in previous	Fidelity
	gambling therapy	home work	work	month)	All sessions
	center				videotaped and 20 %
		Randomized	Randomized		assessed: mean
	Population	n=50: $n=43$ first	n=49: $n=43$ first		fidelity $> 98\%$
	n-151 help seeking	appointment (50 %	appointment $(50\%)$		
	problem gamblers	F) mean age $47.4$	F) mean age $45.5$		Theranist
	n-99 eligible and	vears	Vears		aualifications
	consenting: 05 % DC	years	yours		A experienced CRT
	consenting, <i>75</i> /0 TO		Nh participating in		therapists trained in
	Inclusion anitania				the methods and
	inclusion criteria	1	outcome assessments		me memous and

	Age $\geq 18$ years SOGS $\geq 5$ Gambling with EGMs No gambling treatment preceding year Not psychotic, suicidal or manic <i>Follow up time</i> Post treatment, 1, 3, 6 months later	Nb participating in outcome assessments Posttest: 31 6 months: 22	Posttest: 25 6 months: 18		supervised by the authors <i>Comments</i> Participants were remunerated
Toneatto	Study design	Interventions	Comparison BI	Gambling frequency	Retention
2016		n-25	וט	effect up to 12 months	the treatment: 45 (46
Canada	Recruitment	I-25 I2 BT	Extent	but no difference	%) attended 6 lessons
Cunudu	Advertisement in local	n=24	One session 90 min	between groups: mean	70 / attended 0 10550115
	newspapers and	·	where assessment	from 4 days to 2 days	Attendance rate
	initially screened over	I3. Motivational	findings were	out of 10.	(mean)
	the phone	therapy	shared, practical		I1: 4,96 sessions
		n=22	advice and a	Expenditures per	I2: 3,71 sessions
	Population		summarizing booklet	gambling	I3: 4,23 sessions
	n=239 Problematic	Extent	n=28	Significant TIME	ns
	gamblers screened,	6 individual		effect up to 12 months	
	n=99 were	sessions, one hour	Nb participating in	but no difference	Fidelity
	randomized (73 $\%$ M),	each, over 8–10	outcome assessments	between groups; 50%	Not measured
	mean age 47,5 years	weeks	27 and 25	reduction in	formally
		Nh participating in		expenditure positest	Therapist
	Inclusion criteria	το ματικτρατίης In outcome		Gamhling severity (nh	aualifications
	> 1 symptom from	assessments		symptoms DSM-IV)	Two masters and two
	DSM-IV criteria for	posttest and 12		Significant TIME	PhD-level therapists
	PaG the last year	months		effect up to 12 months	with 3-15 years'
		I1: 22 and 18		I	,

	Not on treatment for	I2: 24 and 17		but no difference	experience in CBT for
	gambling	I3: 19 and 15		between groups	addictive behavior
	No severe psychiatric				
	or psychosocial crisis				Comments
	Follow up time				
	Posttest and 12				
	months				
Toneatto	Study design	Intervention	Comparison	Gambling urges,	Retention
2014	Pilot RCT	M-CBT	Wait-list	psychiatric symptoms	100 %
Canada		(mindfulness-	n=9 (67 % M); mean	at posttest	Attendance rate
	Recruitment	enhanced CBT)	age 46,5 years; 100	Significant reductions	NR
	Advertisement in local	n=9 (44 % M);	% PG at baseline	in the M-CBT group	
	newspapers	mean age 41,6		compared with the	Fidelity
		years; 89 % PG at	Nb participating in	WL-group	NR
	Population	baseline	posttest		
	n=18 pathological		n=9 (100%)		Therapist
	gamblers	Extent			qualifications
		5 sessions, 45 min			NR (the lead scientist)
	Inclusion criteria	each:			
	Current diagnosis of	CBT + 15 min CD-			Comments
	PG	guided mindfulness			Gender and proportion
	Substance abuses and	instructions +			PG different between
	concurrent treatment	practice session 30			groups at baseline
	was excluded	min;			
		Homework:			
	Follow up time,	mindfulness 30 min			
	2 weeks posttreatment	daily			
		Nb participating in			
		posttest assessment			
		n=9 (100 %)			

Wulfert	Study design	Intervention	Comparison	SOGS (completer	Retention
2006	Pilot, one	M-CBT,	TAU (12-step,	analysis)	100 % for M-CBT: 67
USA	experimental group	motivational	insight-based or	Significant reduction in	% for TAU (p=0,005)
	and a concurrent	enhancement CBT	eclectic orientation)	both groups; larger	
	"historical control"		,	reduction in M-CBT	Attention rate
		Extent	Number	group (p<0,05)	
	Recruitment	Motivational	participating in		Fidelity
	Referral to treatment	enhancement 2-3	posttest assessment	DSM-IV symptoms	Audiotaped sessions
		sessions, CBT and	8 (67 %)	(completer analysis)	independently
	Population	two sessions		Significant reduction in	evaluated; 100 %
	Experimental: n=13	relapse prevention		both groups; larger	fidelity
	referred and n=9 (all	during 4 weeks		reduction in M-CBT	
	M); mean age 43,8			group (p<0,05)	Therapists
	years consenting	Nb participating in			qualifications
		posttest assessment		Results in the M-CBT	I. Two licensed
	Control: n=12 (all M),	n=9		group was maintained	clinical psychologists
	mean age 44,3 years			up to one year posttest	with $> 10$ years'
	consented; referred at				experience
	days without				C: master's level
	recruitment service				therapists with $> 7$
	and not included in				years' experience
	the study				
	<b>T</b> 1 · · · , ·				
	Inclusion criteria				Comments
	$\geq 1/10$ symptoms in				
	DSM-IV criteria for				
	5005 <u>2</u> 9				
	Follow up time				
	Posttest (up to 12				
	months for the M-				
	CBT only)				

Author	Study design	Intervention	Comparison	Results	Withdrawals due to
Country	Recruitment	Dose	Dose		side effects
	Population Inclusion criteria Follow up time	Drop-out rate	Drop-out rate		Side effects
					Comments
Berlin	Recruitment	Intervention	Comparison	PG-YBOCS	Completers
	Advertisements in	Topiramate	Placebo	No difference between	Topiramate:14
2013	community and in	n = 20 (40 % F);	n = 22 (65 % F)	groups	Placebo: 13
	casinos	mean age 50, 5	mean age 45 years		
USA	Population $N = 60$ assessed; $n =$ 42 randomizedInclusion criteriaPG according toDSM-IV TRSOGS $\geq 5$ CGI-S $\geq 4$ No other Axis 1 orpersonality disordersMADRS <24	years Dose Titration up to max 300 mg/d during 6 weeks, continued for 8 weeks Mean dose 222,5 mg/d Lost to follow-up n = 1 (5 %)	Dose As for topiramate Mean dose 252,3 mg/d Lost to follow- up n = 5 (23 %)		Withdrawals due to side effects Topiramate: n = 2 Placebo: n = 1 Side effects Comments A sample size of 120 subjects was required
Dannon	Recruitment	Intervention	Comparison	Abstain from gambling	Side effects
	Referred from	Baclofen	Acamprosate	at follow up	Mild, no patients
2011	ambulatory services	n = 9	n=8	no patients stopped gambling	stopped treatment because of side effects

## Table 1b. Pharmaceutical treatment of pathological gambling (all studies are RCT)

Israel	throughout the country <i>Population</i> Mean age 29,6 years (SD 16,5)	Dose Escalation from 10 mg/day up to 30 mg/day for 8 days, average dose 30 mg (SD 7,5); some	Dose Escalation from 333 mg/day to 999 mg/day during 11 days: average dose 666 mg(SD 174)		
	Average SOGS: 7,4 + 2,8	50 mg/day	Drop-out rate		
			none		
	Inclusion criteria	Drop- out rate			
	PG according to	none			
	DSM-IV-TR				
	SOGS >5				
	No axis 1 comorbidity				
	No alcohol and				
	substance abuse				
	no psychiatric modiantiona last				
	medications last				
	monui				
	Follow up time				
	6 months				
Dannon	Recruitment	Intervention	Comparison	Proportion full	Withdrawal due to
	Patients at the clinic	Bupropion SR	Naltrexone	responders at 12 w	side effects
2005		n = 17	n = 19	Bupropion SR: 9/12	Bupropion SR: 4
	Population			(75 %); remaining	Naltrexone:6
Israel	Mean age 29,1 (SD	Dose	Dose	were PR	
	17,3) years	150 mg/d for 1 w;	25 mg/d for 4 d;	Naltrexone: 10/13 (76	
	All men	increase to 300	increased to 100	%); remaining were PR	
	Inclusion criteria	mg/d, divided in 2	mg/d in two divided		
	PG according to	doses; after 3 w	doses. After 3 w		
	DSM-IV	14/17 PR increased	6/19 PR were		
	$SOGS \ge 5$	to 450 g/d; 3/17			

	Age 18-65 years No axis 1 or axis 2 comorbidities <i>Follow up time</i> 12 weeks	remained on 300 mg/d Drop-out rate 29 %	increased to a total daily dose of 150 g/d <i>Drop-out rate</i> 32 %		
Fong	<i>Recruitment</i> Treatment seeking	<i>Intervention</i> Olanzapine	<i>Comparison</i> Placebo	Gambling related cravings, gambling	Side effects
2008	after advertisement	n = 12; mean age 43,6 years; 50 % F;	N = 9; mean age 46,6 years; 4/9 F	frequency, money and time spent gambling,	No serious medical och psychiatric
USA	Populationn = 59 treatmentseeking individualswith PGInclusion criteriaAge 18 to 65 yearsPG according tostructured clinicalinterviewVideo poker gamblersNo axis 1 disorderNo currentprescription ofpsychotropic drugsFollow up timePosttest	SOGS mean 13,6 <i>Dose</i> 2,5 mg week 1, 5 mg week 2, 7,5 mg week 3 and 10 mg weeks 4-7 <i>Drop-out rate</i> Total drop-out 2/23	SOGS mean 15,3 Drop-out rate See intervention	mood and anxiety disorders Improvement in both groups with time but no difference between groups <i>CGI</i> No changes with time; no difference between groups	adverse event for completers. Two patients included but dropped out due to sedation and fatigue; unclear group <i>Comments</i> Patients were given a completion bonus, equal to the sum of initial and weekly payments
Grant	<i>Recruitment</i> Newspaper	Interventions Nalmefene 20	Comparison Placebo	<i>PG-YBOCS, ITT</i> All groups improved	Withdrawal due to adverse events
2010	advertisements; 25 outpatient centres	mg/d: n = 77	n = 74	without difference between groups	Nalmefene 20 mg/d: 10,6 %

USA		Nalmefene 40	Drop-out rate		Nalmefene 40 mg/d:
	Population	mg/d: n = 82;	46/74	PG-YBOCS, patients	11,5 %
	n = 233 were			that received full dose	Placebo: 9,4 %
	randomized; mean afe	Dose		at least for one week	
	46,5 years; 41,6 % F	5 mg/d week 1, 20		nalmefene 40 mg/d	Side effects
		mg/d week 2;		was superior to placebo	
	Inclusion criteria	thereafter patients			
	Age 18-70 years	were randomized to			
	$PG-YBOCS \ge 21;$	20 mg/d or 40 mg/d			
	those with PG-				
	$YBOCS \ge 15$ after	Drop-out rate			
	one week placebo	20 mg/d: 44/77			
	lead-in were	40 mg/d: 36/82			
	randomized	(not used in			
	At least one item of	analysis of			
	$SDS \ge 5$	efficacy)			
	Gambling within the				
	prior month				
	No current Axis 1				
	disorder				
	No current treatment				
	for PG				
	Follow up time				
	posttest				
Grant	Recruitment	Intervention	Comparison	PG-Y-BOCS, G-SAS,	Withdrawal due to
	Newspaper	Naltrexone, 50, 100	Placebo after one	CGI-S, HAM-D, HAM-	adverse events
2008	advertisements for	or 150 mg/d after	week placebo lead in	A, SDS	n = 5 in total (no
	treatment	one week placebo	n = 19 (52 % F);	No dose response; the	difference between
USA		lead-in	mean age 44.7 years;	naltrexone groups were	groups)
	Population	n = 58 (64 % F);	84 % higher	combined	
	n = 112 consented; n	mean age 47,8	education	Naltrexone was	
	= 83 entered placebo	years; 93 % higher		superior to placebo	Side effects
	lead-in;	education	Drop-out rate		

			n = 6 (32 %)	Abstain from gambling	No differences
	Inclusion criteria	Dose		at least one month	between naltrexone
	Age 18-75 years	25  mg/d for two		Naltrexone: 39.7 %	and placebo
	PG according to SCI-	days: $50 \text{ mg/d} \text{ up to}$		Placebo: 10 5 %	und placeoo
	PG	3 weeks		1 10000. 10,5 %	
	G-SAS>2	randomization to			
	SOGS >5	50, 100 or 150			
	Gambling last two	$m_{\rm f}/d$ up to 18			
	weeks	mg/u up to 10			
	No lifetime BD I or II	WUCKS			
	domentie psychotic	Drop out rate			
	disorders	p = 22 (38%)			
	No current substance	II = 22 (30 70)			
	abuse				
	UAM D and UAM A				
	<20 Follow up time				
	rollow up lime				
Hallondan		<b>I</b>	Communication		Televelilite
Hollander	Kecruitment	Intervention	Comparison	PG-IBOCS total score	<i>Lithing CON</i>
2005	Newspaper	Sustained release	Placebo, mean dose	Litinum > placebo	L1 u u u u u u u u u u u u u u u u
2005	advertisement	litnium, mean dose	1165 mg litnium		Placebo: // %
		1150 mg	equivalents	CGI-PG improvement	
USA	Population	n = 18 randomized;	n = 22	Lithium >placebo	
	n = 88 subjects	n = 6 withdrawn	mean age $47, 7, 33\%$		Side effects
	screened	mean age 40 years,	F	Time and money lost	No subjects dropped
		50 % F	_	on gambling	out due to adverse
	Inclusion criteria		Drop-out rate	No differences between	events. No difference
	Age 18-65 years	Dose	n = 17 (77 %)	groups	in side effects between
	PG according to	300 mg/d po 4			groups
	DSM-IV	days, 2 x 300 mg/d		HAM-D, HAM-A	
	BP II or BP NOD	po 4 days, 1 x 300		No differences between	
	BP I excluded	+ 1 x 600 mg for 6		groups	
	No previous treatment	days, thereafter			
	with lithium	individualized			

	No schizophrenia, psychosis or substance abuse <i>Follow up time</i> Posttest 10 weeks	dose. Non-tolerant patients were withdrawn <i>Drop-out rate</i> n = 12 (67 %)			
Kim	Recruitment	Intervention	Comparison	Clinical status (G-SAS)	
2002	Newspaper	Paroxetine	Placebo	Paroxetine > placebo	Withdrawals due to
2002	advertisement and	n = 23 (56 % F);	n = 22 (77 % F);	Salf nated improvement	side effects
USA	referrais for treatment	illeall age 49 years	mean age 49 years	(PG-CGI)	paroxetine and
	Population	Dose	Drop-out rate	Paroxetine > placebo	placebo
	n = 133 were	Starting dose 20	9 %		
	screened; $n = 86$	mg/day could be		Proportion stopped	Comments
	appointed for	increased to max		gambling	The ITT-analysis was
	interview; $n = 55$ met	00 mg/day; Mean daily dose		Paroxeune: 48 % Placebo: 4.5 %	completed at least one
	completed 1 week	51.7 mg/d (S 13.1		1 Idee00. 4,5 %	post baseline measure
	placebo lead in phase.	mg)		Money lost gambling	F
	n = 45 were			Paroxetine: 20 %	
	randomized	Drop-out rate		Placebo: 12 %	
	<b>.</b>	13 %		ns	
	Inclusion criteria				
	PG according to				
	SOGS>5				
	No other axis 1				
	disorder				
	HAM-D, HAM-A ≤18				
	Follow up time				
	Posttest after 8 weeks				

Kim	<i>Recruitment</i> Newspaper	<i>Intervention</i> Naltrexone	<i>Comparison</i> Placebo	Improvement (PG- CGI)	<i>Not analyzed</i> $n = 6$ (lost to follow
2001	advertisement	n = 20 (65 % F) mean age: 48 years	n = 25 (60 % F) mean age: 49 years	Naltrexone: Very much and	up at early stage) n = 2 (noncompliance
USA	Population $N = 89$ were screenedand $n = 83$ wererandomized. After 1week placebo lead in, $n = 27$ were excludedInclusion criteriaAge: 18-75 yearsPG according toDSM-IVNo other current Axis1 or personalitydisorderSOGS $\geq 5$ HDRS $\leq 16$	Dose Titration up to max 250  mg/d Mean dose 187,5 mg/d Drop-out rate n = 6 (30 %)	Dose As for naltrexone Mean dose 243 mg/d Drop-out rate n = 3 (12 %)	improved 75 % Placebo: Very much and much improved 24 %	to the protocol) n = 1 (pregnant) n = 2 (side effects of naltrexone) Side effects Nausea, dry mouth and vivid dreams were more common in the naltrexone group
	<i>Follow up time</i> Posttest				
Kovanen	<i>Recruitment</i> Advertisements in	<i>Intervention</i> Naltrexone, 20	Comparison Placebo, 20 weeks +	Severity of gambling (PG-YBOCS),	Withdrawal due to side effects
2016	newspapers and gambling related	weeks, + psychosocial	psychosocial support $n = 51$	gambling frequency, highest daily	Naltrexone: $n = 2$
Finland	websites <i>Population</i> N = 236 were screened; $n = 101$ eligible, 32 % F, mean	support n = 50 <i>Dose</i> 50 mg as needed, i.e. when planning	Drop-out rate 27 %	<i>expenditure</i> Both groups improved with time but no differences between groups	Side effects 62 % for naltrexone and 80 % for placebo reported no adverse events

	age 46 years (20-72 years); 52 % smokers; 46 % hazardous alcohol consumption <i>Inclusion criteria</i> PG according to DSM-IV SOGS $\geq$ 5 No severe depression or bipolar disorder <i>Follow up time</i> Posttest, 20 weeks	to gamble or experiencing an urge to gamble <i>Drop-out rate</i> 36 %		Social functioning (RAND 36) Neither of the groups improved	
Pallanti	Recruitment	Intervention	Comparison	Mean percentage	Withdrawal due to
	Media advertisements	Lithium	Valproate	improvement on PG-	side effects
2002		n = 23	n = 19	YBOCS total score	Lithium: n =2
T. 1	Population	5	<b>D</b>	Lithium: 30,1 %	Valproate: $n = 1$
Italy	73 subjects were	Dose (16 A	Dose (16 1 1	Valproate: 35,9 %	
	assessed and 42 were	600  mg/d for 4	600 mg/d for days 1-	ns	
	included (25 % F); mean age $31.6$ years	days, 900 mg/d for $days$ 5 to 0	5, ilitation to $1500$	Proportion responders	
	inean age 51,0 years	titration to 1200	tolerability: mean	at 14 w	
	Inclusion criteria	mg/d according to	dose 874 mg/d	Lithium: 60.9 %	
	PG according to	tolerability; mean	-0,	Valproate: 68,4%	
	DSM-IV	dose 795 mg/d	Drop- out rate	ns	
	No drug abuse, BP,	_	15,8 % (n = 3)		
	schizophrenia or	Drop- out rate			
	schizoaffective	34,8 % (n = 8)			
	disorder				
	Follow un time				
	Posttest				

Thomas	Study design	Intervention	Comparison	Severity of gambling	Drop out due to side
	RCT with cross over	Amantadine	Placebo	problems (Y-BOCS)	effects
2010				Amantadine: reduction	Amantadine: 5
	Recruitment	Dose	Dose	by 80 %	patients
Italy	Sample drawn from a	50 mg twice daily	As for amantadine	Placebo: no reduction	
	cohort of 1 096	for 2 days, 100 mg			Side effects
	patients at one clinic	for 2 weeks,	Drop-out rate	p<0,001	
	for movement	5			
	disorders	Drop-out rate		gambling time,	
				gambling expenditures	
	Population $n = 17$ with DD and			amantadine superior to	
	II = I / WIUI PD allosevere PC (12 mole)			placebo	
	mean age 61 years				
	mean SOGS 15.1				
	Inclusion criteria				
	PG identified the last				
	10 months				
	PG not improved by				
	DA reduction or				
	behavior strategies				
	No bipolar disorder				
	No antipsychotic or				
	anticholinergic drugs				
	Follow up time				
	Posttest (cross over				
	part)				
Toneatto	Recruitment	Intervention	Comparison	Gambling frequency,	
	Newspaper	Naltrexone 11	Placebo (Lactose	expenditures	
2009	advertisements	weeks + 7 sessions	filled) + 7 sessions	Both groups improved	Withdrawal due to
		CBT	CBT	between baseline and	side effects

Canada	Population	n = 27	n = 25	posttest: results were	Naltrexone: $n = 1$
	401 subjects			maintained for at least	
	responded: 326 were	Dose	Dosa	6 months No	Side affects
	responded, 320 were	Dose			
	screened and 135	25 mg/d for 3 days;	As naltrexone	differences between	80 % of placebo and
	eligible; $n = 52$ were	50 mg/d for 11	Mean medication	groups	63 % of naltrexone
	randomized (7 % F);	days; could be	dose 97,5 mg/d		subjects reported no
	mean age 40 years	increased up to 250		Abstinence from	adverse events
		mg/d depending on	Drop-out	gambling	
	Inclusion criteria	patient self-report	Posttest: 0	Differences between	Comments
	PG and concomitant	on lack of effect on	6 months: 28 %	groups at 3 months but	Participants were
	alcohol use disorder	alcohol		not before and after	compensated \$ 400 in
	(DSM-IV)	consumption			gift certificates for
		Mean dose: 100 mg			completing the
	Follow up time				medication phase of
	Posttest, 3, 6 and 12	Drop-out			the study
	months past baseline	Posttest: 4 %			-
	1	6 months: 37 %			n = 1 was randomised
					but excluded due to
					placebo reconces (1 w
					placebo response (1 w
					lead in)