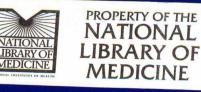
Supplement to: May 2002 Vol 26 · no 5 Alcoholism, clinical and experimental res V. 26, no. 5, suppl. (May 2002) DUP - General Collection W1 AL309R 2002-05-21 08:31:00 ACCONTRACTOR OF CONTRACTOR OF C

2002 Scientific Meeting of the Research Society on Alcoholism and the 11th Congress of the International Society for Biomedical Research on Alcoholism June 28 - July 3, 2002 — San Francisco, California

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The Official Journal of the Research Society on Alcoholism and the International Society for Biomedical Research on Alcoholism

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/ 4 / SEROTONERGIC AGENTS AND ALCOHOLISM TREATMENT TESTING THE JOHNSON MODEL BY COMPUTER SIMULATION 5 F Stotlenberg University of Michigan Addiction Research Center, Ann Arbor, MI 48108

Unversity of Michigan Addiction Research Center, Ann Arbor, MI 48108 Those with early onset alcoholism may respond better to treatment with nodansetron (a 5-HT3 receptor anagonist) than with selective servicinin respond better to SSRIs. Accordise m subrying may be useful in making the dysfunctional system may be more so Johnson (ACER 24 1597-1601) proposed a model of serotom (5-HT) function that focuses on a common genetic variant in the 5-HT transporter regulatory region (5-HTLPR). The present study formalizes and extends Johnson's descriptive model into a computer-based simulation that uses finite difference equations. Values for variables used in the model were based on empirical findings in the human and animal literature Data were generated for each conduct by 100 simulation runs. Results of the model are consistent with expectations that the LL genotype would have lower mean levels of synaptic 5-HT than the S_J enotype respectively. SRI treatment raised means 5-HT levels by 111% and 54% for LL's and 5.8. respectively. SRI treatment dates with help denotype by 25% and for the S_J respectively. SRI treatment dates and excineds JSRI treatment may not be effective for individuals with the LL genotype because binge divining enhances 5-HT function to a greater Gene SRI treatment may not be effective to individuals with the LL genotype because binge divining enhances 5-HT function to a greater Gene SRI treatment may not be effective to individuals with the LL genotype because binge divining enhances 5-HT individuals with the LL genotype because binge divining enhances 5-HT levels by 33% in S_3. Ondenseton treatment dividuals with the LL genotype because binge divining enhances 5-HT levels at reducing alcoholis reveraing effects in those with the LL genotype because binge divining enhances 5-HT and by 33% in S_3. Ondenseton to the defective to individuals with the LL genotype because binge divining enhances 5-HT and by 33% in S_3. Ondenseton to the notion that genotypes may become

PREDICTORS OF RESPONSE TO NALTREXONE IN THE TREATMENT OF ALCOHOL DEPENDENCE IN MEN G Ponce, G Rubio, J.M Oliva, Sergio Ortiz, M A Jimenez-Arriero, J Manzanares, T. Palomo Servicio de Psiquatina, Hospital 12 de Octubre, Avda. Cordoba s/n, 28041 Madrid, Spain

Servicio de reliquiatina, riuspiral 12 de octubre, Avai, conduct shi, 2004 Madrid, Spain Natrexone has shown to be effective in the treatment of alcohol dependence. However, its effectiveness varies from patient to patient Considering the hieterogeneity of alcohol dependence, it was of interest to investigate and othermine which variables are reliated with a good of this study was to determine which variables are reliated with a good national alcoholi patients treated with natirexone. We studied the outcome of 336 patients seen at the outpatient Unit of Problems Related to Alcohol in a ramdomized way, 168 patients received natirexone as coadjuvant and usual treament (bsychotherapy, referral to patients did not receive natirexone. We studied the influence of natirexone on the outcome of patients presenting variables which are potential predictors of prognosis. Globally, the group treated with natirexone showed the last outcome (p=0.03). The use of natirexone produced a clear improvement in patients with early onset of problems related with alcohol (p=0.028), those with positive family history (p=0.017) and those presenting history of abuse of other drugs not presenting these variables. In conclusion, the treatment with natirexone may result more effective among alcohol dependent patients showing specific characteristics that suggest a greater unlineatility to alcohol addiction (amily history, early onset of problems related to alcohol and other drug abuse combridity). Supported by Grant from FIS (01/1438 to J. Manzanares).

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(49) GAMMA-HYDROXYBUTYRIC ACID VS NALTREXONE IN MAINTAINING ALCOHOL ABSTINENCE AN OPEN RANDOMIZED COMPARATIVE PILOT-STUDY C CAPUG G Addiolorato, F Lorenzini, M Domenicali, A Del Re, G Gasbarrin, M Bernardi & G F. Strefamm G Fontana" Cente for the Study and Multidiscipinary Treatment of Alcohol Addiction, Department of Internal Medicane, Cardoangology and Hepatology, Via Massarenti 9, 40138, University of Bologna, Italy

G toxi Ardincion, Bepartment of Internal Medkine, Caddoargology and Hepatology. Via Massareuti 8, 40138, Unvestivy of Bologna, Ialay and Hepatology. Via Massareuti 8, 40138, Unvestivy of Bologna, Ialay After the remission of withdrawal syndrome, mantaining abstinence from atochel is the main goal in alcohol dependence treatment. May pharmacological agents, have been recently table to mantan atochol abstinence in about 20.003, and the state of the state of the matter of the state of the state of the state of the state of the abstinence in about 20.003, and no studies comparing the effect of NTX and CHB maniam of our open randomized pilot-study was to respectively. At present, then a tastinence from alcohol after a short-term treatment petitificacy of CHB compared with NTX in maintaining adstance of the state of the state of the state of the state of the residuel of the access of S0 mg/kg of CHB fractionation in the cadar durate of the access of S0 mg/kg of CHB fractionation in the cadar vectored at animistand on the study astiscically significant definence of the study at statiscically significant definence of the study at statiscically significant definence of the access of S0 mg/kg of CHB fractionation of the testimer petition and the study at statiscically significant definence of the access of the study at statiscically significant definence of a patients were abstitent every week for the duration of the testimer petition All in the number of atstimer patients between GHB group and NT group was compared Moreover, a significant reduction in GHB groups and baboratory markets of atochol about severe GHB process the above abstitent every week for the duration of the testimer petition. All and the study at statiscically significant definence of the obstrate study show that GHB is more adficaction in GHB grocess means the above and the duration of the testimer petition. The outpet of durates of atochol about severe found to represent heavy dimking were observed in NTK group. Whole and the core of the above and the

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() OU COMBINIES NALTREXONE AND MEMANTINE TO BLOCK THE REWARDING EFFECTS OF ALCOHOL: AN EXPERIMENTAL PILOT STUDY IN HUMAN SUBJECTS CG Schutz, C Mayer, G Koller, M Wernicke, R Gueorgueva, JH Krystal Bonn University, Signund-Freund Str. 25, Bonn Germany Yale University, 34 Park Str. New Haven CT

somi universary, sigmund-treund Str. 25, Bonn Germany Yale University, 34 Park Str New Haven CT The high pirotity for developing new pharmacotherapy approaches to the treatment of alcoholism has not decreased with recent data indicating the lack of efficacy of nattercone treatment in alcohol dependent veterans (Krystal et al. 2001). Supported by results from predinical work (Holter et al. 1990), whi have been collecting data on the capacity of nattercone treatment in alcohol dependent veterans (Krystal et al. 2001). Supported by results from predinical work (Holter et al. 1990), whi have been collecting data on the capacity of nattercone to una concern the advice by the substant to block the rewarding effects of ethanol infloxication in healthy luman subjects Our experimental study is being conducted in a double blund, placetbo controlled, cross-owsi fashion, of dong sceeve 37.5 mg nattercone or pro-hours late a total of 400/000 is administered in a within-session cumulative-dosing procedure. Stimulating subjective effects are assessed in acveral measurements, including the BAES (Biphasic Alcohol Effect) Scale). Further assessments include conflution (CPT, word recall hand cordination (non leg stan); Results are analyzed using generalized linear mixed models (SAS PROC MIXED, SAS PROC GENMOD). Our pilot tata is 8 healty kedating, memantine is midly stimulating). Of greatest intereat, our data suggest that the combination of mannine and nattrexone is midly sedating, memantine is midly stimulating). Of greatest interest, our data suggest that the combination of mannine and nattrexone is defined stimulative alone) blocks the dose-related stimulation of discriminative stimulus effects of ethanol (i.e., blocks the ability of increasing doses of ethanol is be precived as "more ethanolike" Together, these data suggest that nattercone might be a critical therapeutic adjuvant if memantine or other related drugs are developed as pharmacone to alcohol. Similary, natifectore blocks the memantine-potentiation of discriminati

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NALTREXONE AND ACAMPROSATE: META-ANALYSIS OF TWO MEDICAL TREATMENTS FOR ALCOHOLISM JS Hopkins, JC Gathutt, CL Poole, SL West, TS. Carey Center for Alcohol Studies, Departments of Psychiatry and Epidemiology, University of North Carolina, Chapel Hill, NC 27599

Epidemiology, University of North Carolina, Chaper Hill, NC 27599 A meta-analysis was performed to assess the relative effectiveness of natilexione and accamprosate in the treatment of alcoholism. Studies identified from the medical iterature were collected and reviewed Databases exerched for relevant studies included Medine, PS/CInfo, EMBASE, IPA, and CINAHL. Outcomes common to the majority of studies were chosen for quantitative analysis. For the natire-one studies, outcomes included relapse to heavy dinking, relapse to any dinking, and percentage of dinking days during the treatment period. For the acamprosate studies, only relapse to any dinking was assessed in all of the traits Summary nisk differences for dichotomous outcomes were calculated within each group of studies. Meta-regression was performed to compare the two drugs directly and to assess the influence of study characteristics on treatment effect.

assess the influence of study characteristics on treatment effect 8 nativerone studies (N = 1,462) and 15 acamprosate studies (N = 3,979) were included in this analysis. Random effects estimates were reported, due to the high between-study variance for all outcomes in both treatment groups For nativersone, the risk difference of relapse to heavy diriking in treatment versus placebo groups was 16 (55% CI 07, 25, NNT = 628). The risk difference of relapse to any diriking was 08 (95% CI - 02, 17; NNT = 12,95), in the acamprosate studies, the overall risk difference for relapse to any diriking was 1.2 (55% CI 08, 17; NNT = 8, 15), Meta-regression indicated that prescribing evaluate psychiatric difference for relapse to any diriking was 1.2 (55% CI 09, 17; NNT = 8, 15), Meta-regression indicated that prescribing evaluate psychiatric and the context of this cumulative body of published studies. While more research will be necessary to understand fully the effectiveness of these drugs and the polyalatons in which one or the other may be indicated, these results suggest that acamprosate mathan abstinence.

B. Early intervention

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CONSIDERATIONS FOR SCREENING INSTRUMENTS IN A HOSPITAL TRAUMA SETTING TR. Apodaca, CR. Schemer, DD. Squires University of New Mexico, Albuquerque, NM 87131.

University of New Mexico, Albuquerque, NN 87131. Evidence has accumulated over the past ten years that bird' interventions can be as effective as more intensive treatments with at-risk or problem dirinkers, and here its growing concelling the set screening and bird integrations should be promited in health care settings. Trauma and remotions whould be promited in health care settings. Trauma and remotions whould be promited in health care beal for this type of intervention, when there is in the most of or change their dirinking. Because time as etimely limited in these settings, the current large examined to the all concent used in many bird interventions. The Alcohol Use Disorders I dentification Test (AUDT), and several text as adding alcohol use were administered to 61 patients admitted with a posticional section occonstration to a Lever 1 trauma enter. Results indicate that patients were inclusion (75%) if an a regults indicate that patients biosphalized following an alcohol-lelated injury, it may be helpful to supplement to implement effective bird interventions with patients hosphalized following an alcohol-lelated injury, it may be helpful to supplement the to implement effective bird interventions with patients hosphalized following an alcohol-lelated injury, it may be helpful to supplement the to implement effective bird interventions with patients hosphalized following an alcohol-lelated injury, it may be helpful to supplement the implement of the set of the supplement to bird patients hosphalized following an alcohol-lelated injury.

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