Outpatient Long-term Intensive Therapy for Alcoholics (OLITA): a successful biopsychosocial approach to the treatment of alcoholism

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Alcohol dependence is a frequent, chronic, relapsing, and incurable disease with enormous societal costs. Thus, alcoholism therapy and research into its outcome are of major importance for public health. The present article will: (i) give a brief overview of the epidemiology, pathogenesis, and treatment outcomes of alcohol dependence; (ii) introduce the basic principles of outpatient long-term therapy of alcohol-dependent patients; and (iii) discuss in detail process-outcome research on Outpatient Long-term Intensive Therapy for Alcoholics (OLITA). This successful biopsychosocial approach to the treatment of alcoholism shows a 9-year abstinence rate of over 50%, a re-employment rate of 60%, and a dramatic recovery from comorbid depression, anxiety disorders, and physical sequelae. The outcome data are empirically based on treatment processes that have proven high predictive validity and give concrete information about where to focus the therapeutic efforts. Thus, process-outcome research on OLITA can serve for the development of new therapeutic guidelines on adapting individual relapse prevention strategies.

Epidemiology, pathogenesis, and long-term course of chronic alcohol dependence

Alcoholism is a chronic and relapsing disorder that imposes enormous costs on society, is one of the leading causes of death in industrialized countries, and is among the strongest cost drivers with respect to service use. Thus, the development of successful treatment approaches and their intensive analysis is of major importance for public health. Alcohol dependence is one of the most frequent psychiatric disorders, with a 12-month prevalence of at least 3%, a lifetime prevalence of 8% to 14%, and a male:female ratio of 2.5:1. Both, the course and the treatment of alcoholism are complicated by a high rate of comorbid psychiatric disorders, most importantly personality disorders (approximately 30% to 60%), anxiety (20% to 30%), and mood disorders (20%). The alcohol-associated burden of disease is

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tremendous. Alcohol is third only to tobacco consumption and hypertension as a cause of disease and premature death in Europe. Alcohol consumption causes 6.1% of deaths, 12.3% of lost years caused by premature death, and 10.7% of all disability-adjusted life years (DALYs)—this is a measure for the estimation of the number of healthy life years lost by disease and premature death. Among young persons, alcohol constitutes the major cause of death; eg, more than 25% of deaths of European men between 15 and 29 years of age are attributable to alcohol.16,17

Even though the specific causes and complex etiological processes are only partly understood, five basic factors can be identified that play a major role for the development of alcohol dependence: (i) a strong genetic disposition, with the estimations of heritability ranging between 50% and 64%; (ii) irreversible damage of the so-called motivational or reward system (parts of the limbic system, above all hippocampus, amygdala, caudate nucleus, ventral tegmental area, parts of the frontal lobe and nucleus accumbens); (iii) specific changes in the interactions of centrally and peripherally acting neurotransmitters and hormones, eg, γ-aminobutyric acid (GABA), glutamate, dopamine, opioids, epinephrine, norepinephrine, serotonin, acetylcholine, cannabinoids, corticotropin-releasing factor (CRF), and neuropeptide Y. Dysregulations in these transmitter systems are responsible for acute alcohol intoxication, alcohol dependence, and the withdrawal syndrome as a consequence of long-term alcohol consumption; (iv) a strong impairment of the psychobiological stress tolerance; (v) long years of overlearning of self-destructive behavioral processes (for review see refs 5,18-62).

Data concerning the long-term course and prognosis of chronic alcohol dependence are alarming. Longitudinal studies that investigated follow-up periods between 4 and 35 years identified the following prognostic characteristics: 63-76

• In the long term, alcohol dependence is associated with significantly increased mortality rates between 15% and 60%. Thus, the mortality risk for persons with alcoholism is 2.5 to 9 times higher than for persons without alcoholism.

• With only 5% to 30% of the samples from beginning of the studies, a small percentage maintained long-term abstinence; most patients either relapsed (25% to 60%), died (15% to 60%), or alternated with phases of abstinence, reduced consumption or relapse (10% to 16%).

• Predictors for an unfavorable course are: chronicity, severe physical sequelae, a comorbid dissocial personality disorder, frequent excessive drinking in the past, separation from the partner, and unemployment; predictors of a good prognosis are: stable partnership, re-employment, long treatment duration, long-term participation in self-help groups after a preceding addiction therapy.

• The recovery process proceeds quickly during the early years of abstinence. However, recovery takes in total 10 years or longer. The relapse risk is not significantly decreased nor stable before the third year of abstinence.

Outcome research on alcoholism therapy

A review of the current state of outcome research shows that there have not been any sensational therapeutic improvements during the last decades. For more than 30 years, meta-analyses and literature reviews have consistently shown that alcoholism treatment is successful and cost-effective in the short term.77-84 Good evidence exists that 12-step treatment and diverse programs of cognitive behavioral therapy (CBT) are equally effective in achieving abstinence rates of approximately 25% to 30% during the year after treatment (for examples see refs 85,86). However, most treatment studies demonstrate substantial methodological shortcomings. Treatment outcomes are normally based on subjective statements of patients concerning their state of current alcohol consumption and abstinence. On the rare occasions that studies have corroborated subjective outcome data with objective laboratory data, the results are rather inexact and fragmented. Finally, the results of the few valid investigations of long-term outcome are inconsistent: objective information on drinking status indicates that only 6% to 18% of patients are abstinent at 2-year follow-up.87 In contrast, studies relying on self-report data suggest that approximately 30% of patients are abstinent 2 to 3 years after treatment.88,89

Selected abbreviations and acronyms

| Abbreviation | Description |
|--------------|-------------|
| HAQ          | Helping Alliance Questionnaire |
| OLITA        | Outpatient Long-term Intensive Therapy for Alcoholics |
| TOPPS        | Therapy Orientation by Process Prediction Score |
| VAMP         | Video-Assisted Monitoring of Psychotherapeutic Processes in Chronic Psychiatric Disease |
There is no evidence for a sufficient efficacy of a primarily pharmacotherapeutic treatment of alcoholism. Whereas the alcohol deterrent disulfiram has proven to be an adjunctive of psychotherapeutic alcoholism therapy for more than 50 years,90-95 many studies have found efficacy of the anticraving substances acamprosate and naltrexone over the last 15 years.96-100 However, the results of a recent large-scale multicenter study challenge the additional efficacy of anticraving medications over behavior therapy.101 Anton et al studied treatment outcomes of a large sample (N=1383) of alcohol-dependent patients who were treated for 16 weeks and re-examined after 12-month follow-up. The authors investigated whether different combinations of naltrexone, acamprosate, and cognitive behavior therapy differ with regard to the outcome “number of abstinent days.” Whereas acamprosate did not show any efficacy, the combinations “naltrexone plus medical management” and “naltrexone plus medical management and behavior therapy” were not more successful than a simple combination of behavior therapy, placebo medication, and medical management.101

A sobering conclusion can be drawn when interpreting these results critically, and taking into account a recent literature review that has compiled studies showing that the alcohol deterrent disulfiram is superior to the newer anticraving medications.90 Even though seemingly innovative psychotherapy concepts have been presented and praised every now and then, and a number of new medications have been launched, until now no treatment concept has been found that yields superior outcome data than the well-known and clinically often practiced combination of broad-spectrum behavior therapy and medical management.

Considering the high prevalence and chronicity, the fluctuating and devastating course, the increased mortality, and the low long-term abstinence rates, a challenging understanding of alcoholism treatment emerges. Alcohol dependence is among a group of chronic diseases such as chronic polyarthritis, hypertension, bronchial asthma, and diabetes mellitus that require a flexible, intensive, and lifelong treatment.101 Consequently, the question arises as to why therapists, therapy researchers, and social insurance agencies still recommend the so-called brief interventions as seemingly successful therapeutic options for individuals with alcohol dependence. Brief interventions may constitute treatment alternatives for individuals with risky consumption and alcohol abuse, and for these patients they can achieve outcomes with medium effect sizes. However, they are ineffective in the treatment of alcohol-dependent patients.103-105

**Principles of an outpatient long-term treatment of alcohol-dependent patients**

The basic principles of an innovative biopsychosocial treatment approach are derived from the evidence of epidemiology, pathogenesis, course, and treatment outcome of alcohol dependence.102,106,107:

- **Strict abstinence orientation.** Alcohol dependence is an irreversible and incurable disease. Only consequent long-term abstinence can stop disease progression and enhance the recovery process. Treatment approaches that aim at so-called “controlled drinking” are contraindicated for alcohol-dependent patients.
- **Supportive, nonconfronting therapist behavior.** During the first months of abstinence, alcohol-dependent patients demonstrate a strong impairment of the psychobiological stress system which only recovers slowly. Whereas confronting and emotionally stressful therapeutic interventions like cue exposure are harmful, the supportive, client-centered, and cognitive behavioral therapeutic strategies have proven efficient.
- **Chronic disease—intensive, lifelong treatment.** Chronic alcohol dependence is associated with a strong genetic disposition, irreversible neurobiological damage, and decades of self-destructive learning processes. Only long-term and comprehensive therapies, followed by lifelong attendance of checkup sessions and self-help group participation, can guarantee long-term recovery.
- **A relapse is an emergency.** Alcohol dependence is a severe psychiatric disease demonstrating high rates of physical and psychiatric comorbid disorders, a vast number of social problems, and a significantly increased mortality risk. Similarly to relapses in other severe diseases, an alcohol relapse has to be interpreted as an emergency that requires immediate crisis intervention. Any delay clearly means a poorer prognosis.

**OLITA: a successful biopsychosocial approach to the treatment of alcoholism**

Outpatient Long-term Intensive Therapy for Alcoholics (OLITA) is a four-step biopsychosocial outpatient therapy program for severely affected alcohol-dependent patients, aiming at immediate social reintegration within the sheltered setting of psychotherapeutic treatment and
medical care. Therefore, basic elements of psychiatric patient care, client-centered and cognitive-behavioral psychotherapy, as well as classical addiction therapy, are integrated into a comprehensive, intensive and long-term treatment approach (Tables I and II). In order to take into account both the impaired stress tolerance of the patients during early abstinence and the chronicity of the disease, the OLITA concept combines high intensity (ie,}

### Clinical research

| High-frequency short-term individual therapeutic contacts |
|----------------------------------------------------------|
| Structured, guarded attachment by supportive, nondemanding short-term contacts; initially 15 minutes daily, including weekends and holidays; slow tapering off of contact frequency aiming at regular and permanent attendance of weekly group sessions. |

| Emergency service and crisis interventions |
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| In case of emergency, patients and their relatives can contact OLITA round the clock on any day of the year. |

| Social reintegration and home visits |
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| Specific assistance in rearranging a social network which supports an abstinent lifestyle; explicit cooperation with family members and friends; family and marital sessions; advice and support regarding occupation, authorities, housing problems, moving, job-seeking, financial and legal problems. |

| Induction of alcohol intolerance |
|---------------------------------|
| Use of calcium carbimide (Colme®) or disulfiram (Antabuse®), so-called alcohol deterrent medication (inhibition of the alcohol-metabolizing enzyme acetaldehyde dehydrogenase leads in case of alcohol consumption to accumulation of toxic acetaldehyde resulting in an “inner poisoning,” the so-called “disulfiram-ethanol reaction,” comprising extensive flushing, hyper- or hypotension, tachycardia, nausea, vomiting, anxiety). |

| Introduction of control factors |
|--------------------------------|
| Regular urine and blood analyses for alcohol and other drugs of abuse; if necessary, additional breath tests. Supervised intake of deterrent medication and explicit exploitation of its psychological effects. |

| Aggressive aftercare |
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| Aggressive therapeutic interventions to immediately interrupt beginning and to prevent threatening relapses. Patients who miss a therapeutic contact are called on to continue therapy or to restart abstinence; examples of aggressive aftercare are spontaneous house visits, telephone calls, and involvement of close friends/relatives. |

| Therapist rotation |
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| An interdisciplinary cooperating team of 6 to 7 therapists is treating the patients (supervising psychiatrist, psychologist, physician, social worker, nurse and MD or PhD students). All therapists are equally responsible for all patients. The classical fixation of a single patient to a single therapist is abandoned. |

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**Table I.** The main therapeutic elements of OLITA, Outpatient Long-term Intensive Therapy for Alcoholics.

| Inpatient period: Detoxification |
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| 2-3 weeks; daily individual sessions, 15 minutes each; disulfiram, 100 mg daily, or calcium carbimide, 50 mg daily. |

| Outpatient period I: Intensive phase |
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| 3 months; daily individual sessions, 15 minutes each; disulfiram, 100 mg daily, or calcium carbimide, 50 mg daily. |

| Outpatient period II: Stabilizing phase |
|----------------------------------------|
| 3-4 months, according to individual need; 3 times a week individual sessions, 15 minutes each; disulfiram, 400 mg, 3 times a week. |

| Outpatient period III: Weaning-off phase |
|----------------------------------------|
| 6 months; twice a week individual sessions, 30 minutes each; disulfiram, 400 mg, twice a week. |

| Outpatient period IV: Aftercare phase |
|--------------------------------------|
| 12 months; once-weekly group session; initially weekly individual sessions (30 minutes) which are gradually reduced; disulfiram, 400 mg, once a week; tapering off between months 13 and 20, individual extension possible. |

**Table II.** Practical realization of the treatment program.
The OLITA pilot study started in 1993 and was terminated successfully in 2003 after 10 years and the completion of 180 patients assigned to recruitment cohorts 1-6. The main therapeutic elements of OLITA are: (i) frequent contacts, initially daily, with a slow reduction of contact frequency up to the end of the second year; (ii) therapist rotation; (iii) support of social reintegration and aggressive aftercare; (iv) induction of alcohol intolerance through application of alcohol deterrents (inhibitors of acetaldehyde dehydrogenase); (v) explicit control: supervised intake of alcohol deterrents and regular urine analysis for alcohol and other drugs of abuse. The therapeutic phases of OLITA consist of the inpatient period (detoxification; 2 to 3 weeks; daily individual sessions, 15 minutes), the outpatient period I (intensive phase; 3 months; daily individual sessions, 15 minutes), the outpatient period II (stabilizing phase; 3 to 4 months according to individual need; three times a week individual sessions, 15 minutes), the outpatient period III (weaning-off phase; 6 months; twice a week individual sessions, 30 minutes), and outpatient period IV (aftercare phase; 12 months; once weekly group session; initially once weekly individual session, 30 minutes, which is gradually tapered off). After completion of the 2 years of therapy, patients participate in weekly to quarterly follow-up contacts and are offered to make use of both the emergency service and the crisis interventions of the therapeutic team.

**Patients in the OLITA program: sociodemographic and addiction severity characteristics**

Inclusion criteria for OLITA are alcohol dependence according to DSM-IV, residence nearby, and health insurance-covered treatment costs. Exclusion criteria are presence of moderate to severe dementia and acute concurrent abuse or dependence on substances other than alcohol (with the exception of caffeine and nicotine). Thus far, 180 alcoholics (144 men, 36 women) have been treated with a 7-year follow-up success rate of over 50% abstinent patients despite a “negative selection,” with regard to severity of alcohol dependence, comorbidity, and social detachment, upon entering the program. Patients were on average 44±8 years old, had a duration of alcohol dependence of 18±7 years, approximately 7±9 prior inpatient detoxification treatments, and 1±1 failed inpatient long-term therapy. Almost 60% of the patients were unemployed. Psychiatric comorbidity amounted to 80%. About 60% of the patients suffered from severe sequelae of alcoholism, such as polyneuropathy, chronic pancreatitis, or liver cirrhosis. To illustrate addiction severity in our population, representative scores of the European Addiction Severity Index 

**Long-term treatment outcomes**

Considering this severely affected population of alcoholics, the long-term success rate of OLITA is incredibly high: More than 50% of the patients remain abstinent over up to 7 years of post-treatment follow-up. Based on this high abstinence rate, a tremendous improvement in psychological, biological, and social parameters of this patient group could be achieved. The unemployment rate of OLITA patients declined to 22% in an area (Göttingen) with a general unemployment rate of 17%. The comorbid psychiatric disorders anxiety and depression decreased from approximately 60% to 13%. Additionally, patients had a clear decrease in physical sequelae of alcoholism, ranging from liver disease to polyneuropathy. Figure 3 a, b and c illustrate the highly sig-
significant reduction in psychiatric comorbidity. Shown are all comorbid disorders (Figure 3a), anxiety disorders (Figure 3b), and mood disorders (Figure 3c) in percentage of the study population from month 1 of therapy to 2 years, ie, the termination of the program. The global decrease of comorbid disorders during therapy is characterized by two specific features of the recovery process. Firstly, anxiety disorders show a delayed remission, ie, they do not change significantly until the first year of therapy. Secondly, the early remission of mood disorders during the first 6 months harbors the risk of recurrence of major depression during long-term abstinence. These data suggest that effective treatment of dual diagnosis patients comprises two basic elements: (i) long-term duration as prerequisite of gradual remission of anxiety and protective factor against recidivism of mood disorders; (ii) comprehensive and careful integration of dual diagnosis interventions considering temporary impairments of coping skills and the imminent danger of overtaxing current patient resources. Simple addition of some treatment elements for comorbid disorders to short-term alcoholism therapy has no effect or even causes a negative outcome.

A case-control study

Compared with thoroughly paralleled case controls who participated in alternative treatment programs, the outcome of OLITA patients is significantly better.

Figure 2. Employment of OLITA patients (N=180); ** P<0.0001 versus situation upon entering OLITA. The gray shaded area shows the proportion of patients who were working before OLITA, but who had received official warnings from their employers.Olita, Outpatient Long-term Intensive Therapy for Alcoholics

Figure 3. Two-year course of comorbid axis I disorders during OLITA, Outpatient Long-term Intensive Therapy for Alcoholics

** P<0.01; * P<.05, P-values were adjusted for multiple comparisons according to the stepwise rejecting Holm procedure.

Figure 3a. Two-year course of all comorbid axis I disorders.
Figure 3b. Two-year course of anxiety disorders.
Figure 3c. Two-year course of mood disorders.
Separate analysis of lapses (intake of alcohol followed by immediate cessation of drinking and continuation of the OLITA program) and relapses (intake of alcohol followed by “malignant” continuation of drinking) in OLITA patients reveals that the “true relapse rate” in OLITA patients is 30% as compared with 70% in controls. Relapses plus lapses in OLITA patients amounted to 60%. Thus, the immediate stop of lapses by means of crisis interventions has prevented the progression into relapses for 30% of the patients.

**Mechanisms of recovery and irreversibility**

The OLITA program offers the unique possibility of following a well defined population of alcoholics over a long period of strictly controlled alcohol abstinence. In this ideal setting, we were able to study alcohol-induced pathology, as well as kinetics and mechanisms of recovery. Topics investigated include chromosomal aberrations, hematopoietic factors and circulating blood cells, stress hormones, sexual function and sex hormones, as well as neurocognitive functioning. Recently, we reported persistent alterations in many neuroendocrinological parameters, for example enduring disturbances of water/electrolyte homeostasis and thirst. These findings may prepare the ground for future pharmacological therapies. The underlying mechanisms of irreversibility could be directly or indirectly related to the phenomenon of dependence as well as of addictive behavior.23,26,31-35,51,113

*Figure 4* shows the diurnal profile of epinephrine after 1 and 12 weeks of alcohol abstinence as an example of the biological basis of the patients’ impaired stress tolerance during early abstinence. At both time points, data were obtained on three consecutive days from 7 AM to 3 PM from patients and controls in permanent supine position. Alcohol-dependent patients demonstrate extremely high levels of epinephrine at the beginning of abstinence that are still significantly higher than levels of healthy control subjects after 3 months of controlled abstinence (difference between alcohol-dependent patients and healthy control subjects: P<.0001 for the upper row, P<.01 for the lower row; N=11 for each group). The extent to which the stress response of the alcohol-dependent patients is impaired can be seen from

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**Figure 4.** Diurnal profile of epinephrine during course of alcohol abstinence (see text for details).
Personality disorder and chronicity of addiction as potent independent predictors of an unfavorable treatment outcome

A central issue of therapy research is to estimate the intensity of treatment needed on the basis of addiction severity of individuals. This approach is based on the assumption that patients whose addiction is less severe than others’ might also benefit from less intensive treatment, whereas patients whose addiction is more severe need a more intensive therapy. However, it is far from clear which variables within the broad range of substance use data constitute the essential features of addiction severity. The OLITA setting prepared the ground for a prospective longitudinal study that examined which components of addiction severity predict time to relapse for a subsample of 112 patients during 4-year follow-up. Among the various analyzed sociodemographic, psychiatric, and alcoholism-related patient characteristics, only the presence of a personality disorder (Wald=7.83, df=1, \(P=0.005\)) and chronicity of addiction (Wald=5.17, df=1, \(P=0.023\)) were independently associated with a decrease of cumulative 4-year abstinence probability. Chronicity was defined as the percentage of a patient’s lifetime that he or she has been addicted (ie, duration of dependence divided by age at the beginning of therapy). As illustrated in Figure 5, patients with a comorbid personality disorder and/or higher chronicity of addiction had a lower abstinence probability and a shorter time to relapse than patients without personality disorder and/or with lower chronicity. The four abstinence curves differ significantly (Breslow statistic=10.36, \(P=0.02\)). Pairwise single comparisons of abstinence curves show that patients with both predictors are more at risk to relapse (\(P=0.02\)) than patients with no personality disorder and only low chronicity (\(P=0.02\)) or only by personality disorder (\(P=0.02\)). Abstinence curves of patients who are handicapped only by personality disorder (\(P=0.02\)) or only by high chronicity (\(P=0.02\)) approximate the abstinence curve of patients with both risk factors, indicating that these predictors independently cause a decrease of cumulative abstinence probability.

Therapist rotation: a major element of OLITA

Apart from the regained quality of life of these patients, the general health care cost reduction is enormous. How can we explain the unusual success of our very structured, intensive, and comprehensive long-term treatment? A major "mechanism of action" of OLITA seems to be the therapist rotation. This element of OLITA represents a revolution in psychotherapy. The fact that six to seven therapists are equally responsible for each patient translates the ordinary two-way relation between therapist and patient into a most efficient multiway therapeutic network. Therapists stick to the rules of the program and the ideas of alcoholism treatment realized within the concept (congruence) and frequently repeat these rules and ideas (repetition). Thereby, a variety of individual therapists with a variety of different thoughts create a therapeutic atmosphere characterized by vivid and multifaceted variation. We hypothesize that these specific factors activate common factors of psychotherapy and that, as an element of OLITA, therapist rotation has a major contribution to its success.

![Figure 5. Prediction of cumulative abstinence probability during 4-year follow-up (Kaplan-Meier presentation). Interaction of the predictors personality disorder and chronicity (analysis of extreme groups).](image-url)
How can we prove efficacy in a psychotherapeutic setting?

In contrast to pharmacological agents, psychotherapeutic effects are much more difficult to define or to measure. In addition, quality control for psychotherapy is widely missing. Therefore, and also to prove our hypotheses of how OLITA works, we have developed the Video-Assisted Monitoring of Psychotherapeutic Processes in Chronic Psychiatric Disease (VAMP). This diagnostic measure is a standardized, manualized, and video-based observational system that focuses mainly on the patients’ behavior and makes it possible to assess treatment processes based on transcribed video recordings of therapy sessions. The scales evaluated in the VAMP are grouped into seven modules: (i) common psychotherapeutic factors; (ii) addictive behavior; (iii) disease concept; (iv) working atmosphere; (v) psychopathological symptoms; (vi) therapeutic alliance; and (vii) problem solving. A total of 64 patients have been analyzed over the past 4 years using the VAMP. Each patient had 17 videotapes of psychotherapeutic sessions within the 2 years of OLITA recorded. These videos are the basis of both, a macroanalytical and a microanalytical evaluation of therapeutic processes and their influence on long-term outcome. An ongoing project explores the use of the VAMP in a prospective longitudinal study investigating (i) processes of change during the first year of OLITA; (ii) associations between therapeutic processes and essential outcome variables (eg, abstinence, relapse, addiction severity, course of comorbidity, and neuropsychological regeneration). Therefore, treatment processes have been investigated at three time-points, t1 (week 3), t2 (month 6), and t3 (month 12) during the first year of OLITA.

Reliability analyses show that the scales of the VAMP have high interjudge reliability (median intraclass coefficient of 0.80) and internal consistency (median Cronbach’s α 0.81). The construct validity is indicated by pronounced intercorrelation patterns of theoretically associated specific factors. Figures 6 and 7 demonstrate two examples. Relapse alertness (Figure 6) is strongly correlated with talk about relapse risk, disease concept, analytic processing and reflection, experience of resources, as well as with func-

![Figure 6. Intercorrelational pattern of the VAMP scales at the beginning of therapy (n=64); relapse alertness (central construct, light blue) shows correlations of different sizes with process variables belonging to the groups of common psychotherapeutic factors (light gray), problem processing (dark gray) as well as addictive behavior (dark blue). OLITA, Outpatient Long-term Intensive Therapy for Alcoholics; VAMP: Video-Assisted Monitoring of Psychotherapeutic Processes in Chronic Psychiatric Disease](image-url)
tional and dysfunctional problem solving of current problems. However, correlations are only medium-sized with self-disclosure and implicit craving. Most interestingly, relapse alertness is only weakly associated and nearly independent of explicit craving, functional and dysfunctional problem solving of past problems and both general and abstinence self-efficacy. To perform construct validation of the VAMP therapeutic alliance scales (Figure 7), associations with the self-report measure Helping Alliance Questionnaire (HAQ) were analyzed. This 11-item questionnaire has well-established psychometric properties, is available as a patient form and a therapist form and measures how patient and therapist have experienced the quality of therapeutic alliance during the session just conducted. It is based on two underlying components of the therapeutic alliance, support by the therapist and collaborative teamwork with the therapist regarding treatment goals and tasks. In the present study, the HAQ was administered directly after a therapy session, and neither patient nor therapist or VAMP raters were allowed to inspect each others' ratings. The three VAMP scales, working atmosphere, therapeutic alliance-patient and therapeutic alliance-therapist are highly correlated, suggesting an underlying common factor. Compared with the rather small associations between patient, therapist, and observer alliance ratings that are reported in the general psychotherapy literature and in recent addiction therapy studies (eg, refs 118-120), both patient and therapist HAQ scores in our study show considerably higher correlations with each other and with VAMP observer ratings. This higher congruence, together with remarkably stable and high scores over 12 months in all used alliance measures, lead us to the speculation that the multiple relationships developed in the setting of therapist rotation might constitute a stronger therapeutic alliance than the two-way relationships in the dyadic therapy setting. Although these data are not yet a clear proof that therapist rotation is a major factor contributing to the long-term success of OLITA, they are the first empirical evidence on therapist rotation and may stimulate future investigations of this rather unexplored research topic.

**Treatment processes in clinical practice: where to start?**

Therapists in the addiction field daily face the difficulty to decide which of the many dysfunctional processes of their patients have priority and should be focused on at first. By integrating the VAMP scales with the highest predictive validity, the composite score Therapy Orientation by Process Prediction Score (TOPPS) was constructed. It includes the process variables experience of resources, abstinence self-efficacy, implicit craving, relapse alertness, relapse risk, disease concept, dysfunctional therapeutic engagement, and dysfunctional problem solving of current problems. The TOPPS strongly predicts 4-year abstinence probability at any of the 3 time-points (P<0.001). This result suggests employing the TOPPS in addiction therapy as a treatment guideline for adapting individual relapse prevention strategies. Therapists and addiction counselors can evaluate their patients according to the eight processes after individual therapy sessions as well as in team sessions. The ratings may be employed in form of a checklist that serves as a practical tool to plan, evaluate, reschedule, and regulate the course of therapy. Problems in one or more of the eight processes indicate to what extent a patient's current behavior constitutes a long-term risk factor for alcohol relapse. As a consequence, individually tailored relapse prevention strategies that target specifically the improvement of the problematic processes should be integrated into the treatment plan. For possible interventions, a plethora of therapeutic elements are available in comprehensive addiction therapy, all of them realized within the OLITA program, eg, motivational interventions during inpatient detoxification,
smooth transition from inpatient to outpatient treatment, high-frequency short-term individual therapeutic contacts, supportive psychotherapy during the first 6 months of abstinence, therapist rotation, social support, case management, regular urine and blood tests for alcohol and other drugs of abuse, supervised intake of alcohol deterrents, house visits, crisis interventions and assistance round the clock in case of emergency, “aggressive aftercare,” coping and problem-solving skills training including functional analyses, psychoeducation, and restructuring of dysfunctional thinking, eclectic cognitive-behavioral and psychopharmacological treatment of concurrent mental disorders, marital and family therapy, slow tapering of therapeutic contacts and weekly group sessions during the second year of treatment.

Conclusions and clinical implications

Alcohol dependence is a chronic, relapsing, and incurable disease that belongs to the most frequent psychiatric disorders. Personality disorder and chronicity constitute the essential features of addiction severity and result in low abstinence rates of short- and medium-term therapies after extended follow-up. A new understanding of alcoholism therapy recognizes alcohol dependence as a chronic disease such as hypertension, chronic polyarthritis, bronchial asthma, and diabetes mellitus. Similar to these diseases, alcohol dependence has to be treated with an unusually intensive biopsychosocial approach. Only comprehensive, integrated, and structured long-term therapy with a strict abstinence orientation, followed by lifelong attendance of checkup sessions and self-help group participation will guarantee long-term recovery. OLITA shows a 9-year abstinence rate of over 50%, a re-employment rate of 60%, and a dramatic recovery from comorbid depression, anxiety disorders, and physical sequelae. These outcome data are empirically based on treatment processes that have proven high predictive validity and give concrete information about where to focus the therapeutic efforts. Thus, process-outcome research on OLITA can serve for the development of new therapeutic guidelines for adapting individual relapse prevention strategies.

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Terapia intensiva a largo plazo para pacientes alcohólicos ambulatorios (OLITA): una aproximación biopsicosocial exitosa para el tratamiento del alcoholismo

La dependencia al alcohol es una enfermedad frecuente, crónica, recurrente e invariable con enormes costos sociales. Por lo tanto, la terapia del alcoholismo y la investigación acerca de la evolución son de la mayor importancia para la salud pública. El presente artículo: 1) dará una breve visión acerca de cómo ha evolucionado la epidemiología, la patogenia y la terapéutica de la dependencia al alcohol, 2) introducirá los principios básicos del tratamiento a largo plazo de pacientes ambulatorios con dependencia al alcohol y 3) discutirá en detalle la investigación del proceso y evolución de la Terapia Intensiva a Largo Plazo de Pacientes Alcohólicos Ambulatorios (OLITA). Esta exitosa aproximación biopsicosocial al tratamiento del alcoholismo muestra un porcentaje de abstinencia a nueve años sobre el 50%, una frecuencia de reincorporación laboral del 60% y una importante recuperación de la depresión, los trastornos de ansiedad y las secuelas físicas comórbidas. Los datos de la evolución se basan empíricamente en procesos terapéuticos que han probado una alta validez predictiva y dan información concreta acerca de dónde dirigir los esfuerzos terapéuticos. De esta forma, la investigación del proceso-evolución de OLITA puede servir para el desarrollo de nuevas guías terapéuticas para la adaptación individual a las estrategias para la prevención de recaídas.

OLITA (Outpatient Long-term Intensive Therapy for Alcoholics): une approche biopsychologique réussie du traitement de l’alcoolisme

La dépendance alcoolique est une maladie fréquente, chronique, récidivante et incurable entraînant d’énormes coûts sociétaux. Le traitement de l’alcoolisme et la recherche sur les effets de ce traitement revêtent donc une importance majeure en termes de santé publique. L’article qui suit: (i) propose un bref aperçu de l’épidémiologie, de la pathogénèse et des résultats thérapeutiques de la dépendance alcoolique ; (ii) introduit les principes de base du traitement à long terme en ambulatoire des patients alcooliques ; (iii) discute en détail des résultats du programme thérapeutique intensif OLITA (Outpatient Long-term Intensive Therapy for Alcoholics). Cette approche biopsychologique du traitement de l’alcoolisme s’est avérée efficace, montrant un taux d’abstinence de plus de 50 % sur 9 ans, un taux de réemploi de 60 % et une récupération très importante à la suite d’une dépression comorbidé, de troubles anxieux ou de séquelles physiques. Les résultats, basés empiriquement sur des procédures thérapeutiques dont la valeur prédictive élevée a été démontrée, indiquent concrètement où porter les efforts thérapeutiques. Ainsi, la recherche concernant les effets des processus de la prise en charge OLITA peut servir à l’élaboration de nouvelles recommandations thérapeutiques pour adapter en les individualisant les stratégies de prévention de la rechute.
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