

1
2**3 Prescribing guide for Baclofen in the Treatment of Alcoholism –****4 For use by physicians**5
6

7 Running title: baclofen prescription guide

8
9**10 Abstract**

11

12 The purpose of this guide is to help doctors prescribe baclofen in the treatment of alcohol problems
13 as there is, to date, no standardized way to prescribe this molecule in the treatment of alcohol
14 dependence. The Recommended Medical Practices in respect of baclofen prescription generally
15 proposes, for neurological treatment, increasing dosage by 15mg every 3 days, while suggesting
16 flexibility, that is to say, adapting dosages individually. The proposals below reflect the experience of
17 the authors to this paper, experience which itself has been based on the original method described
18 by Olivier Ameisen (Ameisen, 2005; 2008). The authors have, between them, treated more than 1500
19 patients with this medication, and they have learned gradually and empirically how to use baclofen
20 to help patients in the best possible way with alcohol problems. You will frequently notice that there
21 is no absolute consensus and that prescribers have different approaches and practices in the conduct
22 of treatment. At the present time, it is impossible to give a definitive answer to the question.

23 Our bibliography (see References) includes four papers describing clinical experiences in which the
24 authors have compiled their results, allowing us to base prescription on the results they have
25 described (Ameisen and de Beaurepaire, 2010; Dore et al, 2012; Rigal et al, 2012; de Beaurepaire,
26 2012). There are also articles reporting single cases or series of cases (Bucknam, 2007; Agabio et al,
27 2007; Pastor et al, 2012). These recommendations are intended to help you prescribe baclofen in full
28 confidence that you will find, as we have, that this treatment is superior to all others.

29

30 1 – Ameisen's postulate for the high dose prescription of baclofen.

31

32 Alcoholism is a neurobiological disease which is symptom-driven; the elimination of these symptoms
33 (loss of control of consumption, for example) suppresses the disease. Baclofen is, to date, the single
34 molecule that has shown an ability to suppress the motivation to drink in experiments with rats; the

35 use in humans should give similar results (translational model) (Ameisen, 2005) We invite you to read
36 Ameisen's book as a way to familiarize yourself with baclofen.

37

38 **2 – For whom to prescribe and when to prescribe baclofen? As the first treatment? When**
39 **all else has failed?**

40

41 The latest release of the French Society for Studies in Alcoholism (SFA) states that baclofen could be
42 a therapeutic option when all other treatments properly conducted have failed. This is what
43 happened to Olivier Ameisen when, almost in desperation, he self-administered 270mg of baclofen.
44 Since 2006, when prescription of baclofen for alcoholism started, it has been mainly for patients who
45 had tried repeatedly but failed to achieve sobriety. But with the media interest, more and more
46 therapeutically "new" patients are asking for treatment with baclofen. Must we comply with their
47 requests? Certainly an increase in prescribing is to be foreseen as a consequence of the results of
48 ongoing controlled studies and of the clinical experience of prescribers. Some of us prescribe
49 baclofen as a primary treatment for alcoholism, others only after other therapeutic approaches have
50 failed, but in the absence of formal comparisons of baclofen with other treatments for alcohol
51 dependence, it is difficult to give a categorical answer to this question. Here are some points which
52 may help you in making your decision to prescribe:

53

- 54 - What is the history of the patient's alcohol use?
- 55 - What is the impact of alcohol consumption in the patient's life: severe? minimal?
- 56 - Has the patient ever followed non-drug treatments, in alcohol rehab centers, for example, for his
57 alcohol problems? Which? How long? With what results?
- 58 - Has the patient ever taken medication to treat his alcohol problems? Which? With what results?
- 59 - What does the patient expect from baclofen? Does he know that the treatment is experimental
60 and has not received formal approval from the authorities for use in alcohol problems?
- 61 - Has the patient been diagnosed with any psychopathological disorders: depression, anxiety,
62 bipolar disorder? personality disorders?
- 63 - Is the patient taking any psychotropic medication? Which? Since when? With what effects?
- 64 - Does the patient have any current medical problems or a history, particularly, of epilepsy, liver,
65 kidney, heart disorders, and incipient or active stomach ulcers?
- 66 - What is his daily environment? Social network? Family support? Employment status?

67

68 Taking into account these parameters, you can decide if you want to proceed with prescribing high
69 doses of baclofen in the knowledge that the contra-indications are only of relative importance, with
70 the exception of severe kidney disease and epilepsy. The considerations which are important in
71 making the decision are primarily the history of the patient's attempts and failures at alcohol
72 treatment, and the patient's motivation to take baclofen.

73

74 **3 - What information is it essential to give your patient before prescribing baclofen?**

75

76 1. Treatment with baclofen is intended to make one indifferent to alcohol, that is to say, to make the
77 preoccupation with alcohol disappear from one's mind. Alcohol will gradually become a thought like
78 any other, one which is no longer perpetually fixed in one's brain. The ultimate goal is to feel free
79 from the urge to drink. Strict and permanent effortful abstinence from alcohol is no longer sought
80 after.

81

82 2. Baclofen is an "old" drug which has been on the market for over 40 years. It is used to decrease
83 muscular spasticity, that is to say, the muscle stiffness related to inactivity observed, for example, in
84 individuals with paralyzed lower limbs. As a result, we have a good understanding of the adverse side
85 effects and experience with its use over a sufficient length of time. There are also some studies of
86 the use of baclofen at high doses (Smith et al, 1991; Leung et al, 2006) and its potential interactions
87 with alcohol (Evans et al, 2009). We therefore know pretty much what is to be expected with this
88 medication.

89

90 3. The dose needed for one to reach the stage of indifference is not standard and will be determined
91 based on the patient's reactions and feelings during the administration of the medication and the
92 slow, careful and progressive increase of dosage. The patient himself will know when he feels he is at
93 the right dose. The effective dose and the adverse side effects cannot be predicted before initiating
94 treatment.

95

96 4. The maximal dose the patient will take will be highly variable, sometimes much higher than the
97 doses usually prescribed for this medication and will vary between 0.5mg/kg/day to 5mg/kg/day or
98 more. That is, for a person weighing 70kg, from 30mg to 350mg per day.

99

100 5. A slow and gradual increase in the dosage of the medication is essential to avoid the adverse side
101 effects that occur when increasing the dose too quickly. On average, it takes 6 to 12 weeks to reach
102 the effective dose.

103

104 6. The adverse side effects are well known but do not follow the same pattern in everyone. One may
105 not have any adverse reaction, or, on the other hand, several that may be more or less unpleasant.
106 Their development is variable but overall they tend to fade over time. They are reversible, in any
107 event, as soon as you reduce the dose or, as the case may be, stop the medication. All of them are
108 benign.

109

110 7. The duration of treatment will depend on the patient's feelings. Some patients stop after a few
111 months and have no further problem with alcohol without taking baclofen, but in most cases they
112 must continue the treatment because they relapse if they stop taking baclofen.

113

114 8. Generally the patient will stay for several weeks or even months at the maximum effective dose,
115 and, after a certain period of time, will gradually reduce the dose until he finds his maintenance
116 dose. We lack experience to be more precise.

117

118 **4 - How to prescribe baclofen?**

119

120 **Initiating treatment**

121

122 There is a consensus that it is necessary **to increase the dosage gradually and at a sufficiently slow**
123 **rate**. Generally one starts with small daily doses of about 10 or 15mg, then one increases to 30mg 3-
124 4 days later and then increases by 10mg every 3 to 5 days until one reaches the therapeutic dose,
125 which varies from one person to another and is unpredictable. There does not seem to exist any
126 correlation between weight and dose.

127

128 Most prescribers recommend **not increasing too quickly, even if the drug is well tolerated**. Some,
129 however, use a faster increase of 20mg every 3-4 days during the first two weeks, and often the
130 second fortnight, and then slow the progression after the first month to a the slower rate of increase
131 of 10mg every 3 to 4 days or 20mg per week.

132

133 **When side effects become too severe**, it is advisable to remain at the same dosage or to reduce
134 slightly the dose. The two options are available to the prescriber: if the adverse reaction improves
135 rapidly one can increase dose; if it does not improve rapidly, it will be wise to return to the lower
136 dose that did not cause the side effect. We can then try again to increase after one to two weeks if
137 the dose is not sufficient (possibly using half-tablets).

138

139 Some prescribers **remain longer at certain dosages**: 30mg, 60mg, 100mg, 150mg... But most see no
140 real advantage in doing that.

141

142 Studies have shown that the average dose is around 150mg/day and ranged from 30mg/day to
143 400mg/day. It is the clinical view and the feeling of the patient that must guide dose adjustment. The
144 treatment is totally customized to the individual patient after the first two weeks of treatment in
145 accordance with the patient's response to therapy. There is no established ceiling dose as long as the
146 patient tolerates the treatment.

147

148 Experience has shown that it is not necessary to be sober to start treatment with baclofen. This
149 decision will be discussed with the patient based on his clinical situation and the advantages or
150 disadvantages of withdrawal. In case of prior withdrawal, it is useful to remember that baclofen
151 lowers the epileptic seizure threshold. Patients may be asked to deliberately moderate alcohol
152 consumption during the first weeks of treatment, till "indifference" sets in. This will make the patient
153 feel that he is actively involved in his treatment: he avoids social occasions for drinking, becomes
154 aware of his rituals and habits related to alcohol and frees himself of them, seeking other ways than
155 taking alcohol to cope with life's stresses. But such an advice is not obligatory.

156

157 **Continuing treatment**

158

159 When the desired dose is reached and is well tolerated, it is recommended to stay at that dose for 2
160 to 3 months (sometimes less and sometimes more) and then try to reduce the dose to find the
161 lowest effective dose. There is no established pattern as to how to reduce the dose. One way to
162 determine the effective dose is to reduce the dose until the urge to drink returns, and then increase
163 the dosage one level above this dose. The decrease can be done either very slowly (10 to 30mg per
164 week) or in larger increments (back rapidly to two-thirds of the dose), the lower level being
165 maintained for 1 or 2 months. The maintenance dose is often between one third and half the
166 maximum dose reached.

167

168 **Maintain lifelong treatment?**

169

170 Baclofen has not been prescribed for long enough that we have the necessary clinical experience to
171 be able to say how long the treatment will last. Experience has shown that it has been possible for
172 some people to stop baclofen after a few months or years of treatment, but this is a minority of
173 patients, while others must wait and see. Baclofen is very unlikely a lifelong treatment.

174

175 **5 - What are the adverse side effects of baclofen and how to mitigate them?**

176

177 Side effects (SEs) are potentially numerous and clearly unpredictable in their occurrence during
178 treatment, apart from the drowsiness that is the most common SE during this treatment. The list
179 below is not exhaustive but represents both the main effects encountered during the administration
180 of baclofen and the ways to mitigate them. It is important to emphasize the fact that irregular or
181 disorganized taking of baclofen is a frequent cause of SEs. SEs have a fortunate tendency to
182 disappear or lessen with a reduction in dose. They are also always reversible upon discontinuation of
183 treatment.

184

185 It is curious but nonetheless remarkable that many patients continue their treatment in spite of
186 suffering from some potentially very unpleasant side effects.

187

188 **The most common side effects**

189

190 **Sleepiness:** the best known and most anticipated of SEs. Patients frequently describe a sudden and
191 almost irresistible desire to sleep rather than true sleepiness. It often occurs during the first days of
192 treatment. It tends to lessen as time passes. It is sometimes very troublesome especially among
193 working people. It is often reported as having a maximum effect after lunch, so much so that some
194 patients start taking their tablets after lunch to avoid the postprandial sleepiness. Car drivers and
195 people using potentially dangerous tools (such as saws or other dangerous devices) must be carefully
196 warned not to use their vehicles or tools, especially early in treatment.

197

198 **Fatigue:** This is another commonly reported effect whose development is similar to that of
199 somnolence. Patients may report the feeling of fatigue or of somnolence or both simultaneously. Like
200 somnolence, fatigue resolves favorably over time.

201

202 **Dizziness:** Of variable intensity, patients describe this as an uncomfortable sensation during which
203 they are afraid of falling. In terms of symptomatology this is a false vertigo. These sensations of
204 dizziness often occur in the morning and resolve during the day. When they are too troublesome, it
205 may be necessary to reduce the dose temporarily or permanently.

206

207 **Headaches:** These are reported as mainly occurring in the morning, in the skull and sometimes
208 throbbing; they fade during the day. They often respond well to conventional analgesics. They
209 usually diminish with continued treatment. They are sometimes accompanied by bizarre feelings,
210 such as having the head tightened or crushed.

211

212 **Nausea, vomiting, gastrointestinal disorders:** The frequent complaints are difficult to relate to
213 baclofen, especially in early treatment because they are often symptoms described by patients at
214 that time and especially if they stop drinking. It seems nonetheless that nausea in particular is the
215 subject of numerous but temporary complaints.

216

217 **Sleep disorders:** A paradoxical effect. Patients may complain of daytime sleepiness and sleep
218 disorders. The addition of a hypnotic is desirable when the sleep deficit is too high. These sleep
219 disorders may be accompanied by psychomotor agitation of variable intensity and sometimes
220 painfully felt by those around them. They are sometimes accompanied by very realistic or even
221 frightening dreams or nightmares which can be very destabilizing.

222

223 **The least frequent SEs**

224

225 **Tremors:** in the upper extremities, they are typically mild. They do not reduce much with continued
226 treatment

227

228 **Double vision:** highly related to the muscle-relaxant properties of baclofen, it resolves well with
229 continued treatment.

230

231 **Painful paraesthesia in arms and legs:** Occurring generally at night, it can be quite debilitating and
232 seriously jeopardize the continuation of treatment. Patients report a sensation of tightness or even
233 crushing in the upper and lower limbs accompanied by paraesthesia of varying intensity. This often
234 persists and usually requires a temporary reduction or sometimes permanent reduction in dose.

235

236 **Nocturnal apnoea:** A temporary cessation of breathing during sleep. These brief apnoeas should lead
237 the physician to examine the possibility of a true sleep apnoea syndrome which may have been
238 revealed or even triggered by taking baclofen. A specific treatment of sleep apnoea is needed before
239 continuing baclofen treatment.

240

241 **Mania or hypomania mood shift:** This is probably infrequent but nevertheless rather “disturbing”
242 clinically. It takes the form of a reduction in the duration of sleep, diurnal excitement, nocturnal
243 agitation, tachypsychia (acceleration of the succession of thoughts), behavioural disinhibition, verbal
244 diarrhoea and sometimes confused ideas. These symptoms may occur for the first time in patients
245 with no history of bipolar disorder. They necessitate the reduction or cessation of the treatment,
246 depending on their severity. It is sometimes necessary to prescribe a sedative, or better still a mood
247 regulator (such as valproic acid) until symptoms disappear.

248

249 **Confusional syndrome/delirium:** Onset may be sudden or gradual. It is potentiated by the
250 concomitant use of alcohol and benzodiazepines. The patient may present in a disturbing manner to
251 those around him yet be unaware of his condition. This syndrome may necessitate a reduction in
252 dosage or cessation of the treatment or admission to hospital. More frequently, the confusion has a
253 minor form, consisting in transient memory impairment, or moments of distractibility or perplexity.
254 The syndrome always disappears when the treatment is discontinued.

255

256 **Morbid thoughts:** They may reveal an underlying depression hitherto offset by the consumption of
257 alcohol or be the result of a sudden and painful awareness (painful lucidity) of a particularly
258 deteriorated somatic, mental, emotional or social condition.

259

260 **Other adverse effects:** Some patients have complained of pain in the gums, of slurred speech,
261 unilateral or bilateral tinnitus, chest tightness, oedema of the lower limbs or urinary problems

262

263 **Anorgasmia/loss of libido:** This side effect, not described in published studies, seems in fact to be
264 frequent but is not always reported in the lists of SEs. Future studies should seek to assess its
265 frequency.

266

267 **6 – Baclofen: Is it sufficient on its own? Is there a place for other approaches along with**
268 **this prescription?**

269

270 Baclofen is intended to make patients indifferent to alcohol and free them from their addiction.
271 Olivier Ameisen, having followed a large number of treatments and attended thousands of AA
272 meetings before taking baclofen, has written very clearly in his book (Ameisen, 2008), that baclofen
273 had allowed him to put into practice what he had learned during his cognitive behavioural
274 psychotherapy and his AA meetings. Baclofen gave him the space to reflect and to redirect his life.
275 He was able to do this by applying all the strategies he had learned so far but could not use because
276 his cravings were too intrusive.

277

278 Many of us have been struck by the nature of consultations with patients on baclofen. Very often,
279 and certainly in the early stages, they are simply pharmacotherapy consultations during which there
280 is no mention of adverse side effects, doses of baclofen or variations of craving. When the effective
281 dosage is reached at the cost of minimal adverse effects, many difficulties remain, particularly
282 psycho-social difficulties. Baclofen, even when it is very effective, does not cure solitude, the sheer
283 pain of living, difficulties with interpersonal relations, or unemployment, but it allows one to take
284 one's distance and face reality, and thus sometimes to suffer acutely as one becomes aware of the
285 mess one has made of one's life. In this context, it is essential that patients continue to get support
286 on their journey towards their psycho-social recovery. And it is appropriate at this stage to
287 encourage and help patients to improve their psychological state, to overcome their isolation and to
288 find pleasure in life. To do this, a multidisciplinary approach is important.

289

290 In the presence of anxiety, depression, bipolar disorder, or borderline states where alcoholism is a
291 symptom, psychiatric treatment adapted to these conditions will be maintained. Baclofen does not
292 present contra-indications with the usual psychotropic drugs (benzodiazepines, hypnotics, SSRIs,
293 neuroleptics...)

294

295 Psychotherapy, cognitive-behavioural or not, and participation in support groups is of great help,
296 although this will be difficult for the group when patients have not chosen abstinence. All this
297 remains to be developed. The paradigm shift brought about by baclofen treatment requires
298 rethinking the therapeutic methods for the whole field of alcoholism.

299

300 The value of baclofen consists in this new space that it gives patients, to rethink and reorganize their
301 lives. As with any withdrawal, a period of moderate or severe depression may occur. The patient
302 finds himself facing his own reality, which was hiding behind alcohol. To accompany him on this
303 personal journey is part of the treatment plan.

304

305 The patient's entourage, those close to the patient, must also move from insistence on abstinence,
306 with its attendant pressures, to encouragement to reduce consumption and to maintain compliance
307 with baclofen treatment. Some prescribers will find it useful to establish systematic contact with the
308 patient's immediate family and friends, even having them attend at their offices, so as to assist them
309 with this change of attitude.

310

311 **7 - What are the risks of prescribing baclofen: off-label prescribing?**

312

313 Prescribing a drug outside of its usual and accepted uses is widely practiced in medicine regardless of
314 the specialty (general medicine, paediatrics, psychiatry...). It has often happened that it is discovered
315 that a molecule can have unsuspected properties in an unexpected therapeutic area (aspirin/cardio,
316 carbamazepine as a mood stabilizer, antidepressants in chronic pain, etc.).

317

318 Legislators have foreseen this situation and provided for it (for France, see Paoletti, 2003). Off-label
319 prescribing is permitted under the following conditions:

320

321 - Scientific data justify this therapeutic use.

322

323 - It is required as a treatment due to the failure of properly conducted conventional therapies.

324

325 - The patient has been given comprehensive information concerning the potential benefits and risks
326 of the treatment.

327

328 - Informed consent of the patient and his written acceptance to take this treatment with full
329 knowledge of the risks involved.

330

331 - Appropriate medical monitoring.

332

333 - The patient is informed of the possibility of non-reimbursement of the prescription.

334

335 Under these conditions, the off-label prescription is legitimate and ethically defensible, but it will
336 remain an off-label prescription and in this sense always entails some risk if something goes wrong

337 and there are serious adverse reactions (e.g., a drowsy patient who falls asleep at the wheel of his
338 car and causes an accident).

339

340 **Consent for Treatment with Baclofen (to be filled and signed by the patient before treatment**
341 **initiation)**

342

343 - I hereby certify that I have received from Dr. X detailed information regarding the treatment with
344 baclofen in high doses (HD) to treat my problems with alcohol.

345

346 - I know that this treatment has not received formal authorization from the competent authorities. I
347 want to take this treatment despite the potential side effects because so far I have not found any
348 effective solution to my problems with alcohol.

349

350 - I understand that the main side effects are: drowsiness, fatigue, headaches, dizziness and sleep
351 disturbance. In rare cases, delirium may occur. Dr. X has informed me that this state of mental
352 confusion requires stopping the increase of doses and perhaps stopping treatment.

353

354 - I have clearly informed Dr. X of all my medical history, so that he could determine whether
355 particular rules of caution should be applied to my baclofen prescription.

356

357 - Due to possible withdrawal symptoms upon discontinuation of baclofen, I know that one should not
358 abruptly stop taking baclofen, but gradually decrease as instructed by Dr. X.

359

360 - I undertake not to drive my car or use dangerous machinery for at least the time of the increase in
361 dosage and to resume such activities only in consultation with Dr. X.

362

363 - I undertake to follow scrupulously the directions and prescriptions made by Dr. X and to keep
364 him/her informed of the difficulties and problems that may occur during this treatment.

365

366 - Should I encounter serious problems related to this treatment, I strongly urge my relatives not to
367 initiate legal proceedings against Dr. X (this point is not unanimous among prescribers).

368

369 - I have had sufficient time to make my decision to undergo this treatment.

370

371 _____ “read and approved”

372

373 NAME

374

375 Date

376

377

378 **Baclofen treatment schedule**

379

380 There is no prescription schedule (titration) for baclofen which has absolute validity and each doctor
 381 can prescribe it differently. The simplest way to prescribe baclofen, and probably the most widely
 382 used, consists in giving one more tablet (10mg) every three days, tid (morning, noon and evening)
 383 (reaching approximately 100mg per month). We propose below another schedule, a cautious qid
 384 schedule. This prescription schedule is a pattern we have adopted by consensus, without claiming
 385 that this is necessarily the best regimen.

386

387 **Schedule with four doses per day**

388

389 **Baclofen 10mg (up to 200mg/day)**

390

Day	8 a.m.	1 p.m.	6 p.m.	At bedtime	Total
D1 D2 D3 D4 D5	½	/	/	½	1
D6 D7 D8 D9D10	½	½	½	½	2
D11 D12D13 D 14 D15	1	½	½	1	3
D16D17 D18 D19 D20	1	1	1	1	4
D21 D22 D23 D24 D25	1½	1	1	1½	5
D26 D27 D28 D29 D30	1½	1½	1½	1½	6
D 31 D32 D33 D34 D35	2	1½	1½	2	7
D36 D37 D38 D39 D40	2	2	2	2	8
D41 D42 D43 D44 D45	2½	2	2	2½	9
D46 D47 D48 D49 D50	2½	2½	2½	2½	10
D51 D52 D53 D54 D55	3	3	3	3	12
D56 D57 D58 D59 D60	4	3	3	4	14

D61 D62 D63 D64 D65	4	4	4	4	16
D66 D67 D68 D69 D70	5	4	4	5	18
D71 and following	5	5	5	5	20

391

392 - Do not shorten the stages to less than 3 days even if treatment is well tolerated.

393 - Extend the duration of the stages beyond 5 days if levels of drowsiness or some other bothersome
394 side effect has not disappeared.

395 - If unbearable side effects occur, reduce the dosage to the level below, wait a week or 2, and
396 increase slowly the dosage using half-tablets. In case of recurrence of these events, you must not
397 increase the dose, you stick to the dose that does not cause these effects, and see your physician.

398 - Do not stop taking baclofen abruptly, but gradually decrease over 10-15 days.

399 - If there is a strong urge to drink, take 10mg (1 tab.) of baclofen, or more.

400 - Do not drive your car during the increase of dosage.

401

402 **References:**

403

404 Agabio R, Marras P, Addolorato G, Carpiello B, Gessa GL. Baclofen suppresses alcohol intake and
405 craving for alcohol in a schizophrenic alcohol-dependent patient: a case report. *J Clin*
406 *Psychopharmacol* 2007;27:319-20.

407 Ameisen O, de Beaurepaire R. Suppression de la dépendance à l'alcool et de la consommation
408 d'alcool par le baclofène à haute dose: un essai en ouvert. *Ann Med-Psychol* 2010;168:159-62.

409 Ameisen O. Complete and prolonged suppression of symptoms and consequences of alcohol-
410 dependence using high-dose baclofen: a self-case report of a physician. *Alcohol Alcohol*
411 2005;40:147-5.

412 Ameisen O. *The End of My Addiction*. New York: S Crichton Books, 2008.

413 Bucknam W. Suppression of symptoms of alcohol dependence and craving using high-dose baclofen.
414 *Alcohol Alcohol* 2007;42:158-60.

415 de Beaurepaire R. Suppression of alcohol dependence using baclofen: a 2-year observational study of
416 100 patients. *Front Psychiatry* 2012;3:103.

417 Dore GM, Lo K, Juckes L, Bezyan S, Latt N. Clinical experience with baclofen in the management of
418 alcohol-dependent patients with psychiatric comorbidity: a selected case series. *Alcohol Alcohol*
419 2011;46:714-2.

420 Evans SM, Bisaga A. Acute interaction of baclofen in combination with alcohol in heavy social
421 drinkers. *Alcohol Clin Exp Res* 2009;33:19-30.

- 422 Leung NY, Whyte IM, Isbister GK. Baclofen overdose: defining the spectrum of toxicity. *Emerg Med*
423 *Australas* 2006;18:77-82.
- 424 Paoletti O. La prescription hors AMM. *Neurologie* 2003;6:46-48.
- 425 Pastor A, Jones DM, Currie J. High-Dose Baclofen for Treatment-Resistant Alcohol Dependence. *J Clin*
426 *Psychopharmacol* 2012;32:266-8.
- 427 Rigal L, Alexandre-Dubroeuq C, de Beaurepaire R, Le Jeunne C, Jaury P. Abstinence and 'low risk'
428 consumption one year after the initiation of high-dose baclofen: a retrospective study among
429 'high risk' drinkers. *Alcohol Alcohol* 2012;47:439-42.
- 430 Smith CR, LaRocca NG, Giesser BS, Scheinberg LC. High-dose oral baclofen: experience in patients
431 with multiple sclerosis. *Neurology* 1991;41:1829-31.

432

433 **Acknowledgements**

434 The authors are grateful to David Harris for translating this guide from French.