

## **L'impulsivité et la dépendance à l'alcool chez l'humain : synthèse méthodologique de la littérature (scoping review)**

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## 8. Annexes

### Annexe 1 : Stratégie de recherche dans la base de données PsycInfo

Database: APA PsycInfo <1806 to March Week 3 2022>

Search Strategy:

- 
- 1 Impulsiveness/ (9859)
  - 2 impulsiv\*.ti,ab,id. (27982)
  - 3 Behavioral Inhibition/ (1706)
  - 4 inhibit\*.ti,ab,id. (160804)
  - 5 1 or 2 or 3 or 4 (186243)
  - 6 Alcoholism/ (30586)
  - 7 alcoholism.ti,ab,id. (22222)
  - 8 Alcohol Abuse/ (18857)
  - 9 (alcohol\* adj3 (abuse\* or addict\* or dependen\* or disorder\* or intoxication\*)).ti,ab,id. (46053)
  - 10 (ethanol\* adj3 (abuse\* or addict\* or dependen\* or disorder\* or intoxication\*)).ti,ab,id. (1448)
  - 11 (chronic\* adj3 alcohol\* adj3 intoxication\*).ti,ab,id. (78)
  - 12 (alcohol\* adj3 abuse\* adj3 disorder\*).ti,ab,id. (1322)
  - 13 (alcohol\* adj3 related\* adj3 disorder\*).ti,ab,id. (954)
  - 14 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 (76179)
  - 15 5 and 14 (4154)
  - 16 limit 15 to (human and "300 adulthood <age 18 yrs and older>" and last 3 years) (281)
  - 17 human\*.ti,ab,id. (425701)
  - 18 15 and 17 (439)
  - 19 limit 18 to ("300 adulthood <age 18 yrs and older>" and last 3 years) (23)
  - 20 16 or 19 (281)

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## Annexe 2 : Stratégie de recherche dans la base de données Medline

Database: Ovid MEDLINE(R) ALL <1946 to March 25, 2022>

Search Strategy:

- 
- 1 Impulsive Behavior/ (9241)
  - 2 impulsiv\*.ti,ab,kf. (23435)
  - 3 Inhibition, Psychological/ (12385)
  - 4 inhibit\*.ti,ab,kf. (2562704)
  - 5 1 or 2 or 3 or 4 (2587732)
  - 6 Alcoholism/ (78263)
  - 7 alcoholism\*.ti,ab,kf. (30865)
  - 8 (alcohol\* adj3 (abuse\* or addict\* or dependen\* or disorder\* or intoxication\*)).ti,ab,kf. (58291)
  - 9 (ethanol\* adj3 (abuse\* or addict\* or dependen\* or disorder\* or intoxication\*)).ti,ab,kf. (4578)
  - 10 (chronic\* adj3 alcohol\* adj3 intoxication\*).ti,ab,kf. (475)
  - 11 (alcohol\* adj3 abuse\* adj3 disorder\*).ti,ab,kf. (1223)
  - 12 (alcohol\* adj3 related\* adj3 disorder\*).ti,ab,kf. (1318)
  - 13 6 or 7 or 8 or 9 or 10 or 11 or 12 (122820)
  - 14 5 and 13 (7248)
  - 15 limit 14 to (humans and "all adult (19 plus years)" and last 3 years) (265)

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## Annexe 3 : CASP (Critical Appraisal Skills Programme)



Paper for appraisal and reference:

Section A: Are the results of the study valid?

1. Is the CPR clearly defined?

Yes	<input type="checkbox"/>
Can't Tell	<input type="checkbox"/>
No	<input type="checkbox"/>

- HINT:
- is the type of patients to whom the CPR will be applied clearly defined
  - are the variables included in the rule clearly defined
  - is the outcome relevant and is it clinically reasonable (the outcome can be expressed as a probability or as a course of action)

Comments:

2. Did the population from which the rule was derived include an appropriate spectrum of patients?

Yes	<input type="checkbox"/>
Can't Tell	<input type="checkbox"/>
No	<input type="checkbox"/>

- HINT: Consider
- Is it adequate the way the patients were selected
  - The spectrum of patient, to whom the rule will apply, is represented well

Comments:

3. Was the rule validated in a different group of patients?

Yes	<input type="checkbox"/>
Can't Tell	<input type="checkbox"/>
No	<input type="checkbox"/>

- HINT:
- it's not good enough that the rule had a good performance on the patient group used to derive it. The rule should be validated in a different set of patients
  - the validation was done in a group of patients similar to the one used to derive it

Comments:

Is it worth continuing?

4. Were the predictor variables and the outcome evaluated in a blinded fashion?

Yes	<input type="checkbox"/>
Can't Tell	<input type="checkbox"/>
No	<input type="checkbox"/>

HINT:

- did people evaluating the outcome know the predictor variables
- did people evaluating the predictor variables know the outcome

Comments:

5. Were the predictor variables and the outcome evaluates in the whole sample selected initially?

Yes	<input type="checkbox"/>
Can't Tell	<input type="checkbox"/>
No	<input type="checkbox"/>

HINT:

- are exclusions and drop outs well described and do the authors discuss the reasons for them
- sometimes the outcome cannot be measured in the same way in all patients

Comments:

6. Are the statistical methods used to construct and validate the rule clearly described?

Yes	<input type="checkbox"/>
Can't Tell	<input type="checkbox"/>
No	<input type="checkbox"/>

HINT:

- were all important variables included and the positivity criteria explained
- is the statistical method adequately described
- was the reliability of the rule considered

Comments:

Section B: What are the results?

7. Can the performance of the rule be calculated?

HINT:

- performance results can be presented as: Sens, Sp, +LR, -LR, ROC curve, calibration curves etc.
- sensitivity =  $a/(a+c)$
- specificity =  $d/(b+d)$
- LR+ =  $\text{sens}/(1-\text{sp})$
- LR- =  $(1-\text{sens})/\text{sp}$

	Outcome +	Outcome -
Rule +	a	b
Rule -	c	d

Comments:

8. How precise was the estimate of the treatment effect?

HINT: Think about

- the sample size and the number of variables included in the CPR
- is the rule robust, has there been any attempt to refine it

*(did they try to refine the rule with other variables to see whether the precision could be improved or the rule simplified?)*

Comments:

Section C: Will the results help locally? Are the findings applicable to the scenario?

9. Would the prediction rule be reliable and the results interpretable if used for your patient?

Yes	<input type="checkbox"/>
Can't Tell	<input type="checkbox"/>
No	<input type="checkbox"/>

- HINT: Consider
- is your setting too different from that of the study

Comments:

10. Is the rule acceptable in your case?

Yes	<input type="checkbox"/>
Can't Tell	<input type="checkbox"/>
No	<input type="checkbox"/>

- HINT: Consider
- the ease of use and the availability of the rule and the costs
  - if the rule is reasonable from a clinical point of view

Comments:

11. Would the results of the rule modify your decision about the management of the patient, or the information you can give to him/her?

Yes	<input type="checkbox"/>
Can't Tell	<input type="checkbox"/>
No	<input type="checkbox"/>

- HINT: Consider
- in addition to your opinion, might there be studies analysing the impact (in monetary terms or health results) of the rule
  - if nothing will change, the rule is at best useless in terms of benefit to the patients
  - how the initial estimation has changed after applying the rule, and the effect it has had on the action threshold

Comments: