

## Supplementary Material

**Article Title:** Mixed Features and Nonfatal Suicide Attempt Among Individuals With Major Depressive Episode: Insights From the French MHGP Survey

**Authors:** Hugo Peyre, MD, PhD; Nicolas Hoertel, MD, PhD; Baptiste Pignon, MD, PhD; Ali Amad, MD, PhD; Jean-Luc Roelandt, MD, PhD; Imane Benradia, PhD; Pierre Thomas, MD, PhD; Guillaume Vaiva, MD, PhD; Pierre-Alexis Geoffroy, MD, PhD; Emilie Olié, MD, PhD; Philippe Courtet, MD, PhD

**DOI Number:** 10.4088/JCP.24m15445

### LIST OF SUPPLEMENTARY MATERIAL FOR THE ARTICLE

1. [Table 1](#) Percentage of Endorsement of Manic Symptoms in Participants With Major Depressive Episode (MDE) With Mixed Features
2. [Table 2](#) Multivariate Regression Model Examining the Association of Mixed Features With Suicidal Thoughts, Self-Harm Intention, and Thoughts Of Death, Among Participants With MDE (N=3440)—Models Without Previous History of Suicidal Attempt
3. [Table 3](#) Multivariate Regression Model Examining the Association of Individual Manic Symptoms and the Risk of Suicide Attempt (N=3440)
4. [Figure 1](#) Adjusted Odds Ratios From Bayesian Logistic Regression Models Using MCMC Methods for the Impact of Mixed Features on Recent Suicide Attempt

### DISCLAIMER

This Supplementary Material has been provided by the authors as an enhancement to the published article. It has been approved by peer review; however, it has undergone neither editing nor formatting by in-house editorial staff. The material is presented in the manner supplied by the author.

**Supplementary Table 1.** Percentage of endorsement of manic symptoms in participants with major depressive Episode (MDE) with mixed features.

	<b>MDE with mixed features N=128</b>	
	Non-overlapping contrapolar symptoms	Percentage of symptom endorsement
A1. Have you ever had a period where you felt so elated or full of energy that it caused problems, or that people around you thought you were not in your usual state?	Yes	83.3
A2. Have you ever had a period where you were so irritable that you ended up insulting people, shouting, or even fighting?	No	76.3
B1. Did you need so much physical activity that you couldn't stay still?	Yes	78.2
B2. Did you speak non-stop or so fast that people couldn't understand you?	Yes	58.3
B3. Did your thoughts race so quickly in your head that you couldn't keep up with them?	Yes	76.3
B4. Were you so active that your loved ones worried about you?	Yes	57.1
B5. Did you need less sleep than usual?	Yes	58.9
B6. Did you feel like you could do things that others couldn't, or that you were someone particularly important?	Yes	47.4
B7. Were you so easily distracted that even the slightest interruption made you lose track of what you were doing or thinking?	No	69.9
B8. Did some activities seem so enjoyable or tempting to you that you tended to overlook the risks or difficulties they might entail (such as making impulsive purchases, driving recklessly, etc.)?	Yes	68.6
B9. Were your sexual desires so strong that you engaged in unusual sexual activity for you?	Yes	25.2

**Supplementary Table 2.** Multivariate regression model examining the association of mixed features with suicidal thoughts, self-harm intention, and thoughts of death, among participants with MDE (N=3440). [Models without previous history of suicidal attempt.](#)

		Suicidal thoughts				Self-harm intention				Thoughts of death			
		OR mean	IC95%		p-value	OR mean	IC95%		p-value	OR mean	IC95%		p-value
Age (years)		1,00	0,99	1,00	0,199	0,97	0,97	0,98	0,000	1,02	1,01	1,02	0,000
Sex (ref. Female)		1,01	0,92	1,11	0,842	0,92	0,82	1,05	0,208	0,92	0,85	1,01	0,066
Income level (ref. High)	Low	1,12	0,96	1,30	0,139	1,07	0,89	1,30	0,460	1,17	1,02	1,34	0,021
	Medium	0,91	0,80	1,03	0,132	0,93	0,78	1,10	0,394	0,88	0,79	0,99	0,033
Education (ref. University level)	No education or elementary level	1,16	0,91	1,49	0,226	1,22	0,87	1,72	0,248	1,08	0,87	1,33	0,490
	College level	0,99	0,85	1,14	0,840	1,08	0,88	1,31	0,454	0,97	0,85	1,10	0,600
Marital status (ref. Never married)	Married	0,79	0,69	0,90	0,001	0,75	0,63	0,89	0,001	0,76	0,68	0,86	0,000
	Separated or Widowed	1,28	1,09	1,50	0,002	1,35	1,10	1,67	0,004	1,18	1,03	1,35	0,021
Depressive symptoms severity		1,38	1,29	1,48	0,000	1,48	1,35	1,61	0,000	1,31	1,24	1,39	0,000
Psychotic disorder		1,06	0,97	1,17	0,214	1,06	0,94	1,20	0,335	1,14	1,05	1,23	0,002
Agoraphobia		1,34	1,14	1,56	0,000	1,31	1,09	1,57	0,004	1,32	1,14	1,53	0,000
Panic disorder		1,19	1,05	1,34	0,005	1,33	1,15	1,54	0,000	1,16	1,04	1,29	0,010
SAD		1,02	0,89	1,17	0,821	1,07	0,91	1,27	0,406	1,04	0,92	1,18	0,530
GAD		1,11	0,99	1,23	0,064	1,19	1,03	1,37	0,016	1,10	1,00	1,21	0,039
PTSD		1,39	1,08	1,78	0,010	1,53	1,17	2,01	0,002	1,27	0,99	1,62	0,056
Drug SUD		1,16	0,98	1,37	0,092	1,04	0,86	1,27	0,681	1,08	0,92	1,27	0,348
Alcohol SUD		1,23	1,07	1,42	0,003	1,39	1,18	1,63	0,000	1,24	1,09	1,41	0,001
Sleep problems		1,01	0,91	1,12	0,871	0,98	0,85	1,13	0,766	1,00	0,92	1,10	0,933
Mixed features		1,25	1,02	1,53	0,028	1,45	1,17	1,79	0,001	1,26	1,03	1,52	0,021

In bold p-value < 0.01. SAD: Social Anxiety Disorder; GAD: Generalized Anxiety Disorder; PTSD: Post Traumatic Stress Disorder. SUD: Substance Use Disorder.

**Supplementary Table 3.** Multivariate regression model examining the association of individual manic symptoms and the risk of suicide attempt (N=3440).

	Suicide attempt		
	OR mean	IC95%	p-value
A1. Have you ever had a period where you felt so elated or full of energy that it caused problems, or that people around you thought you were not in your usual state?	<b>1.52</b>	<b>1.12</b> <b>2.06</b>	<b>0.007</b>
A2. Have you ever had a period where you were so irritable that you ended up insulting people, shouting, or even fighting?	<b>1.55</b>	<b>1.17</b> <b>2.06</b>	<b>0.002</b>
B1. Did you need so much physical activity that you couldn't stay still?	<b>1.72</b>	<b>1.26</b> <b>2.35</b>	<b>0.001</b>
B2. Did you speak non-stop or so fast that people couldn't understand you?	1.43	1.01   2.03	0.042
B3. Did your thoughts race so quickly in your head that you couldn't keep up with them?	<b>1.64</b>	<b>1.22</b> <b>2.22</b>	<b>0.001</b>
B4. Were you so active that your loved ones worried about you?	<b>1.59</b>	<b>1.14</b> <b>2.21</b>	<b>0.006</b>
B5. Did you need less sleep than usual?	<b>1.81</b>	<b>1.29</b> <b>2.55</b>	<b>0.001</b>
B6. Did you feel like you could do things that others couldn't, or that you were someone particularly important?	1.58	1.06   2.37	0.026
B7. Were you so easily distracted that even the slightest interruption made you lose track of what you were doing or thinking?	<b>1.55</b>	<b>1.13</b> <b>2.11</b>	<b>0.006</b>
B8. Did some activities seem so enjoyable or tempting to you that you tended to overlook the risks or difficulties they might entail (such as making impulsive purchases, driving recklessly, etc.)?	<b>1.61</b>	<b>1.17</b> <b>2.23</b>	<b>0.004</b>
B9. Were your sexual desires so strong that you engaged in unusual sexual activity for you?	1.36	0.79   2.33	0.264

In bold p-value < 0.01.

**Supplementary Figure 1.** Adjusted odds ratios from Bayesian logistic regression models using MCMC methods for the impact of mixed features on recent suicide attempt.

