

## EPP1418

**Individual factors associated with suicidal recurrence in patients of southern tunisia**

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**Introduction:** Nowadays, suicide is a global public health problem thus detection of risk factors more specifically individual factors can be used as a method for prevention and intervention.

**Objectives:** The aims of our study were to assess the incidence of suicidal recurrence and its individual associated factors.

**Methods:** A retrospective descriptive and analytical study was undertaken including all patients consulting for the first time at Gabes psychiatry department (in southern Tunisia) from the 4<sup>th</sup> March 2009 to the 25<sup>th</sup> September 2020 for suicidal attempt. Sociodemographic and clinical data as well as suicidal attempts' characteristics were assessed. The statistical analysis was executed on the software SPSS (20<sup>th</sup> edition).

**Results:** 278 patients were collected including 217 female. The mean age was 26. Suicidal patients were unmarried (75.9%), childless (79.1%) and unemployed (47.5%). The common suicidal attempt method was voluntary drug intoxication (67.8%). Interference of individual factors was reported in 77% of cases, especially difficulties to cope with stress (46.4%), followed by low self-esteem (36.5%), personal psychiatric history (17.3%), personal medical history (8.3%) and alcohol or drug abuse (6.1%). A suicidal re-attempt was noted in 24.9 % of cases. Recurrence was associated with the female gender (72.4%), difficulties to cope with stress ( $<10^{-3}$ ) and low self-esteem ( $p=0.012$ ).

**Conclusions:** After the first suicidal attempt, it's crucial to identify the individual factors that seems to have an influence on subsequent suicidal behaviour in order to ensure a proper treatment.

**Keywords:** suicidal attempts; suicidal recurrence; individual factors; Suicide prevention

## EPP1416

**Warning signs of suicide attempts and risk of suicidal recurrence**

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**Introduction:** Detecting warning signs of suicide attempts is a particular difficult task. However, people who plan to commit suicide almost always announce it to someone in some way.

**Objectives:** Aims of this study were to describe signs preceding the suicide attempt in a group of suicidal persons and its links with suicidal recurrence.

**Methods:** It was a retrospective study that included all the patients who attempted suicide during the period from May 1st, 2009 to September 25th, 2020 and who were referred to the psychiatry department of the regional hospital of Gabes. Sociodemographic and clinical data as well as suicidal attempts characteristics were assessed.

**Results:** 278 patients were included (female=78.1%), with mean age of 26. The common suicidal attempt method was intentional drug intoxication (67.8%). At least, one clinical manifestation was reported by 75.2% of suicide patients. The most common signs were the tendency to isolation (47.1%), a change in character or behavior (46.6%), thoughts of death (29.6%), anxiety or agitation (24.8%) and recent worsening of the pre-existing psychiatric symptoms (24.3%). Suicidal recurrence affected 24.8% of patients. It was correlated to the presence of a mental disorder ( $p<10^{-3}$ ), the presence of reflections on death ( $p=0.02$ ), the onset of a state of anxiety or agitation ( $p<10^{-3}$ ), recent worsening of pre-existing psychiatric symptoms ( $p = 0.001$ ) and verbal expression of suicidal thoughts ( $p<10^{-3}$ ).

**Conclusions:** The pre-suicidal syndrome is frequently heralded by changes in the patient's character or behavior. Some suicidal warning signs are associated with the risk of suicidal recurrence.

**Conflict of interest:** No significant relationships.

## EPP1418

**Relationship to pain and suicidal-related experience: Validation of discomfort intolerance scale and the pain catastrophizing scale in russian female adolescents**

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**Introduction:** Perception of and relationship to pain are considered as important factors of suicidal behavior (Joiner, 2005, Klonsky & May, 2015, O'Connor & Kirtley, 2018, Galynker, 2017). Some studies of pain demonstrated that there are common mechanisms of emotional and physical pain (DeWall & Baumeister, 2006, MacDonald & Leary, 2005, Eisenberger, Lieberman, & Williams, 2003).

**Objectives:** The aim was to validate Discomfort Intolerance Scale and Pain Catastrophizing Scale on the female adolescent sample and to reveal their relationship to suicidal experience.

**Methods:** 183 adolescents females (13-21 years old) filled Discomfort Intolerance Scale (Schmidt, Richey, & Fitzpatrick, 2006) and The Pain Catastrophizing Scale (Sullivan, Bishop, & Pivik, 1995). Then they replied to items related to their own or their friends' suicidal experience.

**Results:** Factor analysis for PCS explained 73.6% of variance with Cronbach's alphas .77-.91. Factor analysis of DIS explained 67.1% of variance with Cronbach's alphas .63-.70. There were no relationships between suicidal-related experience and pain-related experience.