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ECR 2022 / C-15525

Claustrophobia and Anxiety in Magnetic Resonance Imaging

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Purpose

The main goal of this research was to evaluate the anxiety and claustrophobia levels in patients undergoing Magnetic Resonance Imaging of the Head, Extremities and Breast. The specific objectives were: Understand if the anatomical region of the exam (Head, Extremities or Breast) influences the anxiety and claustrophobia levels
Understand if prior MRI examinations influence the anxiety and claustrophobia levels
Understand if age, gender and education status influences the anxiety and claustrophobia levels

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Methods and materials

Data was collected in the Algarve University Hospital. State Trait Anxiety Index Form Y (STAY) and the Claustrophobia Questionnaire (CLQ) were used to measure anxiety and claustrophobia, respectively. Sampling of patients was done by convenience and the instruments were applied to patients that agreed to participate. Participation was solicited in the waiting room, prior to MRI examination Informed consent for participation Sociodemographic questionnaire STAI - Form Y-1 (State Anxiety) (20 items) CLQ (26 items) Data was analysed using SPSS version 26 and Kolmogorov/Smirnov and Pearson...

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Results

In this research, 76 patients agreed to participate. The Internal Consistency assessed by the Chronbach's Alpha was high (STAI - 0,916; CLQ - 0,960). The mean age was 46 years (28,9% → 50-57 years old) and 73% of the participants were females. Regarding education level of the sample, the distribution was as follows: High School (12 years) - 30% 3rd Cycle (9 years) - 25% Elementary school (4 years) - 18% University level (variable) - 17% 2nd Cycle (7 years) - 10% Most of the participants had prior...

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Conclusion

The main conclusions of this research were that anxiety is positively correlated with

claustrofobia. Also, the female gender is associated with higher levels of both anxiety and claustrofobia.

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Personal information and conflict of interest

B. Lopes: Nothing to disclose K. B. Azevedo: Nothing to disclose A. F. C. L. Abrantes: Nothing to disclose S. I. Rodrigues: Nothing to disclose L. P. V. Ribeiro: Nothing to disclose B. Vicente: Nothing to disclose R. P. P. Almeida: Nothing to disclose

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