

EV1399

A glance at potential neuropsychological theories and explanations for the higher creative functioning of Leonardo da Vinci

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Introduction It has been universally regarded that Leonardo da Vinci was one of the all time geniuses in terms of his contribution to art and sciences. A number of theories have been proposed to explain his genius that range from neurological, psychological uniqueness, and enhanced functional intelligence.

Aim The primary aim is to explore these theories in detail and register their pros and cons alongside contextualizing their credibility and weightage against the extant evidence in science.

Method A detailed literature search has been undertaken to identify variety of models and theories either:

- dealing with neurological, psychological or neuro-philosophical explanations;
- have been proposed by psychiatrist or psychologist and neurologists pertaining to Leonardo's brain or mind;
- theories around occult and religion have been excluded.

Discussion The results are synthesized and presented in a tabular form. The discussion expands on the various theories and the relevance of Leonardo da Vinci to the merging unified field of neurology, psychology, technology and philosophy (consciousness studies)

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EV1400

Formal caregivers' perceptions of working in a home-based care for elderly

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Introduction Population aging is an issue increasingly gaining more prominence, as evidenced by the number of inquiries regarding the "problems" that this entails for society. This leads to a need to understand the role of caregiver for the elderly as the central figure of support in old age.

Aim The purpose of this study was to describe formal caregivers' perceptions of working conditions, difficulties and factors associated with quality of care in a Portuguese home-based care for elderly.

Methods The participants were 8 formal caregivers whose profession falls under the categories of Direct Action Helper and Auxiliary Workers. The data were collected through individual face-to-face interviews and analysed using a content analysis following Bardin's method.

Results The results show that the sample is female, aged from 32 to 53 years, with a professional exercise time between 8 and 16 years. Regarding the main conclusions of our research, we can say that our group of participants has a strong sense of team work which contributes to avoid situations of physical and emotional exhaustion; mostly caregivers can separate their personal and professional lives; there are some difficulties in communication between the caregivers and the elderly, however the most difficult situations are usually overcome due to the caregiver's understanding of the characteristics of institutionalized elderly; the matter of death is frequently seen as the most difficult situation to face.

Conclusions The caregivers should have an awareness of the importance of kindness and respect, supporting positive thoughts and help the older people to retain control over their lives.

Disclosure of interest The authors have not supplied their declaration of competing interest.

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EV1401

The meaning of fatigue compassion in the context of healthcare

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Introduction Studies confirm that caregivers play host to a high level of compassion fatigue. Day in, day out, nurses struggle to function in care giving environments that constantly present heart wrenching, emotional challenges.

Aim This concept analysis will aim to capture the current meaning of fatigue compassion in the context of healthcare and explore how it may be recognised and measured in education and clinical practice.

Methods Using the same search terms, findings from a literature search in 2000 and from a follow-up search in 2014 were used to conduct the concept analysis. The Walker and Avant theoretical framework was used to develop a model case of fatigue compassion in nursing care. The attributes, antecedents, consequences and references were delineated.

Results Four attributes of fatigue compassion were delineated. (1) Perceptual incongruence and appraising defines how an individual perceives role demand in relation to capabilities or resources. (2) Multidimensionality consists of physiological and psychological effects on a person. (3) Interactional feedback is the experienced acknowledgement/validation communicated by others during compassionate stressful situations at a workplace. (4) Response pattern describes the coping mechanisms used by an individual experiencing fatigue compassion.

Conclusions The concept analysis of fatigue compassion among nurses at the workplace recognized the vulnerability of the nursing discipline towards distress in general. There needs to be greater research within the field of role stress and nursing, specifically in the development of scales or tools to assist in the identification of fatigue compassion amongst nurses.

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Bobby Fischer: Chess, genius and madness at the height of the cold war

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Introduction Directed by Edward Zwick "Pawn Sacrifice" is a biographical film released on September 2015. The film stars Tobey Maguire as Bobby Fischer, the American World Chess Champion, considered one of greatest player of all time. His career's peak was in 1972 when he captured the World Chess Championship from Boris Spassky of the USSR.

Aims We tried to dig a little in the biography of Bobby Fischer who many described as mentally ill. We tried to figure out what is reality