


INSELSPITAL
UNIVERSITÄTSPITAL BERN
HOSPITAL UNIVERSITAIRE DE BERNE
BERN UNIVERSITY HOSPITAL



**Körper-Psyche-Interaktionen:
das biopsychosoziale Modell**

Prof Dr med Selma Aybek

ENI-TNF
SWISS NATIONAL SCIENCE FOUNDATION

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**DSM-5 (2013) Conversion Disorder
(Functional Neurological Symptom Disorder)**

Diagnostic Criteria

A. One or more symptoms of altered voluntary motor or sensory function.
B. Clinical findings provide evidence of incompatibility between the symptom and recognized neurological or medical conditions.
 C. The symptom or deficit is not better explained by another medical or mental disorder.
 D. The symptom or deficit causes clinically significant distress or impairment in social, occupational, or other important areas of functioning or warrants medical evaluation.

Coding note: The ICD-9-CM code for conversion disorder is **300.11**, which is assigned regardless of the symptom type. The ICD-10-CM code depends on the symptom type (see below).

Specify symptom type:
(F44.4) With weakness or paralysis
(F44.4) With abnormal movement (e.g., tremor, dystonic movement, myoclonus, gait disorder)
(F44.4) With swallowing symptoms
(F44.4) With speech symptom (e.g., dysphonia, slurred speech)
(F44.5) With attacks or seizures
(F44.6) With anesthesia or sensory loss
(F44.6) With special sensory symptom (e.g., visual, olfactory, or hearing disturbance)
(F44.7) With mixed symptoms

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dissoziativ

KONVERSION

hysterisch

psychogen

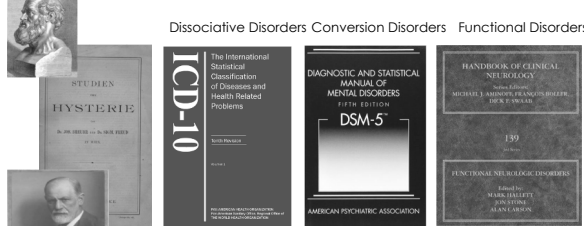
funktionell

psychosomatisch

3

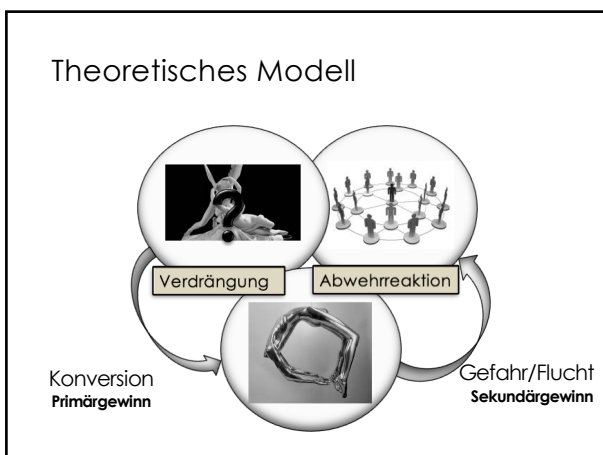
Hippocrates (400 BC)

Dissoziative Disorders Conversion Disorders Functional Disorders



Sigmund Freud (1895)

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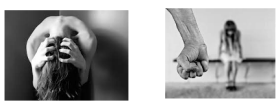
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Psychogen?

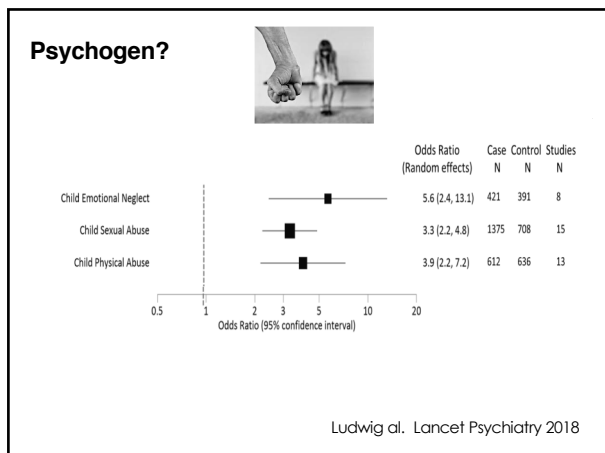
Stressful life events and maltreatment in conversion (functional neurological) disorder: systematic review and meta-analysis of case-control studies

Lancet Psychiatry 2018
Published Online March 8, 2018

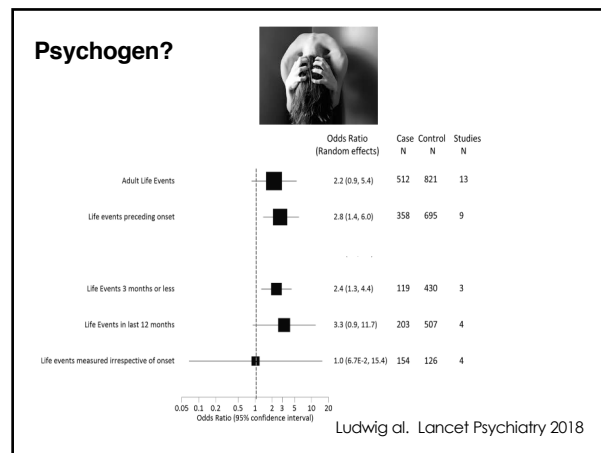
Lea Ludwig, Joelle A Pasman, Timothy Nicholson, Selma Aybek, Anthony S David, Sharon Tuck, Richard A Kanaan, Karim Roefofs, Alan Carson, Jon Stone



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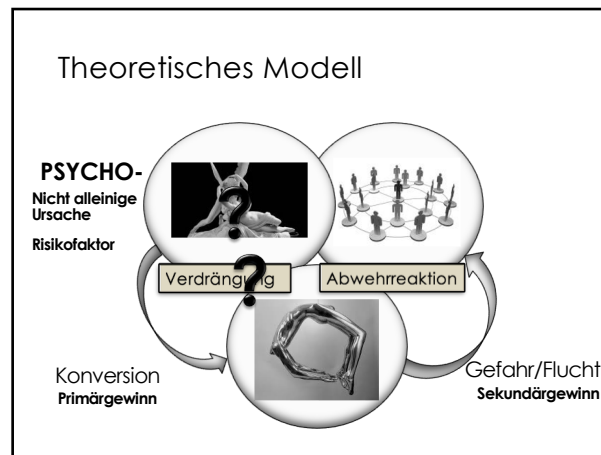


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Table 3: Proportion of cases with no exposure to specific stressors when compared with controls

Category	Cases	Healthy controls	Neurological disorder or psychiatric disorder controls
No severe life event (assessed by 4000)			
Baker and colleagues (2012)**	26%	86%	78%
House and colleagues (1988)**	22%	75%	-
Nicholson and colleagues (2016)**	16%	56%	25%
No stressful life events or maltreatment (assessed by clinical interview)			
Arnold and colleagues (1996)**	14%	-	67%
Kochanska and colleagues (2011)**	25%	88%	-
Schneiders and colleagues (2013)**	51%	75%	-
No stressful life events or maltreatment (rate of no exposure described only in cases)			
Roth and colleagues (1999)**	68%	-	-
Roebers and colleagues (2002)**	35%	-	-
No exposure to maltreatment (including emotional neglect)			
Koyk and colleagues (1999)**	56%	-	75%
Makoby and colleagues (2002)**	70%	-	83%
No exposure to physical or sexual abuse			
Alper and colleagues (1993)**	68%	91%	-
Dikel and colleagues (2003)**	62%	-	50%
Togak and colleagues (2007)**	56%	-	67%

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Repression unwanted memories

nature 2001
Science AAAS

Suppressing unwanted memories by executive control
 Michael C. Anderson & Collin Green

Neural Systems Underlying the Suppression of Unwanted Memories
 Michael C. Anderson, et al.
 Science 303, 232 (2004).
 DOI: 10.1126/science.1089504

↗ DLPFC and ↘ hippocampus

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Repression unwanted memories

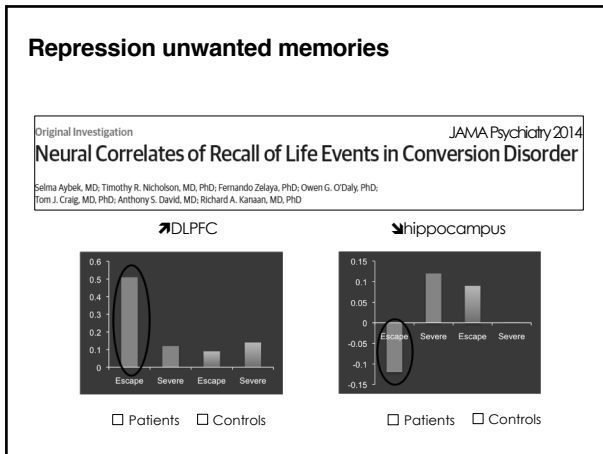
Original Investigation JAMA Psychiatry 2014
Neural Correlates of Recall of Life Events in Conversion Disorder
 Selma Aybek, MD; Timothy R. Nicholson, MD, PhD; Fernando Zelaya, PhD; Owen G. O'Daly, PhD; Tom J. Craig, MD, PhD; Anthony S. David, MD; Richard A. Kanaan, MD, PhD

Life event and Difficulties Schedule (LEDS)

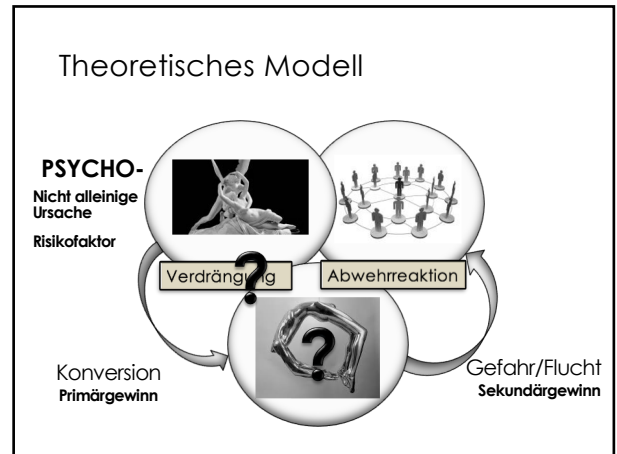
- 'Psychological Stressor'
 - Severe + Secondary gain
- 'Control Stressor'
 - Severe + No secondary gain

ESCAPE event
 SEVERE event

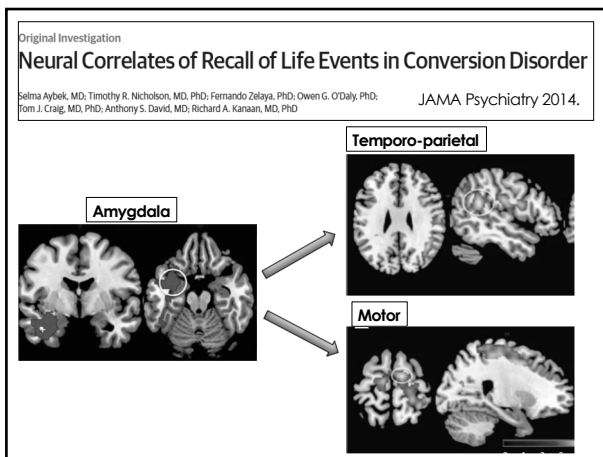
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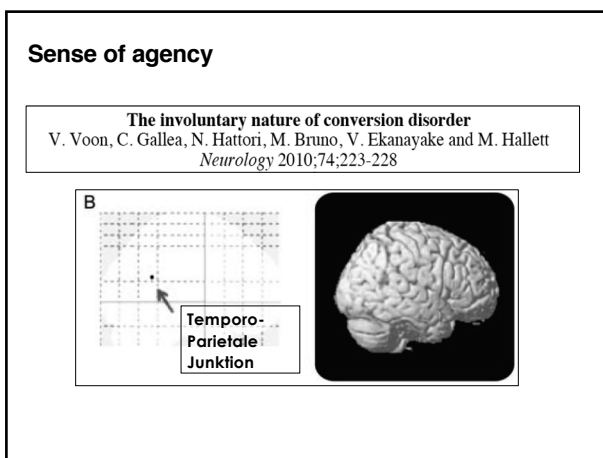


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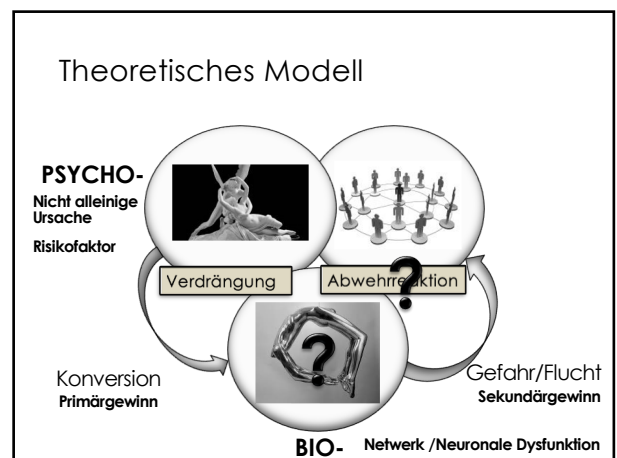
Invited review
Volitional control of movement: The physiology of free will ☆
 Mark Hallett*
 Human Motor Control Section, National Institute of Neurological Disorders and Stroke, NIH,
 Building 10, Room 5N226, 10 Center Dr MSC 1428, Bethesda, MD 20892-1428, USA

Clin Neurophys 2007

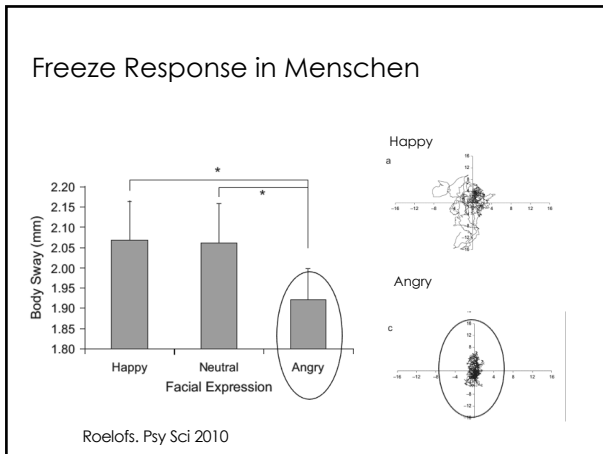
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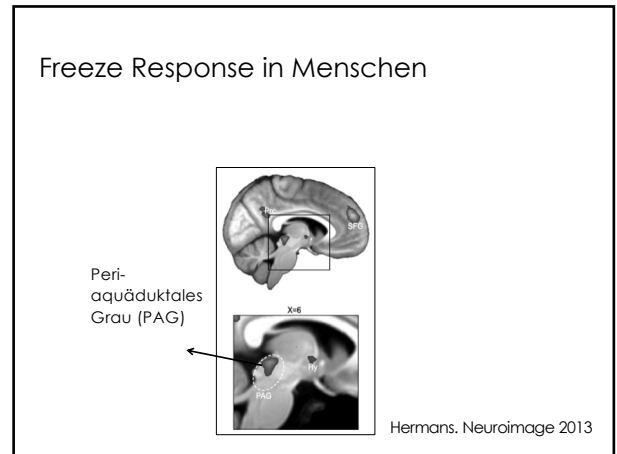
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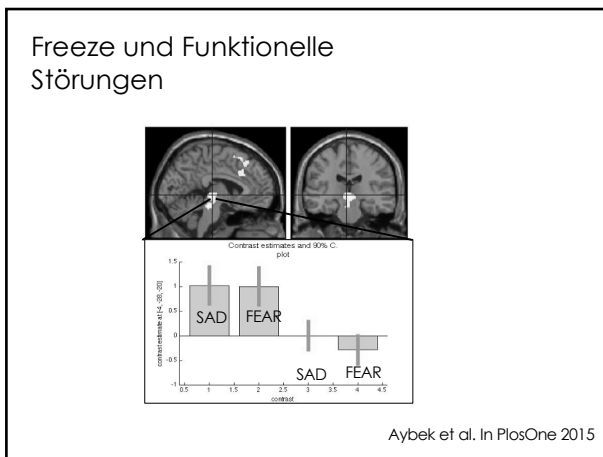
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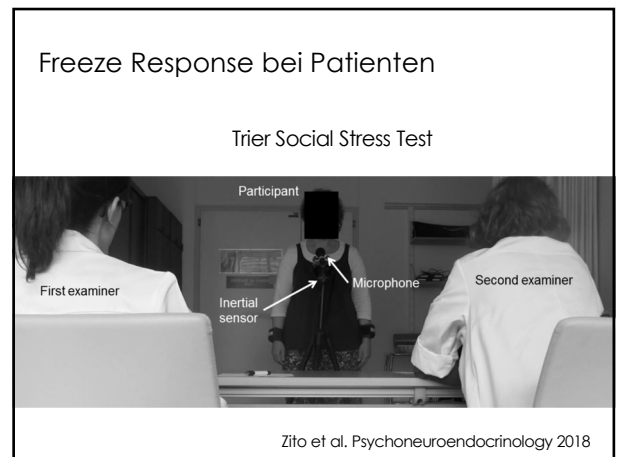
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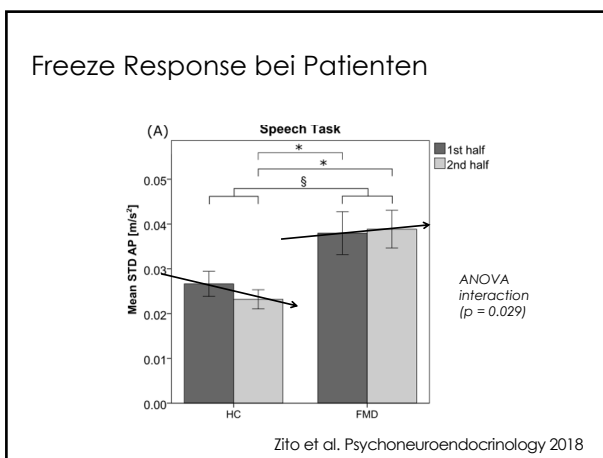
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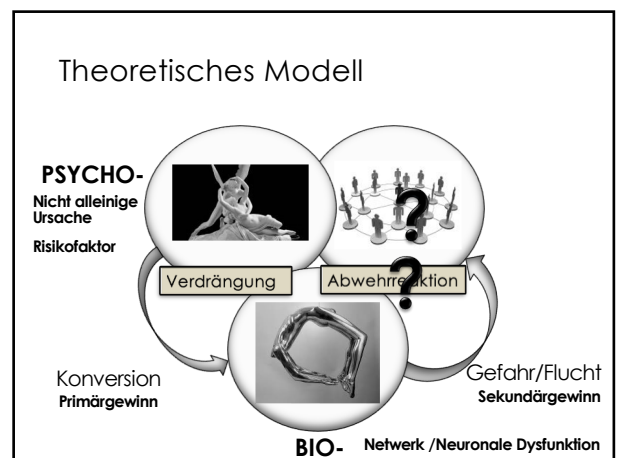
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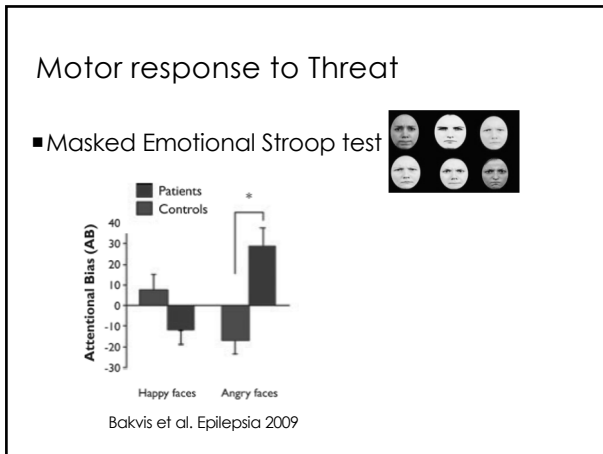
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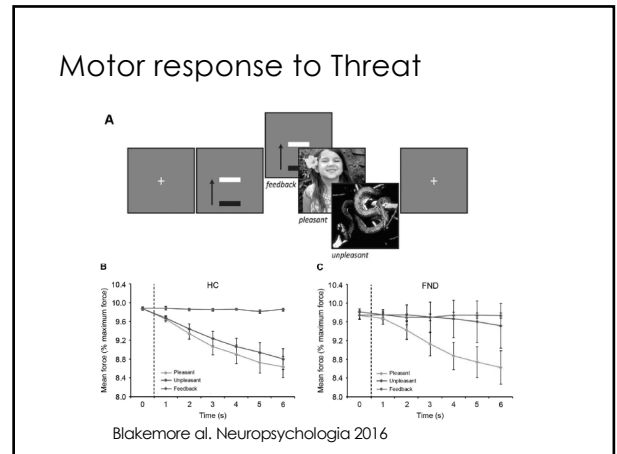
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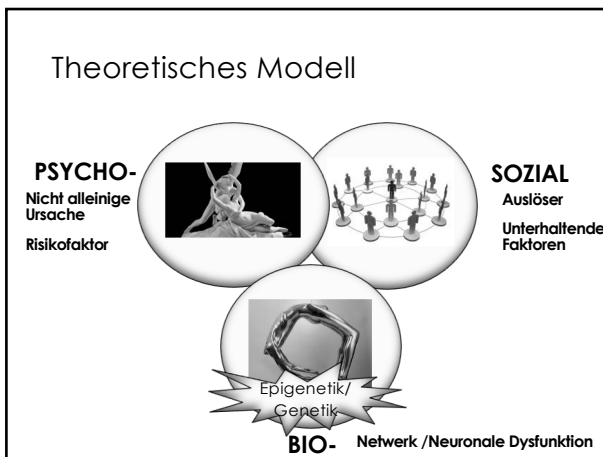
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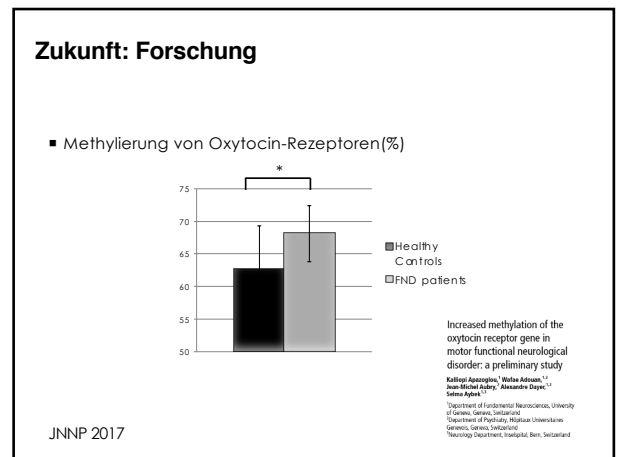
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Zukunft: Forschung

Movement disorders

ORIGINAL RESEARCH

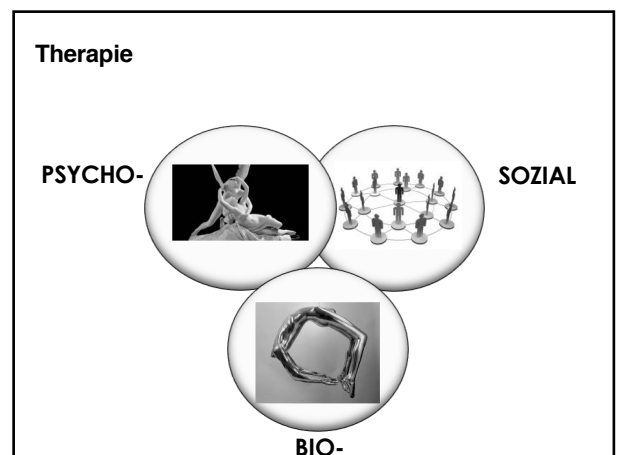
OPEN ACCESS

Effects of *TPH2* gene variation and childhood trauma on the clinical and circuit-level phenotype of functional movement disorders

Primavera A Spagnolo,¹ Gina Norato,² Carine W Maurer,³ David Goldman,⁴ Colin Hodgkinson,⁴ Silvina Horowitz,¹ Mark Hallett,¹


JNNP 2020

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Therapie

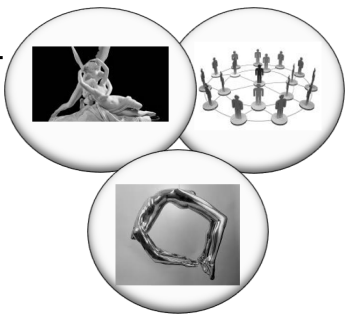


- 1 Neurologie/Medizin
- 2 Physiotherapie
- 3 Psychotherapie

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Therapie

Psychotherapie

PSYCHO-  SOZIAL

Physiotherapie BIO- Neurologie/Medizin

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Therapie: Interdisziplinär

- Stationär

ORIGINAL COMMUNICATION

Multidisciplinary treatment for functional neurological symptoms: a prospective study

Benedetta Demartini · Amit Batla · Panayiota Petroschilos · Linda Fisher · Mark J. Edwards · Eileen Joyce

J Neurol 2014

- Ambulant

Efficacy of brief interdisciplinary psychotherapeutic intervention for motor conversion disorder and nonepileptic attacks²²

M. Hubschmid^a, S. Aybek, MD^b, G.E. Maccaferri, MD^a, O. Chocron^a, M.M. Gholamrezaee, A.O. Rossetti, MD^b, F. Vingerhoets, MD^b, A. Berney, MD^{a,b*}

Gen Hosp Psy 2015

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Unser Intensives
Program



**Eröffnung 03.05.2021:
4 neue Betten !!**



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Danke !

<p>Research Team</p>  <p>Samantha Weber Janine Bühler Fabian Messmer Kallia Apazoglu Jennifer Wegzyk</p>	<p>Clinical Team</p>  <p>Anita Barbey Irena Planic Rike Barth Helene Studer Doris Malpeli</p>
<p>Collaborations</p>  <p>Pierre Pollak Alexandre Dayer Patrik Vuilleumier Rebekah Blakemore Indrit Sinanaj</p>	<p>Richard Kanaan Anthony David Tim Nicholson Fernando Zelaya Owen O'Daly</p> <p>Francois Vingerhoets Corinna Daum Alexandre Berney Monica Hubschmid</p> <p>Dimitri Van de Ville Kamiar Aminian Anisoara Ionescu</p>

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