

Herhaling - wat is PTSS in 2019?

1. Angststoornis → **Trauma en stressor gerelateerde stoornis**
2. Etiologische stoornis
3. Met subjectieve klachten en symptoomscores op
 - Intrusies/herbeleving
 - Vermijding/verdooving
 - Cognities
 - Hyperarousal/prikkelbaarheid
4. Impact op functionele gebieden
 - Stress regulatie
 - Geheugen en **cognitie**
 - Emotionele regulatie
 - **Dissociatie (derealisatie en depersonalisatie)**



PTSD in DSM5 - CAPS

Criteria*	Description	Specific examples
Criterion A	Exposure to stressor	- Direct exposure - Witnessing trauma - Learning of a trauma - Repetitive or extreme indirect exposure to traumatic details
Criterion B	Intrusion symptoms	- Recurrent memories - Recurrent nightmares - Recurrent distressing thoughts - Psychological distress or physiological reactions to reminders - Marked physiological reactivity to reminders
Criterion C	Persistent avoidance	- Trauma-related thoughts or feelings - Trauma-related social reminders such as people, places or activities
Criterion D	Negative alterations in cognitions and mood	- Distorted thinking - Persistent negative beliefs and expectations - Persistent distorted blame of self or others for causing trauma - Negative trauma-related emotions: fear, horror, guilt, shame and anger - Diminished interest in activities - Diminished or exaggerated responsiveness - Diminished or exaggerated positive emotions
Criterion E	Alterations in arousal and reactivity	- Irritability and aggressive behavior - Startle response and excessive fearfulness - Exaggerated startle - Exaggerated startle - Exaggerated startle - Exaggerated startle - Exaggerated startle
Criterion F	Duration	Most symptoms criteria (B, C, D) and/or (E) for ≥ 1 month
Criterion G	Functional significance	Impairment in social, occupational or other domains
Criterion H	Exclusion	Not attributable to medication, substance use or other illness

Subtypes

- * Dissociative subtype: used when depersonalization and derealization occur in tandem with other symptoms described above.
- * Delayed subtype: used to describe the emergence of symptoms following a period post trauma in which symptoms were not present or were present at a subthreshold level.



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Self Assessments

- **Vragenlijst naar Belastende Ervaringen (VBE)** (Traumatic Experiences Questionnaire, TEC) is vooral gericht op het bepalen van type II verwaarlozing en mishandeling (Nijenhuis, e.a. 1998).
- **De Trauma Screening Questionnaire (TSQ)** (Oorspronkelijke versie: Brewin e.a. 2002)
- **De Impact of Event Scale (IES)** (Oorspronkelijke versie: Horowitz, Wilner en Alvarez (1979); Nederlands vertaling: Brom en Kleber (1985) De lijst is vrij beschikbaar via Kleber
- **De Impact of Event Scale Revised (IES-R)** of **Schokverwerkingslijst 22 of R (SVL-22, SVL-R)** (Oorspronkelijke versie: Weiss en Marmar, 1997)
- **Davidson Trauma Scale (DTS)** (Oorspronkelijke versie: Meltzer-Brady, Churchill, & Davidson, 1999)
- **Self-Rating Scale for PTSD (SRS-PTSD)** (Oorspronkelijke versie: Structured Interview for PTSD, SI-PTSD, Davidson e.a. 1989; Nederlands vertaling: Carlier, Lamberts, Van Uchelen & Gersons, 1998)
- **PSS-SR** (Oorspronkelijke versie: Foa, Riggs, Dancu, & Rothbaum, 1993)
- **Harvard Trauma Questionnaire (HTQ)** (Oorspronkelijke versie: Mollica et al., 1992)
- **Zelfinventarisatie Posttraumatische Stressstoornis (ZIL, Self-Rating Inventory for Posttraumatic Stress Disorder, SRIP)** (Oorspronkelijke versie: Hovens, van der Ploeg, Bramsen, Klaarenbeek, Schreuder, & Rivero, 1994)

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Assessments

Algemene interviews

- Structured Clinician Interview for DSM-IV Diagnostic Interview Schedule (DIS; Robins e.a., 1981)
- Diagnostic Interview Schedule (DIS; Robins e.a., 1981)
- De MINI-International Neuropsychiatric Interview (MINI, Sheehan et al., 1998).
- Composite International Diagnostic Interview (WHO, CIDI, 1990).
- **Specifieke op PTSS gerichte gestructureerde interviews**
 - Clinician Administered PTSD Symptom scale (CAPS; Blake e.a., 1995),
 - The Structured Interview for PTSD (SI-PTSD; Davidson et al, 1989),
 - PTSD Interview (PTSD-I; Watson e.a., 1991),
 - PTSD Symptom Scale Interview (PSS-I; Foa e.a., 1993).
 - Treatment-Outcome Posttraumatic Stress Disorder Scale (TOP-8; Davidson & Colket, 1997),
 - Short Posttraumatic Stress Disorder Rating Interview (SPRINT; Connor & Davidson 2001).

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DSP-I

Dissociative Subtype in PTSD Interview (DSP-I)
FOR DSM-5

Name: _____ ID# _____
Age: _____ ID# _____
Gender: _____
Highest education: _____
Interviewer: _____

Authors: Marken B. Eshkol, F. Jackie Jurek, Heidi, Ruth A. Lantieri, De Looze, David Spiegel & Eric Vermetten
March 10, 2016
For use and more information please contact: M.Eshkol@mcgill.ca

Scoring Section 1

Dissociative subtype	Yes	No (Yes = 2 PT)
1. Disconnection from the self	0-NO	1-YES
2. Watching self as if another person	0-NO	1-YES
3. Body parts not belonging to the self	0-NO	1-YES
4. Feeling mechanical	0-NO	1-YES
5. Own voice sounds remote and unreal	0-NO	1-YES
6. Surroundings unreal, strange or unfamiliar	0-NO	1-YES
7. Seeing the world through a fog, or as if in a bubble or behind glass	0-NO	1-YES
8. Seeing the world from a distance	0-NO	1-YES
9. Surroundings become distorted	0-NO	1-YES
Total score	736*	736*

Meets Dissociative subtype diagnosis: 736* ≥ 2

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Risicofactoren voor PTSS

Timepoint	Risk factor	Protective factor
BEFORE	- Psychiatric history - Childhood abuse - Family psychiatric history - Earlier stressful life events - Prior (repeated) exposure to critical incidents at work	- Training and preparation to deal with threats or dangers - Pre-existing personality characteristics such as low neuroticism, hardness
DURING	- Level of exposure - Experienced life threat - Physical injury - Disasters caused by a malicious intent/human failure - Peri-traumatic dissociation	
AFTER	- Continued media exposure - Legal procedures - Routine work environment stress - Blaming others, inducing guilt - Wrong jokes	- Perceived support from family, friends, colleagues - Perceived support

Alexander & Klein, 2005; Benetou et al., 2013; Breslin, 1998; Brewin, Andrews, & Valentine, 2000; Horowitz, Wagner, Schell, Norcini, Neffman, & Elbert, 2005; Jurek et al., 2016; Kleber & van der Werf, 2005; Lantieri et al., 2013; Marmar et al., 2006; McFarlane & Bryant, 2007; Ozer, Best, Linn, & Brown, 2003; Perre et al., 2014; van der Ploeg, & Kleber, 2000; Wagner, Schell, Norcini, Neffman, & Elbert, 2005; Wessely & Turner, 2000.

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PTSS representeert een specifiek fenotype

‘PTSD representeert een specifiek fenotype dat is geassocieerd met een onvermogen om te herstellen van de normale effecten van een schokkende gebeurtenis’
(Yehuda and Ledoux, 2007)

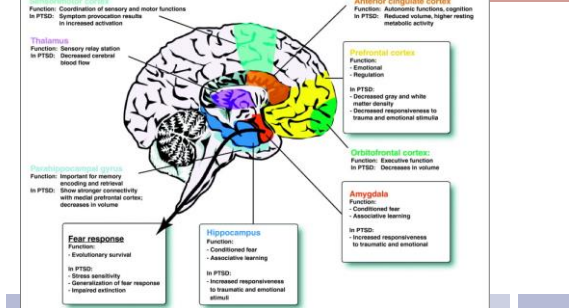
zowel in cognities als in psychofysiologie



Vier decennia van PTSS sinds introductie in DSM-III

Decennium	Discipline/domein	Ontwikkeling
Eerste decennium 1980-1990	Epidemiologie	- 'Ruwe' prevalentie van de stoornis
	Biologie	- Validatie van de stoornis; relatie met modellen van experimentele stress inductie
	Psychotherapie	- Gericht op stress reductie, klassieke psychotherapie, nog weinig gecontroleerde studies
	Farmacotherapie	- Experimentele open label studies
Tweede decennium 1990-2000	Epidemiologie	- State-of-the-art epidemiologische studies, (lifetime prevalentie 8%)
	Biologie	- Toename interdisciplinaire interesse
	Psychotherapie	- Cross-sectionele studies, nín met structurele beeldvorming met MRI
	Farmacotherapie	- 'Decennium van de hippocampus' - Ontwikkeling en opkomst van CGT, met trauma focus, exposure gericht
Derde decennium 2000-2010	Farmacotherapie	- SSRI (paroxetine, sertraline)
	Epidemiologie	- Meer specifieke cohort studies, discrete focus groepen
	Biologie	- Toename in kennis neuronale circuits, genetica, toegenomen resolutie beeldvormend onderzoek, opkomst fMRI
	Psychotherapie	- 'Decennium van de amygdala' - Introductie en opkomst EMDR
Vierde decennium 2010-	Farmacotherapie	- Nieuwe middelen naast SSRIs, waaronder antipsychotica, β blokkers (propranolol), prazosine
		- Longitudinale cohortstudies
		- Rol van trauma in vroege levensfase
		- Toegenomen specificiteit in diagnostiek
		- Primaire preventie
		- Therapeutische toepassing samen met internet
		- 'Decennium van de prefrontale cortex'

PTSD is a Circuitry Disorder

Mahan and Kessler, *TRENDS Neurosciences*, 2012 TRENDS in Neurosciences

EB Therapies

Cognitive Therapy (Ehlers)	Narrative Exposure Therapy (Ehlers)	Prolonged Exposure (Foa)	Brief Eclectic Therapy PTSD (Gersons)	Cognitive Processing Therapy (Resick)	EMDR Therapy (Shapiro)
(1) case formulation, (2) updating trauma memories, (3) discrimination triggers, (4) dropping unhelpful behaviors, (5) reclaiming life	Chronological construction of life story: (1) Empathic understanding (2) Sensory memories, cognitions, emotions, and physiological responses. (3) Focus on reliving traumatic experiences	Emotional processing therapy (1) Imaginal exposure (2) 20 minutes processing (3) In vivo exposure	(1) psychoeducation; (2) imaginary exposure preceded by relaxation exercises, (3) writing tasks (4) meaning, (5) a farewell ritual	(1) education about different ways to think about problems, past or present. (2) in episodic memory and underlie current dysfunctional responses (3) talking about why something happened and reexperiencing the memory of the trauma in graphic detail	(1) unprocessed memories of adverse life experiences, are stored inappropriately in episodic memory and underlie current dysfunctional responses (2) Dual task processing to restore memories by 30 s exposures, paired with sequential sets of bilateral eye movements

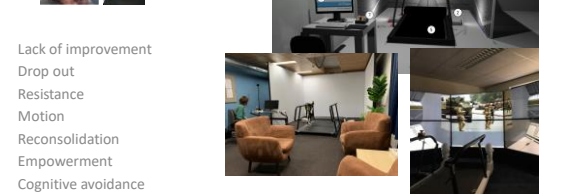
Trends



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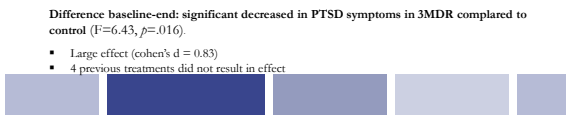
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3MDR – personalisation in structured exposure



International collaboration (NETH, UK, US, CAN, ISR)

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- Large effect (Cohen's $d = 0.83$)
- 4 previous treatments did not result in effect



MDMA

Mithoefer et al., Lancet Psychiatry, 2018

PROGRESS
in Neurology and Psychiatry

Opinion ■ MDMA for PTSD

Could MDMA be useful in the treatment of post-traumatic stress disorder?

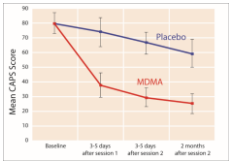
Ben Sessa *et al.*, AMCPtych

In recent studies, 3,4-methylenedioxymethylamphetamine (MDMA) has shown promise in the treatment of post-traumatic stress disorder (PTSD) as an adjunct to post-trauma psychological therapy. However, because of historical associations with its use as the recreational drug ecstasy, MDMA research remains a controversial subject. Dr Sessa discusses these controversies and describes a UK-based MDMA/PTSD currently in development.

- Relatief kortwerkend, geen afhankelijkheid; vermindert depressieve gevoelens, verhoogd verbondenheid, engagement – bereidheid voor psychotherapie, 'gedachtenvrij'; medicatie werd goed getolereerd

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MDMA

Mean CAPS Score

Time*Group Interaction $p=0.015$

Time Point	Placebo (Mean CAPS Score)	MDMA (Mean CAPS Score)
Baseline	~75	~75
3-5 days after session 1	~70	~45
3-5 days after session 2	~65	~40
2 months after session 2	~60	~35

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MDMA

Six Completed Phase 2 Studies MDMA-Assisted Psychotherapy for PTSD

Study	Sample (N)		Dose Comparison	
	Location	Code	Intent to Treat	Active
Published J. Psychopharm	Charleston, SC	MP-1	N=23	125 mg
	Switzerland	MP-2	N=14	125 mg
	Vancouver, BC	MP-4	N=6	125 mg
Published Lancet Psychiatry	Charleston, SC	MP-8	N=26	75 or 125 mg
	Tel Aviv, Israel	MP-9	N=8	125 mg
Published J. Psychopharm	Boulder, CO	MP-12	N=26	100 or 125 mg
All Studies		Intent to Treat	N=105	Active (75-125 mg) vs. Comparator (0-40 mg)

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Tenslotte

PTSS is een dynamische stoornis

Duidelijke neurobiologie

Therapie in ontwikkeling – psychotherapie, en farmacotherapie

Inrichting GGZ?

Opleiding

Samenwerkingen interdisciplinair +++

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Tenslotte



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Vragen:

e.vermetten@lumc.nl

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