

Personality and fantasy in treatment of chronic pain patients.

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Tværfaglig smerteklinik

Bispebjerg hospital

Subjects

30	Completed program
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Sex:

26	Female
4	Male

Age:

45	Average
44	Median
22-68	Range

Pain diagnosis:

2	Neurogenic pain
2	Internal surgery
10	Failed back surgery
4	Other rheumatological disease
2	Lowback pain
10	Muscular pain/Tension headache

Millon Behavioural Health Inventory
Basic Personality Patterns

	Coping style	Personality disorder
1	Introversive	Skizoid
2	Inhibited	Avoidant
3	Cooperative	Dependent
4	Sociable	Histrionic
5	Confident	Narcissistic
6	Forceful	Aggressive
7	Respectful	Compulsive
8	Sensitive	Borderline

Evaluation of patients' drawings

	Score	Type of drawing
Type	0	A. Concrete, sensoric
	1	B. Emotionally expressive
	2	C. Symbolic, abstract

	Score	Coloration
Elaboration	0	Monochrome
	1	2-3 colors
	2	>3 colors

	Score	Detail
	0	Simple
	1	Subject detail
	2	Additional background detail

Elaboration score = $\frac{1}{2}$ x (Color score + Detail score)

Total score = Elaboration score + Type score

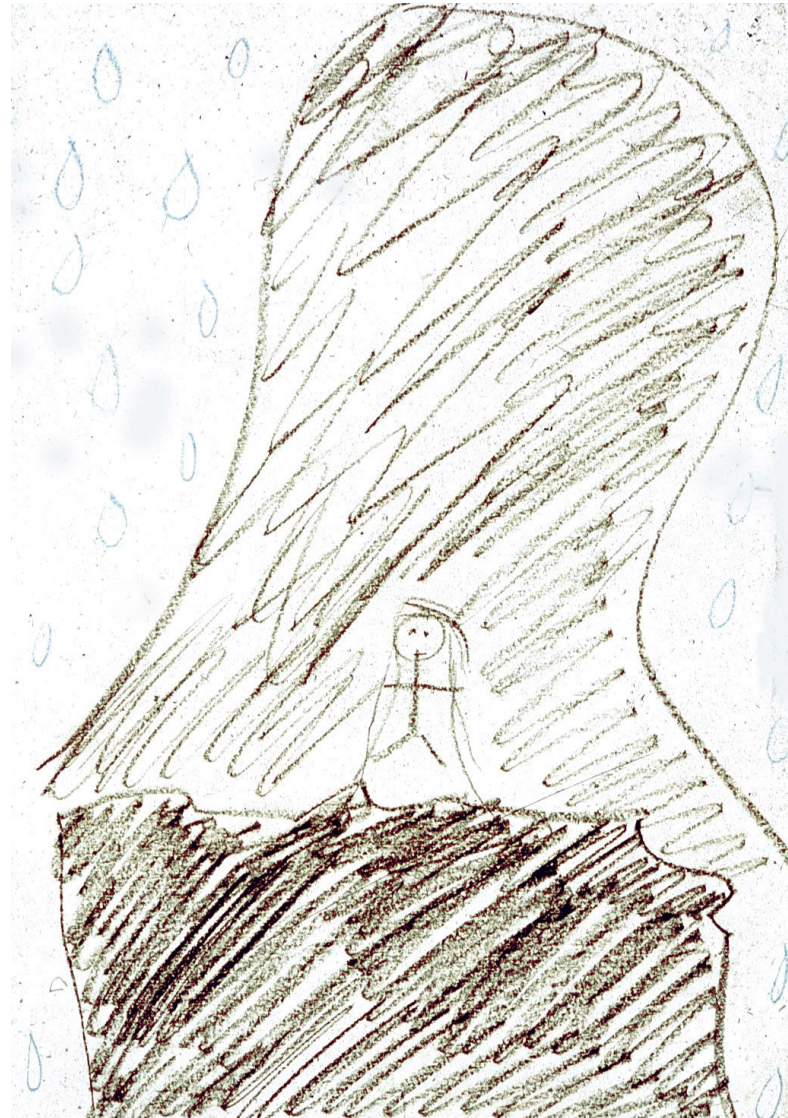
A. Concrete, sensoric example



B. Emotionally expressive example



C. symbolic, abstract example



Type of drawing

Result of treatment

R=0 R=1 R=2

A: Concrete	9	2	2	13
B: Expressive	3	4	6	13
C: Symbolic	0	1	3	4
	12	7	11	30

$$\chi^2=9,5$$

$$f=4$$

$$* p<0,05$$

Elaboration score = $\frac{1}{2}$ x (Color score + Detail score)

Result of treatment

R=0 R=1 R=2

Average	0,863	1,357	1,561	13
S.D.	0,49	0,28	0,53	13

F=6,78

1 way ANOVA

** p<0,01

Total score = Elaboration score + Type score

Result of treatment

R=0 R=1 R=2

Average	1,113	2,214	2,652	13
S.D.	0,87	0,82	1,01	13

F=8,55

1 way ANOVA

** p<0,01

Personality type

Result of treatment

	R=0	R=1	R=2	Average result
Cooperative	0	1	3	1,75
Confident	1	0	2	1,33
Balanced	1	0	2	1,33
Forceful	1	1	1	1,00
Introversive	3	2	3	1,00
Sensitive	1	2	0	0,67
Respectful	1	1	0	0,50
Inhibited	4	0	0	0,00
	11	7	12	0,97

Personality type

	Type of drawing			Average score
	A	B	C	
Cooperative	0	3	1	3,13
Introversive	2	3	3	2,27
Forceful	1	2	0	1,89
Confident	1	2	0	1,78
Balanced	2	1	0	1,61
Sensitive	2	1	0	1,56
Inhibited	3	1	0	1,30
Respectful	2	0	0	0,84
	13	13	4	1,93

Personality group

		Introversive Cooperative	Balanced Confident Forceful	Inhibited Respectful Sensitive	
N=		12	9	9	
Drawing score					
Average		2,56	1,76	1,28	* F=4,193
S.D.		1,14	1,07	0,77	
Result score					
Average		1,25	1,22	0,33	* F=3,913
S.D.		0,87	0,97	0,50	

1 way ANOVA
P<0,05

Personality Groups

	Above average treatment results	Below average treatment results
Above average drawing score	Introversive Cooperative	
Below average drawing score	Balanced Forceful Confident	Inhibited Respectful Sensitive