PCNE Classification PCNE scheme for Drug related problems-2

(revised V2.04)

PCNE Classification scheme for Drug related problems-Page 1

The Problems

Primary Domain	Code	Code	Problem
		SPSS	
Lack of Drug	P1.1	1	No drug prescribed but clear indication
Patient does not get the	P1.2	2	Drug not taken (only partially)
amount of drug he/she	P1.3	3	Drug not taken at all
requires	P1.4	4	Drug dose too low or dosage regime not frequent enough
- u. ·	P1.5	5	Drug level too low for other reasons
Too much drug	P2.1	6	Drug dose too high or dosage regime too frequent
Patient gets more than	P2.2	7	Too much drug taken
the amount of drug	P2.3	8	Drug level too high for other reasons
he/she requires			
Unnecessary drug	P3.1	9	Duplication of therapeutic group or active ingredient
Patient gets a drug	P3.2	10	No clear indication for drug use
he/she does not require			
Wrong drug	P4.1	11	Potential interaction
Patient gets or is going to	P4.2	12	Contra-indication for drug (incl. Pregnancy/breast
get a wrong medicine for			feeding)
his/her disease and/or	P4.3	13	Inappropriate drug prescribed (not best choice for
condition			indication and/or patient)
Treatment	P5.1	14	Duration of treatment too short
duration or timing	P5.2	15	Duration of treatment too long
Patient gets drugs for a	P5.3	16	Incorrect timing
wrong therapy-duration			
or at wrong time			
Adverse Events	P6.1	17	Side effect suffered
Patient suffers from an	1 0.1	1 /	Side effect suffered
adverse drug event			
Patient related	P7.1	18	Patient is unable to use drug/form properly
	P7.2	19	Patient asks for inappropriate drug (OTC)
problems	P7.3	20	Therapy failure for unknown reason (escape code)
	P7.4	21	Patient dissatisfied with therapy despite taking correctly
	P7.5	22	Unclear complaints. Further clarification necessary
	P7.6	23	Insufficient awareness of health and diseases (possibly
			leading to future problems)
			,

PCNE Classification scheme for Drug related problems-Page 2

The Causes

C1.1 C1.2 C1.3 C1.4 C1.5 C1.6 C1.7	SPSS 1 2 3 4 5 6 7 8 9	Inappropriate drug selection Inappropriate dosage selection More cost-effective drug available Pharmacokinetic problems Synergistic drug required Preventive drug required Dosage adjustment required due to organ impairment Deterioration/improvement of disease state
C1.3 C1.4 C1.5 C1.6 C1.7	3 4 5 6 7	Inappropriate dosage selection More cost-effective drug available Pharmacokinetic problems Synergistic drug required Preventive drug required Dosage adjustment required due to organ impairment Deterioration/improvement of disease state
C1.4 C1.5 C1.6 C1.7 C1.8 C1.9	4 5 6 7 8	More cost-effective drug available Pharmacokinetic problems Synergistic drug required Preventive drug required Dosage adjustment required due to organ impairment Deterioration/improvement of disease state
C1.4 C1.5 C1.6 C1.7 C1.8 C1.9	4 5 6 7 8	Pharmacokinetic problems Synergistic drug required Preventive drug required Dosage adjustment required due to organ impairment Deterioration/improvement of disease state
C1.5 C1.6 C1.7 C1.8 C1.9	5 6 7 8	Synergistic drug required Preventive drug required Dosage adjustment required due to organ impairment Deterioration/improvement of disease state
C1.6 C1.7 C1.8 C1.9	6 7 8	Preventive drug required Dosage adjustment required due to organ impairment Deterioration/improvement of disease state
C1.7 C1.8 C1.9	7 8	Dosage adjustment required due to organ impairment Deterioration/improvement of disease state
C1.8 C1.9	8	impairment Deterioration/improvement of disease state
C1.9		Deterioration/improvement of disease state
C1.9		
	9	Norregement on presented
~		New symptom presented
C2.1	10	Drug not used/ underused because of side-effects
C2.2	11	Drug not used/ underused because of costs
		Drug not used/ underused because of health
02.0	1-	beliefs
C2 /	13	Drug misused
-	_	Drug used to suppress avoidable side-effect
		No therapeutic drug monitoring
		Inappropriate timing of administration and/or
C2.1	10	dosing intervals
നാം	17	Patient unable to use drug/form properly
C2.9	10	Patient forgets to use/take drug
C3.1	19	Instructions for use/taking not known
		Patient not familiar with reason for drug
		treatment
C3.3	21	Patient has difficulties reading/understanding
		Patient Information Form/Leaflet
C3.4	22	Patient unable to understand language
C4.1	23	Health beliefs not in line with treatment
		Patient does not want to bother doctor/GP
C4.3	25	Patient does not want to change drugs
C4.4	26	Patient has concerns about drugs
C4.5	27	Patient does not want to adapt life-style
C4.6	28	Burden of therapy
C5 1	20	Prescribed drug not available
		Prescribing error (only in case of slip of the pen)
CJ.S	31	Dispensing error (wrong drug or dose dispensed)
	1	
C6.1		Other reason
C6.2	33	No obvious reason
C6.3	34	Manifest side effect, no other cause
	C3.2 C3.3 C3.4 C4.1 C4.2 C4.3 C4.4 C4.5 C5.1 C5.2 C5.3 C6.1 C6.2	C2.4 13 C2.5 14 C2.6 15 C2.7 16 C2.8 17 C2.9 18 C3.1 19 C3.2 20 C3.3 21 C3.4 22 C4.1 23 C4.2 24 C4.3 25 C4.4 26 C4.5 27 C4.6 28 C5.1 29 C5.2 30 C5.3 31 C6.1 32 C6.2 33

PCNE Classification scheme for Drug related problems-Page 3

The Interventions

Category	Code	Code SPSS	Interventions
No intervention	I0.0	1	No Intervention
At presciber level	I1.1 I1.2	2	Prescriber informed only Prescriber asked for information
	I1.2 I1.3	3 4	Intervention proposed by pharmacy, approved by Prescriber
	I1.4	5	Intervention proposed by pharmacy, <i>not</i> approved by Prescriber
	I1.5	6	Intervention proposed to prescriber, outcome unknown
At patient (or relative)	I2.1 I2.2	7 8	Patient medication counselling Written information provided only
level	I2.2 I2.3 I2.4	9	Patient referred to prescriber Spoken to family member/caregiver
At drug level	I3.1	11	Drug changed to
	I3.2	12	Dosage changed to
Other intervention	I4.1 I4.2	13 14	Other intervention (Description) Side effect reported to authorities

Changes between V1.0 and V 2.0

General:

- Word 'medicine' replaced by 'drug' (can be reversed if desirable)
- Suggested option to include 'Patient asks for OTC drug' and 'drug sold' does not have a link with a drug related problem, and therefore will not be included. If the patient asks for the wrong OTC drug, then P7.2 is available.

Problem section

- Domain 'Too much drug' added'
- Items 'Drug dose too low' and 'dosage regime not frequent enough' merged into new item: 'Drug dose too low or dosage regime not frequent enough' and moved to appropriate domain.
- Items 'Drug dose too high' and 'dosage regime too frequent merged into new item: 'Drug dose too high or dosage regime too frequent' and moved to appropriate domain.
- Item 'Drug not taken (only partially)' added.
- Domain 'Dosage' changed into 'Treatment Duration'.
- Item 'Patient is unable to use drug/form properly' moved to domain 'Patient related problems'.
- Item 'Manifest Interaction' removed (is cause) and 'Drug level too low' and 'Drug level too high' added to the appropriate domains. Item 'Potential interaction' is still in problem section. The manifest interaction is a cause.
- Item 'Patient asks for inappropriate drug (OTC)' added to domain Patient related problems
- 'Side effect suffered' combined, not really relevant if it is allergic or not.

Causes section

- Item 'Drug overused' removed (= drug misused)
- 'Prescribing error (slip of the pen)' changed into 'Prescribing error (only in case of slip of the pen)'. Other prescribing errors are covered in first domain.
- 'Manifest side effect, no other cause' added to Misc. domain (a side effect can be an independent cause for an undesirable reaction to a drug)

Intervention section

- Item 'Practical instruction to patient' removed (= Patient medication counselling)
- Item 'Written information provided only' added
- Item 'Intervention proposed to prescriber, outcome unknown' added
- Item: Side effect reported to authorities' added