

Supplementary Table.

Type of interventions and drug related problems depending on the target

Interventions delivered to patients	214 (60.5%)
D5 Therapy stopped	87 (40.7%)
C1.2 Contraindication	33
C1.4 Drug not indicated	28
C1.5 Duplication	17
C1.6 Adverse effect	8
C3.4 Dose not adjusted to organ function	1
D7 In-depth counselling of patient (e.g., on adherence)	46 (21.5%)
C5.1 Insufficient compliance	28
C5.3 Concerns about the treatment	11
C4.1 Inappropriate timing or frequency of admin	6
C5.2 Insufficient knowledge	1
D12 Proposition of therapy monitoring	42 (19.6%)
C1.6 Adverse effect	25
C3.3 Inappropriate monitoring	6
C1.3 Interaction	4
C1.5 Duplication	3
C5.3 Concerns about the treatment	2
C1.2 Contraindication	1
C5.1 Insufficient compliance	1
D6 Therapy started	12 (5.6%)
C1.1 No concordance with guidelines, only suboptimal therapy possible	10
C1.6 Adverse effect	2
D11 Transmission of information	9 (4.2%)
C3.3 Inappropriate monitoring	5
C5.1 Insufficient compliance	4
D4 Optimization of administration/route	9 (4.2%)
C4.1 Inappropriate timing or frequency of admin	2
C5.3 Concerns about the treatment	1
C1.3 Interaction	6
D2 Dose adjustment	8 (3.7%)
C1.6 Adverse effect	3
C3.4 Dose not adjusted to organ function	2
C4.1 Inappropriate timing or frequency of admin	1
C3.2 Overdose	2
D1 Substitution	1 (0.5%)
C1.1 No concordance with guidelines, only suboptimal therapy possible	1
Interventions delivered to physicians	140 (39.5%)

D10 Clarification / addition of information	82 (58.6%)
C1.7 Missing patient documentation (medication history)*	82
D5 Therapy stopped	24 (17.1%)
C1.4 Drug not indicated	12
C1.5 Duplication	7
C1.6 Adverse effect	2
C1.2 Contraindication	2
C3.4 Dose not adjusted to organ function	1
D2 Dose adjustment	16 (11.4%)
C1.6 adverse effect	2
C3.4 Dose not adjusted to organ function	6
C3.2 Overdose	8
D6 Therapy started	12 (8.6%)
C1.1 No concordance with guidelines, only suboptimal therapy possible	11
C1.6 adverse effect	1
D1 Substitution	6 (4.3%)
C1.2 Contraindication	4
C1.1 No concordance with guidelines, only suboptimal therapy possible	1
C2.1 Inappropriate dosage form/administration route	1