

Clinical Pharmacogenetics Implementation Consortium and Clopidogrel Therapy: 2013 Update

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The Public Health Genomics Translation Gap: What We Don't Have and Why It Matters. <i>Public Health Genomics</i> , 2012, 15, 132-138.	1.0	12
2	Pharmacogenomic considerations in opioid analgesia. <i>Pharmacogenomics and Personalized Medicine</i> , 2012, 5, 73.	0.7	26
3	Genomic Medicine, Precision Medicine, Personalized Medicine: What's in a Name?. <i>Clinical Pharmacology and Therapeutics</i> , 2013, 94, 169-172.	4.7	59
4	An Allele-Specific PCR System for Rapid Detection and Discrimination of the CYP2C19*4A, *4B, and *17 Alleles. <i>Journal of Molecular Diagnostics</i> , 2013, 15, 783-789.	2.8	17
5	Electronic health record design and implementation for pharmacogenomics: a local perspective. <i>Genetics in Medicine</i> , 2013, 15, 833-841.	2.4	87
6	Integration of genomics into the electronic health record: mapping terra incognita. <i>Genetics in Medicine</i> , 2013, 15, 757-760.	2.4	28
7	Pharmacogenomics of anti-platelet therapy: how much evidence is enough for clinical implementation?. <i>Journal of Human Genetics</i> , 2013, 58, 339-345.	2.3	28
8	Cytochrome P450 3A4*22, PPAR- α , and ARNT polymorphisms and clopidogrel response. <i>Clinical Pharmacology: Advances and Applications</i> , 2013, 5, 185.	1.2	9
9	Open Access Integrated Therapeutic and Diagnostic Platforms for Personalized Cardiovascular Medicine. <i>Journal of Personalized Medicine</i> , 2013, 3, 203-237.	2.5	16
10	Incorporation of Pharmacogenomics into Routine Clinical Practice: the Clinical Pharmacogenetics Implementation Consortium (CPIC) Guideline Development Process. <i>Current Drug Metabolism</i> , 2014, 15, 209-217.	1.2	341
11	Health Data Cooperatives – Citizen Empowerment. <i>Methods of Information in Medicine</i> , 2014, 53, 82-86.	1.2	92
12	CYP2C19 Genotype Has a Greater Effect on Adverse Cardiovascular Outcomes Following Percutaneous Coronary Intervention and in Asian Populations Treated With Clopidogrel. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 895-902.	5.1	107
13	Pharmacodynamic Pharmacogenomics. , 2014, , 365-383.		4
14	Pharmacogenomics of Clopidogrel. , 2014, , 509-541.		1
15	Genotype- and phenotype-directed antiplatelet therapy selection in patients with acute coronary syndromes. <i>Expert Review of Cardiovascular Therapy</i> , 2014, 12, 1289-1303.	1.5	4
16	Pilot study: incorporation of pharmacogenetic testing in medication therapy management services. <i>Pharmacogenomics</i> , 2014, 15, 1729-1737.	1.3	13
17	Frequency of CYP450 enzyme gene polymorphisms in the Greek population: review of the literature, original findings and clinical significance. <i>Drug Metabolism and Drug Interactions</i> , 2014, 29, 235-248.	0.3	12
18	Development of a Multiplex and Cost-Effective Genotype Test toward More Personalized Medicine for the Antiplatelet Drug Clopidogrel. <i>International Journal of Molecular Sciences</i> , 2014, 15, 7699-7710.	4.1	5

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19	Implementing Clinical Pharmacogenetics: Point-of-Care and Pre-Emptive Testing. , 2014, , 921-930.		0
20	Pharmacogenomics of antiplatelet drugs. Hematology American Society of Hematology Education Program, 2014, 2014, 343-347.	2.5	3
21	Priority pharmacogenetics for the African continent: focus on CYP450. Pharmacogenomics, 2014, 15, 385-400.	1.3	10
22	World Heart Federation expert consensus statement on antiplatelet therapy in East Asian patients with ACS or undergoing PCI. Nature Reviews Cardiology, 2014, 11, 597-606.	13.7	267
23	Aspirin Decreases Systemic Exposure to Clopidogrel Through Modulation of P-Glycoprotein But Does Not Alter Its Antithrombotic Activity. Clinical Pharmacology and Therapeutics, 2014, 95, 608-616.	4.7	26
24	Gene Variants in CYP2C19 Are Associated with Altered In Vivo Bupropion Pharmacokinetics but Not Bupropion-Assisted Smoking Cessation Outcomes. Drug Metabolism and Disposition, 2014, 42, 1971-1977.	3.3	24
25	<i><sc>CYP</sc>2C19</i> Polymorphisms and Therapeutic Drug Monitoring of Voriconazole: Are We Ready for Clinical Implementation of Pharmacogenomics?. Pharmacotherapy, 2014, 34, 703-718.	2.6	104
26	Use of Contemporary Genetics in Cardiovascular Diagnosis. Circulation, 2014, 130, 1971-1980.	1.6	7
27	Implementation of pharmacogenetics: The University of Maryland personalized antiplatelet pharmacogenetics program. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2014, 166, 76-84.	1.6	82
28	Emerging Roles for Pharmacists in Clinical Implementation of Pharmacogenomics. Pharmacotherapy, 2014, 34, 1102-1112.	2.6	105
29	Highlights from recent advances in antiplatelet pharmacogenomics. Personalized Medicine, 2014, 11, 135-138.	1.5	0
30	Pharmacogenetics in the Community Pharmacy. Journal of Pharmacy Practice, 2014, 27, 416-419.	1.0	21
31	Perioperative Management of the Patient with a Coronary Artery Stent. Anesthesiology, 2014, 121, 1093-1098.	2.5	8
32	Genomic architecture of pharmacological efficacy and adverse events. Pharmacogenomics, 2014, 15, 2025-2048.	1.3	21
33	Implementation and utilization of genetic testing in personalized medicine. Pharmacogenomics and Personalized Medicine, 2014, 7, 227.	0.7	63
34	Considerations for rare variants in drug metabolism genes and the clinical implications. Expert Opinion on Drug Metabolism and Toxicology, 2014, 10, 873-884.	3.3	22
35	Pharmacogenetics in Jewish populations. Drug Metabolism and Drug Interactions, 2014, 29, 221-233.	0.3	14
36	Clinical Interpretation and Implications of Whole-Genome Sequencing. JAMA - Journal of the American Medical Association, 2014, 311, 1035.	7.4	398

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37	Clinically Actionable Genotypes Among 10,000 Patients With Preemptive Pharmacogenomic Testing. <i>Clinical Pharmacology and Therapeutics</i> , 2014, 95, 423-431.	4.7	272
38	Cardiovascular Pharmacogenomics: Expectations and Practical Benefits. <i>Clinical Pharmacology and Therapeutics</i> , 2014, 95, 281-293.	4.7	54
39	Epigenetic primer for diagnostic applications: a window into personalized medicine. <i>Personalized Medicine</i> , 2014, 11, 323-337.	1.5	2
40	PG4KDS: A model for the clinical implementation of pre-emptive pharmacogenetics. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2014, 166, 45-55.	1.6	221
41	Interaction of clopidogrel and statins in secondary prevention after cerebral ischaemia – a randomized, double-blind, double-dummy crossover study. <i>British Journal of Clinical Pharmacology</i> , 2014, 78, 1058-1066.	2.4	7
42	Pharmacogenomics of oral antiplatelet drugs. <i>Pharmacogenomics</i> , 2014, 15, 509-528.	1.3	10
43	Role of phenotypic and genetic testing in managing clopidogrel therapy. <i>Blood</i> , 2014, 124, 689-699.	1.4	28
44	Clustering of Acute and Subacute Stent Thrombosis Related to the Introduction of Generic Clopidogrel. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2014, 19, 201-208.	2.0	15
45	Analysis of compound heterozygous <i>CYP2C19</i> genotypes to determine <i>cis</i> and <i>trans</i> configurations. <i>Pharmacogenomics</i> , 2014, 15, 1197-1205.	1.3	9
46	Clopidogrel dose adjustment after outpatient screening for <i>CYP2C19</i> variant alleles: a pilot study. <i>Pharmacogenomics</i> , 2014, 15, 915-923.	1.3	9
47	Strategies to Reduce Bleeding Risk in Acute Coronary Syndromes and Percutaneous Coronary Intervention: New and Emerging Pharmacotherapeutic Considerations. <i>Pharmacotherapy</i> , 2014, 34, 973-990.	2.6	2
48	Voriconazole pharmacokinetics and exposure-response relationships: Assessing the links between exposure, efficacy and toxicity. <i>International Journal of Antimicrobial Agents</i> , 2014, 44, 183-193.	2.5	77
49	Clinical pharmacogenetics implementation: Approaches, successes, and challenges. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2014, 166, 56-67.	1.6	162
50	Prioritizing Genomic Applications for Action by Level of Evidence: A Horizon-Scanning Method. <i>Clinical Pharmacology and Therapeutics</i> , 2014, 95, 394-402.	4.7	53
51	Grapefruit Juice Inhibits the Metabolic Activation of Clopidogrel. <i>Clinical Pharmacology and Therapeutics</i> , 2014, 95, 307-313.	4.7	49
52	Chasing Mendel: five questions for personalized medicine. <i>Journal of Physiology</i> , 2014, 592, 2381-2388.	2.9	30
53	Towards a Molecular Systems Model of Coronary Artery Disease. <i>Current Cardiology Reports</i> , 2014, 16, 488.	2.9	19
54	Effectiveness of clopidogrel dose escalation to normalize active metabolite exposure and antiplatelet effects in <i>CYP2C19</i> poor metabolizers. <i>Journal of Clinical Pharmacology</i> , 2014, 54, 865-873.	2.0	31

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55	“East Asian Paradox” Challenge for the Current Antiplatelet Strategy of “One-Guideline-Fits-All Races” in Acute Coronary Syndrome. Current Cardiology Reports, 2014, 16, 485.	2.9	136
56	Front-loading with clopidogrel plus aspirin followed by dual antiplatelet therapy in the prevention of early stroke recurrence. Expert Review of Neurotherapeutics, 2014, 14, 723-734.	2.8	0
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58	Patients carrying CYP2C19 loss of function alleles have a reduced response to clopidogrel therapy and a greater risk of in-stent restenosis after endovascular treatment of lower extremity peripheral arterial disease. Journal of Vascular Surgery, 2014, 60, 993-1001.	1.1	36
59	Surveying Recent Themes in Translational Bioinformatics: Big Data in EHRs, Omics for Drugs, and Personal Genomics. Yearbook of Medical Informatics, 2014, 23, 199-205.	1.0	18
60	Personalized medicine: importance of clinical interpretative skills for real-world patient care. Personalized Medicine, 2014, 11, 395-408.	1.5	0
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63	PHILO“ Ensuring Trial Results Are Not Lost in Translation “. Circulation Journal, 2015, 79, 2326-2328.	1.6	2
64	EHR based Genetic Testing Knowledge Base (iGTKB) Development. BMC Medical Informatics and Decision Making, 2015, 15, S3.	3.0	4
65	Academic and professional pharmacy education: a pharmacogenomics certificate training program. Personalized Medicine, 2015, 12, 563-573.	1.5	23
66	Influence of Genetic Polymorphisms on Clopidogrel Response and Clinical Outcomes in Patients with Acute Ischemic Stroke CYP2C19 Genotype on Clopidogrel Response. CNS Neuroscience and Therapeutics, 2015, 21, 692-697.	3.9	36
67	Genetic variation in the human cytochrome P450 supergene family. Pharmacogenetics and Genomics, 2015, 25, 584-594.	1.5	127
68	A survey on the awareness and attitude of pharmacists and doctors towards the application of pharmacogenomics and its challenges in <sc>Q</sc>atar. Journal of Evaluation in Clinical Practice, 2015, 21, 703-709.	1.8	49
69	CYP2C19 genotype plus platelet reactivity-guided antiplatelet therapy in acute coronary syndrome patients. Pharmacogenetics and Genomics, 2015, 25, 609-617.	1.5	14
70	Similar substrate specificity of cynomolgus monkey cytochrome P450 2C19 to reported human P450 2C counterpart enzymes by evaluation of 89 drug clearances. Biopharmaceutics and Drug Disposition, 2015, 36, 636-643.	1.9	7
71	Three POCT Molecular Applications. Point of Care, 2015, 14, 95-98.	0.4	1
72	Optimizing clopidogrel dose response: a new clinical algorithm comprising CYP2C19 pharmacogenetics and drug interactions. Therapeutics and Clinical Risk Management, 2015, 11, 1421.	2.0	14

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73	INFLUENCE OF THE CYP3A4 ISOENZYME METABOLIC ACTIVITY AND CYP2C19 GENE POLYMORPHISMS ON CLOPIDOGREL ANTIPLATELET EFFECT IN PATIENTS WITH ACUTE CORONARY SYNDROME UNDERGOING PERCUTANEOUS CORONARY INTERVENTION. Rational Pharmacotherapy in Cardiology, 2015, 11, 344-354.	0.8	0
74	Personalized antiplatelet and anticoagulation therapy: applications and significance of pharmacogenomics. Pharmacogenomics and Personalized Medicine, 2015, 8, 43.	0.7	27
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76	Implementation of Cell Samples as Controls in National Proficiency Testing for Clopidogrel Therapy-Related CYP2C19 Genotyping in China: A Novel Approach. PLoS ONE, 2015, 10, e0134174.	2.5	4
78	Individualised dual antiplatelet therapy in a patient with short bowel syndrome after acute myocardial infarction with coronary artery stenting. BMJ Case Reports, 2015, 2015, bcr2014205227.	0.5	5
79	Integration of Genomics in Primary Care. American Journal of Medicine, 2015, 128, 1251.e1-1251.e5.	1.5	36
80	Clinical Pharmacogenetics Implementation Consortium (CPIC) Guideline for <i>CYP2D6</i> and <i>CYP2C19</i> Genotypes and Dosing of Selective Serotonin Reuptake Inhibitors. Clinical Pharmacology and Therapeutics, 2015, 98, 127-134.	4.7	739
81	Nordic Social Pharmacy and Health Services Research Conference & The Nordic Networking Group of Clinical Pharmacy. International Journal of Clinical Pharmacy, 2015, 37, 1-34.	2.1	0
82	Correlation of CYP2C19 genotype with plasma voriconazole levels: a preliminary retrospective study in Indians. International Journal of Clinical Pharmacy, 2015, 37, 925-930.	2.1	18
83	Joint effects of CYP2C19*2 and smoking status on clopidogrel responsiveness in patients with acute coronary syndrome. International Journal of Cardiology, 2015, 180, 196-198.	1.7	8
84	Pharmacogenetics of drug oxidation via cytochrome P450 (CYP) in the populations of Denmark, Faroe Islands and Greenland. Drug Metabolism and Personalized Therapy, 2015, 30, 147-163.	0.6	6
85	Implementation of a pharmacogenetic management service for postmyocardial infarction care in a community pharmacy. Personalized Medicine, 2015, 12, 319-325.	1.5	15
86	Drug resistance and secondary treatment of ischaemic stroke: The genetic component of the response to acetylsalicylic acid and clopidogrel. Neurología (English Edition), 2015, 30, 566-573.	0.4	4
87	<i>CYP2C19</i> Metabolizer Status and Clopidogrel Efficacy in the Secondary Prevention of Small Subcortical Strokes (SPS3) Study. Journal of the American Heart Association, 2015, 4, e001652.	3.7	44
88	Pharmacogenomics and cardiology: improving treatment with existing drugs. Pharmacogenomics, 2015, 16, 1223-1226.	1.3	1
89	Genetic factors affecting drug disposition in Asian cancer patients. Expert Opinion on Drug Metabolism and Toxicology, 2015, 11, 1879-1892.	3.3	21
90	Pharmacogenetic Considerations in the Elderly Patient. The Consultant Pharmacist, 2015, 30, 228-239.	0.4	1
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92	Effect of high-dose clopidogrel according to CYP2C19*2 genotype in patients undergoing percutaneous coronary interventionâ€”a systematic review and meta-analysis. Thrombosis Research, 2015, 135, 449-458.	1.7	39
93	Review of pharmacoeconomic evaluation of genotype-guided antiplatelet therapy. Expert Opinion on Pharmacotherapy, 2015, 16, 771-779.	1.8	21
94	Prevalence and significance of <sc><i>CYP</i></sc><i>2</i></sc><i>C</i></sc><i>19*2</i> and <sc><i>CYP</i></sc><i>2</i></sc><i>C</i></sc><i>19*17</i> alleles in a <sc>N</sc>ew <sc>Z</sc>ealand acute coronary syndrome population. Internal Medicine Journal, 2015, 45, 537-545.	0.8	6
95	Managing the acute coronary syndrome patient: Evidence based recommendations for anti-platelet therapy. Heart and Lung: Journal of Acute and Critical Care, 2015, 44, 141-149.	1.6	10
96	Cardiovascular pharmacogenomics; state of current knowledge and implementation in practice. International Journal of Cardiology, 2015, 184, 772-795.	1.7	15
97	Differential Impact of Selective Serotonin Reuptake Inhibitors on Platelet Response to Clopidogrel: A Randomized, Double-Blind, Crossover Trial. Pharmacotherapy, 2015, 35, 140-147.	2.6	10
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99	Carboxylesterase 1 c.428G>A single nucleotide variation increases the antiplatelet effects of clopidogrel by reducing its hydrolysis in humans. Clinical Pharmacology and Therapeutics, 2015, 97, 650-658.	4.7	70
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101	Clinical implications of neuropharmacogenetics. Revue Neurologique, 2015, 171, 482-497.	1.5	3
102	Review of clopidogrel dose escalation in the current era of potent P2Y12 inhibitors. Expert Review of Clinical Pharmacology, 2015, 8, 411-421.	3.1	4
103	Pharmacogenomics in cardiology â€” genetics and drug response: 10 years of progress. Future Cardiology, 2015, 11, 281-286.	1.2	7
104	Incidence of cardiovascular events and gastrointestinal bleeding in patients receiving clopidogrel with and without proton pump inhibitors: an updated meta-analysis. Open Heart, 2015, 2, e000248.	2.3	66
105	A study on the impact of CYP2C19 genotype and platelet reactivity assay on patients undergoing PCI. Indian Heart Journal, 2015, 67, 114-121.	0.5	8
106	The pharmacogenetic control of antiplatelet response: candidate genes and <i>CYP2C19</i>. Expert Opinion on Drug Metabolism and Toxicology, 2015, 11, 1599-1617.	3.3	22
107	CYP2C19 LOF alleles confer no risk for HTPR but higher risk for recurrent ischemic events in clopidogrel treated elderly ACS patients. International Journal of Cardiology, 2015, 189, 225-227.	1.7	4
108	Therapeutic Drug Monitoring and Genotypic Screening in the Clinical Use of Voriconazole. Current Fungal Infection Reports, 2015, 9, 74-87.	2.6	38
109	Genotype-based clinical trials in cardiovascular disease. Nature Reviews Cardiology, 2015, 12, 475-487.	13.7	37

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110	Implementation and evaluation of a <i>CYP2C19</i> genotype-guided antiplatelet therapy algorithm in high-risk coronary artery disease patients. <i>Pharmacogenomics</i> , 2015, 16, 303-313.	1.3	32
111	Clinical application of pharmacogenetics: focusing on practical issues. <i>Pharmacogenomics</i> , 2015, 16, 1733-1741.	1.3	14
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113	Clinician perspectives on using pharmacogenomics in clinical practice. <i>Personalized Medicine</i> , 2015, 12, 339-347.	1.5	67
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116	Time-Dependent Inhibition of CYP2C19 by Isoquinoline Alkaloids: In Vitro and In Silico Analysis. <i>Drug Metabolism and Disposition</i> , 2015, 43, 1891-1904.	3.3	7
117	Genetics of Cardiovascular Disease. , 2015, , 117-127.		0
118	Pharmacogenomics of Hypertension and Heart Disease. <i>Current Hypertension Reports</i> , 2015, 17, 586.	3.5	18
120	Prevention of Cardiovascular Diseases. , 2015, , .		1
121	Preemptive Clinical Pharmacogenetics Implementation: Current Programs in Five US Medical Centers. <i>Annual Review of Pharmacology and Toxicology</i> , 2015, 55, 89-106.	9.4	442
122	La resistencia en el tratamiento secundario del ictus isqu�mico, el componente gen�tico en la respuesta a �cido acetilsalic�ico y clopidogrel. <i>Neurolog�a</i> , 2015, 30, 566-573.	0.7	6
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125	Relevance of Personalized Health Care in Patients with Arterial Hypertension: Where are we now?. , 2016, , .		1
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127	The Role of Genetics in Acute Coronary Syndrome. , 2016, , 25-55.		0
128	Influence of platelet reactivity on BARC classification in East Asian patients undergoing percutaneous coronary intervention. <i>Thrombosis and Haemostasis</i> , 2016, 115, 979-992.	3.4	14
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130	Comparison of genome sequencing and clinical genotyping for pharmacogenes. <i>Clinical Pharmacology and Therapeutics</i> , 2016, 100, 380-388.	4.7	46
131	Genetic diversity of variants involved in drug response and metabolism in Sri Lankan populations. <i>Pharmacogenetics and Genomics</i> , 2016, 26, 28-39.	1.5	21
132	Pharmacogenetics in Cardiovascular Medicine. <i>Current Genetic Medicine Reports</i> , 2016, 4, 119-129.	1.9	9
133	Pharmacogenomics. <i>Journal of Infusion Nursing</i> , 2016, 39, 139-148.	2.3	1
134	Clinical Value of CYP2C19 Genetic Testing for Guiding the Antiplatelet Therapy in a Chinese Population. <i>Journal of Cardiovascular Pharmacology</i> , 2016, 67, 232-236.	1.9	62
135	Physician response to implementation of genotype-tailored antiplatelet therapy. <i>Clinical Pharmacology and Therapeutics</i> , 2016, 100, 67-74.	4.7	47
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139	Evidence and resources to implement pharmacogenetic knowledge for precision medicine. <i>American Journal of Health-System Pharmacy</i> , 2016, 73, 1977-1985.	1.0	79
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145	Proton pump inhibitors and other disease-based factors in the recurrence of adverse cardiovascular events following percutaneous coronary angiography: A long-term cohort. <i>Indian Journal of Gastroenterology</i> , 2016, 35, 117-122.	1.4	7
146	Effect of genetic and coexisting polymorphisms on platelet response to clopidogrel in Chinese Han patients with acute coronary syndrome. <i>Journal of Genetics</i> , 2016, 95, 231-237.	0.7	11
147	Progressing Preemptive Genotyping of CYP2C19 Allelic Variants for Sickle Cell Disease Patients. <i>Genetic Testing and Molecular Biomarkers</i> , 2016, 20, 609-615.	0.7	1

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149	Results of genotype-guided antiplatelet therapy in patients who undergone percutaneous coronary intervention with stent. International Journal of Cardiology, 2016, 225, 289-295.	1.7	48
150	Impact of genetic polymorphisms related to clopidogrel or acetylsalicylic acid pharmacology on clinical outcome in Chinese patients with symptomatic extracranial or intracranial stenosis. European Journal of Clinical Pharmacology, 2016, 72, 1195-1204.	1.9	16
151	Implementing Pharmacogenomics at Your Institution: Establishment and Overcoming Implementation Challenges. Clinical and Translational Science, 2016, 9, 233-245.	3.1	72
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154	Clopidogrel pharmacogenetics: from evidence to implementation. Future Cardiology, 2016, 12, 511-514.	1.2	3
155	Reduced number of cardiovascular events and increased cost-effectiveness by genotype-guided antiplatelet therapy in patients undergoing percutaneous coronary interventions in the Netherlands. Netherlands Heart Journal, 2016, 24, 589-599.	0.8	38
156	Effect of antituberculosis treatment on <sc>CYP</sc>2C19 enzyme activity in genetically polymorphic South Indian Tamilian population. Fundamental and Clinical Pharmacology, 2016, 30, 607-615.	1.9	0
157	Implementation of a multidisciplinary pharmacogenomics clinic in a community health system. American Journal of Health-System Pharmacy, 2016, 73, 1956-1966.	1.0	101
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161	Association between CYP3A5 polymorphisms and the risk of adverse events in patients undergoing clopidogrel therapy: Meta-analysis. Thrombosis Research, 2016, 147, 1-6.	1.7	1
162	Pharmacogenomics and Global Precision Medicine in the Context of Adverse Drug Reactions: Top 10 Opportunities and Challenges for the Next Decade. OMICS A Journal of Integrative Biology, 2016, 20, 593-603.	2.0	20
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