Supplemental Appendix: Full list of articles included in this scoping review (n=194) organized by FT Model Efficacy Domain

Record ID	Author (s)	Study Title	Technical Efficacy Outcome	Diagnostic Accuracy Outcomes	Diagnostic Thinking Outcomes	Therapeutic Efficacy Outcomes	Patient Outcomes	Societal Outcomes	Other Outcomes
4	Assadipour et.al (2017)	SDHB mutation status and tumor size but not tumor grade are important predictors of clinical outcome in pheochromocytoma and abdominal paraganglioma					X		
5	Bardai et.al (2017)	Molecular diagnosis in children with fractures but no extraskeletal signs of osteogenesis imperfecta		X					
7	Bornsteinet.al (2017)	Universal Prenatal Chromosomal Microarray Analysis: Additive Value and Clinical Dilemmas in Fetuses with a Normal Karyotype		X					
8	Brasen et.al (2017)	Combination of real-time PCR and sequencing to detect multiple clinically relevant genetic variations in the lactase gene	X						
9	Bryce et.al (2017)	Experience with precision genomics and tumor board, indicates frequent target identification, but barriers to delivery		X		X	X		
10	Buchanan et.al (2017)	Tumor testing to identify lynch syndrome in two Australian colorectal cancer cohorts	X	X					
11	Bunnell et.al (2017)	The Clinical Utility of Next Generation Sequencing Results in a Community-Based Hereditary Cancer Risk Program		X		X			
17	Chimukangara et.al (2017)	HIV drug resistance testing among patients failing second line antiretroviral therapy. Comparison of in-house and commercial sequencing	X	X					
18	Cockerell et.al (2017)	The influence of a gene-expression signature on the treatment of diagnostically challenging melanocytic lesions		X		X			
21	Fan et.al (2017)	Diagnostic Application of Targeted Next-Generation Sequencing of 80 Genes Associated with Disorders of Sexual Development		X					
22	Fenstermaker et.al (2017)	Risk Stratification by Urinary Prostate Cancer Gene 3 Testing Before Magnetic Resonance Imaging-Ultrasound Fusion-targeted Prostate Biopsy Among Men With No History of Biopsy	X	X					
30	Hamblin et.al (2017)	Clinical applicability and cost of a 46-gene panel for genomic analysis of solid tumours: Retrospective validation and prospective audit in the UK National Health Service	X	X		X		X	
31	Haslem et.al (2017)	A retrospective analysis of precision medicine outcomes in patients with advanced cancer reveals improved progression-free survival without increased health care costs					X	X	
33	Hermel et.al (2017)	Multi-gene panel testing for hereditary cancer susceptibility in a rural Familial Cancer Program		X		X			
34	Hoang et.al (2017)	Does personal genome testing drive service utilization in an adult preventive medicine clinic?				X			
36	Jiang and You (2017)	CYP2C19 LOF and GOF-Guided Antiplatelet Therapy in Patients with Acute Coronary Syndrome: A Cost-Effectiveness Analysis					X	X	
37	Jutkowitz et.al (2017)	The cost-effectiveness of HLA-B*5801 screening to guide initial urate-lowering therapy for gout in the United States					X	X	
39	Kim et.al (2017)	Diagnostic yield of targeted gene panel sequencing to identify the genetic etiology of disorders of sex development		X					
42	Lahrouchi et.al (2017)	Utility of Post-Mortem Genetic Testing in Cases of Sudden Arrhythmic Death Syndrome		X					
43	Lai et.al (2017)	Identification of mosaic and segmental aneuploidies by next-generation sequencing in preimplantation genetic screening can improve clinical outcomes compared to array-comparative genomic hybridization		X			X		
44	Lambe et.al (2017)	Auditing the frequency and the clinical and economic impact of testing for Fabry disease in patients under the age of 70 with a stroke admitted to Saint Vincent's University Hospital over a 6-month period		X					
46	Lazaro et.al (2017)	Cost-effectiveness of a cascade screening program for the early detection of familial hypercholesterolemia					X	X	
48	Li et.al (2017)	A Multigene Test Could Cost-Effectively Help Extend Life Expectancy for Women at Risk of Hereditary Breast Cancer					X	X	
50	Mannelli et.al (2017)	CEBPA-double-mutated acute myeloid leukemia displays a unique phenotypic profile: A reliable screening method and insight into biological features	X	X					
51	Martinez et.al (2017)	High diagnostic yield of syndromic intellectual disability by targeted next-generation sequencing	X	X					
53	Mellert et.al (2017)	Development and Clinical Utility of a Blood-Based Test Service for the Rapid Identification of Actionable Mutations in Non-Small Cell Lung Carcinoma	X	X					X
55	Mitchell et.al (2017)	Economic Evaluation of a Pharmacogenomics Test for Statin-Induced Myopathy in Cardiovascular High-Risk Patients Initiating a Statin						X	
61	Nussbaum et.al (2017)	Modern treatment approaches in psychoses. Pharmacogenetic, neuroimagistic and clinical implications					X		
63	Olson et.al (2017)	Clinical Impact of Pharmacogenetic-Guided Treatment for Patients Exhibiting Neuropsychiatric Disorders: A Randomized Controlled Trial				X	X	X	
64	Page et.al (2017)	Diagnostic tests for evaluation of stillbirth: Results from the stillbirth collaborative research network			X				
66	Perucca et.al (2017)	Real-world utility of whole exome sequencing with targeted gene analysis for focal epilepsy		X		X			
71	Rubio et.al (2017)	In vitro fertilization with preimplantation genetic diagnosis for aneuploidies in advanced maternal age: a randomized, controlled study					X		
72	Seco et.al (2017)	The diagnostic yield of whole-exome sequencing targeting a gene panel for hearing impairment in the Netherlands		X					
73	Sharma et.al (2017)	An observational study of the impact of genetic testing for pain perception in the clinical management of chronic non-cancer pain				X	X		
75	Souzeau et.al (2017)	Myocilin Predictive Genetic Testing for Primary Open-Angle Glaucoma Leads to Early Identification of At-Risk Individuals		X			X		X
77	Swartz et.al (2017)	Variation in the clinical and genetic evaluation of undervirilized boys with bifid scrotum and hypospadias		X					
78	Taylo et.al (2017)	Panel-Based Clinical Genetic Testing in 85 Children with Inherited Retinal Disease		X					
80	Vermeer et.al (2017)	Transthyretin amyloidosis: a phenocopy of hypertrophic cardiomyopathy		X					
81	Weissinger et.al (2017)	Performance Testing of RREB1, MYB, and CCND1 Fluorescence in Situ Hybridization in Spindle-Cell and Desmoplastic Melanoma Argues for a Two-Step Test Algorithm	X	X					
88	Alliende et.al (2016)	Accuracy of a genetic test for the diagnosis of hypolactasia in chilean children: Comparison with the breath test	X	X					
90	Aydogan et.al (2016)	Distribution of RET mutations and evaluation of treatment approaches in hereditary medullary thyroid carcinoma in Turkey		X		X			
92	Bagnall et.al (2016)	A Prospective Study of Sudden Cardiac Death among Children and Young Adults		X					
97	Baptista et.al (2016)	Adopting genetics: Motivations and outcomes of personal genomic testing in adult adoptees					X	X	
99	Bilous et.al (2016)	Detection of notch1 c.7544-7545delct mutation in chronic lymphocytic leukemia using conventional and real- Time polymerase chain reaction	X	X					
102	Bonfanti et.al (2016)	A cost analysis of inherited colorectal cancer care in Varese Province						X	

104	Brahm et.al (2016)	Genetic Confirmation Rate in Clinically Suspected Maturity-Onset Diabetes of the Young		X					
107	Butzke et.al (2016)	The cost-effectiveness of UGT1A1 genotyping before colorectal cancer treatment with irinotecan from the perspective of the German statutory health insurance					X	X	
109	Camps et.al (2016)	Gene panel sequencing improves the diagnostic work-up of patients with idiopathic erythrocytosis and identifies new mutations	X	X					
110	Cardoso et.al (2016)	70-Gene Signature as an Aid to Treatment Decisions in Early-Stage Breast Cancer					X		
111	Castellani et.al (2016)	Cystic fibrosis carrier screening effects on birth prevalence and newborn screening		X					X
112	Chang et.al (2016)	Outcomes of in vitro fertilization with preimplantation genetic diagnosis: an analysis of the United States Assisted Reproductive Technology Surveillance Data, 2011-2012					X		
113	Chen et.al (2016)	Real-world cost-effectiveness of pharmacogenetic screening for epilepsy treatment						X	
122	Ding et.al (2016)	Identification of a panel of five serum miRNAs as a biomarker for Parkinson's disease	X						
129	Eggers et.al (2016)	Disorders of sex development: Insights from targeted gene sequencing of a large international patient cohort	X	X					
132	Evans et.al (2016)	Impact of genomic testing and patient-reported outcomes on receipt of adjuvant chemotherapy				X	X		
135	Favalli et.al (2016)	Genetic Screening of Anderson-Fabry Disease in Probands Referred From Multispecialty Clinics		X					
137	Franasiak et.al (2016)	Expanded carrier screening in an infertile population: How often is clinical decision making affected?				X			
140	Gammal et.al (2016)	Pharmacogenetics for safe codeine use in sickle cell disease				X			
143	Godino et.al (2016)	Lifestyle Advice Combined with Personalized Estimates of Genetic or Phenotypic Risk of Type 2 Diabetes, and Objectively Measured Physical Activity: A Randomized Controlled Trial					X		
149	Helbig et.al (2016)	Diagnostic exome sequencing provides a molecular diagnosis for a significant proportion of patients with epilepsy		X					
150	Hertz et.al (2016)	Next-generation sequencing of 100 candidate genes in young victims of suspected sudden cardiac death with structural abnormalities of the heart		X					
155	Italiano et.al (2016)	Clinical effect of molecular methods in sarcoma diagnosis (GENSARC): a prospective, multicentre, observational study	X	X	X	X			
157	Jang et.al (2016)	Significance of KIT exon 17 mutation depends on mutant level rather than positivity in core-binding factor acute myeloid leukemia	X	X					
161	Kang et.al (2016)	Targeted exome sequencing resolves allelic and the genetic heterogeneity in the genetic diagnosis of nephronophthisis-related ciliopathy	X	X					
165	Kotdawala et.al (2016)	Aneuploidy screening by array comparative genomic hybridization improves success rates of in vitro fertilization: A multicenter Indian study		X			X		
167	Kuperberg et.al (2016)	Utility of Whole Exome Sequencing for Genetic Diagnosis of Previously Undiagnosed Pediatric Neurology Patients		X		X			
169	Kwak et.al (2016)	Clinical whole exome sequencing in early onset diabetes patients	X	X					
171	Langer et.al (2016)	Hereditary cancer testing in patients with ovarian cancer using a 25-gene panel		X					
173	Lazaridis et.al (2016)	Outcome of Whole Exome Sequencing for Diagnostic Odyssey Cases of an Individualized Medicine Clinic: The Mayo Clinic Experience		X				X	X
179	Lingen et.al (2016)	Obtaining a genetic diagnosis in a child with disability: impact on parental quality of life							X
181	Lo, et.al (2016)	Limited Clinical Utility of Non-invasive Prenatal Testing for Subchromosomal Abnormalities	X	X					
187	Majumdar et.al (2016)	Preimplantation genetic screening for all 24 chromosomes by microarray comparative genomic hybridization significantly increases implantation rates and clinical pregnancy rates in patients undergoing in vitro fertilization with poor prognosis		X			X		
189	Mannan et.al (2016)	Detection of high frequency of mutations in a breast and/or ovarian cancer cohort: implications of embracing a multi-gene panel in molecular diagnosis in India		X					
192	Monies et.al (2016)	A first-line diagnostic assay for limb-girdle muscular dystrophy and other myopathies		X					
193	Monroe et.al (2016)	Effectiveness of whole-exome sequencing and costs of the traditional diagnostic trajectory in children with intellectual disability		X				X	
195	Murugappan et.al (2016)	Intent to treat analysis of in vitro fertilization and preimplantation genetic screening versus expectant management in patients with recurrent pregnancy loss					X		
196	Musleh et.al (2016)	Diagnosing the cause of bilateral paediatric cataracts: comparison of standard testing with a next-generation sequencing approach		X					
199	Nunn et.al (2016)	Diagnostic yield of molecular autopsy in patients with sudden arrhythmic death syndrome using targeted exome sequencing		X					
200	Nussbaum et.al (2016)	The prognostic and clinical significance of neuroimagistic and neurobiological vulnerability markers in correlation with the molecular pharmacogenetic testing in psychoses and ultra high-risk categories					X		
205	Orvieto et.al (2016)	Should pre-implantation genetic screening be implemented to routine clinical practice?	X	X					
211	Qiu et.al (2016)	Quality of Life and Psychological State in Chinese Breast Cancer Patients Who Received BRCA1/2 Genetic Testing					X		
212	Ricker et.al (2016)	Increased yield of actionable mutations using multi-gene panels to assess hereditary cancer susceptibility in an ethnically diverse clinical cohort		X		X			
215	Rudnik-Schoneborn et.al (2016)	Diagnostic algorithms in Charcot-Marie-Tooth neuropathies: experiences from a German genetic laboratory on the basis of 1206 index patients		X					
216	Sabatini et.al (2016)	Genomic Sequencing Procedure Microcosting Analysis and Health Economic Cost-Impact Analysis: A Report of the Association for Molecular Pathology						X	
217	Sakuma et.al (2016)	An effective screening strategy for deafness in combination with a next-generation sequencing platform: a consecutive analysis		X					
218	Samarakoon et.al (2016)	cnvScan: A CNV screening and annotation tool to improve the clinical utility of computational CNV prediction from exome sequencing data	X	X					
219	Schenkel et.al (2016)	Clinical Validation of Fragile X Syndrome Screening by DNA Methylation Array	X						
221	Shen et.al (2016)	Clinical Value of CYP2C19 Genetic Testing for Guiding the Antiplatelet Therapy in a Chinese Population					X		
222	Shirts et.al (2016)	Improving performance of multigene panels for genomic analysis of cancer predisposition		X					
224	Sholl et.al (2016)	Institutional implementation of clinical tumor profiling on an unselected cancer population	X	X					
226	Siu et.al (2016)	Diagnostic yield of array CGH in patients with autism spectrum disorder in Hong Kong		X					
229	Spanaki et.al (2016)	Psychosocial adjustment and quality of life in children undergoing screening in a specialist paediatric hypertrophic cardiomyopathy clinic					X		

231	Stark et.al (2016)	A prospective evaluation of whole-exome sequencing as a first-tier molecular test in infants with suspected monogenic disorders		X		X			
232	Stattin et.al (2016)	Genetic screening in sudden cardiac death in the young can save future lives		X		X			
235	Sugita et.al (2016)	Diagnostic use of fluorescence in situ hybridization in expert review in a phase 2 study of trabectedin monotherapy in patients with advanced, translocation-related sarcoma		X					
236	Sukenik-Halevy et.al (2016)	Clinical aspects of prenatally detected congenital heart malformations and the yield of chromosomal microarray analysis		X					
239	Thevenon, J. et.al (2016)	Diagnostic odyssey in severe neurodevelopmental disorders: toward clinical whole-exome sequencing as a first-line diagnostic test		X					
241	Tiegs et.al (2016)	Discrepant diagnosis rate of array comparative genomic hybridization in thawed euploid blastocysts	X	X					
243	Tortoriello et.al (2016)	Reanalysis of human blastocysts with different molecular genetic screening platforms reveals significant discordance in ploidy status	X	X					
245	Vachani et.al (2016)	Clinical Utility of a Bronchial Genomic Classifier in Patients With Suspected Lung Cancer	X	X		X			
248	Visser et.al (2016)	Long-Term Outcome of Patients Initially Diagnosed with Idiopathic Ventricular Fibrillation		X					
250	Walker et.al (2016)	Analytical Performance of Multiplexed Screening Test for 10 Antibiotic Resistance Genes from Perianal Swab Samples	X						
251	Wallbillich et.al (2016)	A personalized paradigm in the treatment of platinum-resistant ovarian cancer - A cost utility analysis of genomic-based versus cytotoxic therapy						X	
253	Wang et.al (2016)	A specially designed multi-gene panel facilitates genetic diagnosis in children with intrahepatic cholestasis: Simultaneous test of known large insertions/deletions	X	X					
257	Waterman et.al (2016)	The clinical utility of genetic testing of tissues from pregnancy losses		X					
258	Weerakkody et.al (2016)	Targeted next-generation sequencing makes new molecular diagnoses and expands genotype-phenotype relationship in Ehlers-Danlos syndrome		X					
260	Wevers et.al (2016)	Does rapid genetic counseling and testing in newly diagnosed breast cancer patients cause additional psychosocial distress? Results from a randomized clinical trial		X			X		
262	Wou et.al (2016)	Analysis of tissue from products of conception and perinatal losses using QF-PCR and microarray: A three-year retrospective study resulting in an efficient protocol	X	X					
264	Yablonski-Peretz et.al (2016)	Screening for germline mutations in breast/ovarian cancer susceptibility genes in high-risk families in Israel		X					
265	Yadav et.al (2016)	Outcomes of retesting BRCA negative patients using multigene panels		X		X			
268	Yao et.al (2016)	Adult autoinflammatory disease frequency and our diagnostic experience in an adult autoinflammatory clinic		X					
272	Yubero et.al (2016)	Targeted Next Generation Sequencing in Patients with Inborn Errors of Metabolism		X					
274	Zhang et.al (2016)	Clinical application of next-generation sequencing in preimplantation genetic diagnosis cycles for Robertsonian and reciprocal translocations		X			X		
276	Zhao et.al (2016)	c-myc Gene Copy Number Variation in Cervical Exfoliated Cells Detected on Fluorescence in situ Hybridization for Cervical Cancer Screening	X	X					
278	Zimmerman et.al (2016)	Development and validation of concurrent preimplantation genetic diagnosis for single gene disorders and comprehensive chromosomal aneuploidy screening without whole genome amplification	X	X			X		
280	Akinrinade et.al (2015)	Genetics and genotype-phenotype correlations in Finnish patients with dilated cardiomyopathy	X	X					
283	Alvarado et.al (2015)	The impact of genomic testing on the recommendation for radiation therapy in patients with ductal carcinoma in situ: A prospective clinical utility assessment of the 12-gene DCIS scoreTM result				X			
284	Ankala et.al (2015)	A comprehensive genomic approach for neuromuscular diseases gives a high diagnostic yield	X	X					
285	Antoniadi et.al (2015)	Application of targeted multi-gene panel testing for the diagnosis of inherited peripheral neuropathy provides a high diagnostic yield with unexpected phenotype-genotype variability	X	X					
288	Audrezet et.al (2015)	Comprehensive CFTR gene analysis of the French cystic fibrosis screened newborn cohort: implications for diagnosis, genetic counseling, and mutation-specific therapy.[Erratum appears in Genet Med. 2015 Jan;17(1):93; PMID: 25569554]	X	X					
289	Badani et.al (2015)	Effect of a genomic classifier test on clinical practice decisions for patients with high-risk prostate cancer after surgery				X			
292	Baxter et.al (2015)	Exome sequencing for the diagnosis of 46,XY disorders of sex development	X	X					
293	Beltran et.al (2015)	Whole-Exome Sequencing of Metastatic Cancer and Biomarkers of Treatment Response	X	X		X			
294	Bennette et.al (2015)	The cost-effectiveness of returning incidental findings from next-generation genomic sequencing					X	X	
296	Blank et.al (2015)	Cost-Effectiveness Analysis of Prognostic Gene Expression Signature-Based Stratification of Early Breast Cancer Patients					X	X	
298	Bloss et.al (2015)	A genome sequencing program for novel undiagnosed diseases.[Erratum appears in Genet Med. 2015 Jun;17(6):515; PMID: 26035803]	X	X		X			
301	Boutry-Kryza et.al (2015)	Molecular characterization of a cohort of 73 patients with infantile spasms syndrome		X					
303	Buckley et.al (2015)	Current Practice and Utility of Chromosome Microarray Analysis in Infants Undergoing Cardiac Surgery		X				X	
307	Capalbo et.al (2015)	Comparison of array comparative genomic hybridization and quantitative real-time PCR-based aneuploidy screening of blastocyst biopsies	X	X					
314	Coenen et.al (2015)	Identification of Patients With Variants in TPMT and Dose Reduction Reduces Hematologic Events During Thiopurine Treatment of Inflammatory Bowel Disease					X		
317	D'Argenio et.al (2015)	The molecular analysis of BRCA1 and BRCA2: Next-generation sequencing supersedes conventional approaches	X	X					
318	De Franco et.al (2015)	The effect of early, comprehensive genomic testing on clinical care in neonatal diabetes: An international cohort study		X					X
322	Dinan et.al (2015)	Association Between Use of the 21-Gene Recurrence Score Assay and Receipt of Chemotherapy Among Medicare Beneficiaries With Early-Stage Breast Cancer, 2005-2009				X			
325	Elias et.al (2015)	Clinical relevance and cost-effectiveness of HLA genotyping in children with Type 1 diabetes mellitus in screening for coeliac disease in the Netherlands		X				X	
326	Esplen et.al (2015)	Long-term psychosocial and behavioral adjustment in individuals receiving genetic test results in Lynch syndrome					X		
332	Garza et.al (2015)	Development of a high-resolution melting curve analysis screening test for SRSF2 splicing factor gene mutations in myelodysplastic syndromes	X	X					
334	Ghaoui et.al (2015)	Use of Whole-Exome Sequencing for Diagnosis of Limb-Girdle Muscular Dystrophy Outcomes and Lessons Learned		X					

337	Greco et.al (2015)	Poorly differentiated neoplasms of unknown primary site: diagnostic usefulness of a molecular cancer classifier assay		X		X	X		
343	Hartz et.al (2015)	Return of individual genetic results in a high-risk sample: Enthusiasm and positive behavioral change					X		
345	Hayeems et.al (2015)	Capturing the clinical utility of genomic testing: medical recommendations following pediatric microarray		X		X			
349	Howarth et.al (2015)	Initial Results of Multigene Panel Testing for Hereditary Breast and Ovarian Cancer and Lynch Syndrome		X					
354	Jia et.al (2015)	The Diagnostic Value of Next Generation Sequencing in Familial Nonsyndromic Congenital Heart Defects	X	X					
357	Justino et.al (2015)	Comprehensive massive parallel DNA sequencing strategy for the genetic diagnosis of the neuro-cardio-facio-cutaneous syndromes	X	X					
359	Kaimal et.al (2015)	Prenatal Testing in the Genomic Age: Clinical Outcomes, Quality of Life, and Costs	X	X			X	X	
362	Kapoor et.al (2015)	Multigene Panel Testing Detects Equal Rates of Pathogenic BRCA1/2 Mutations and has a Higher Diagnostic Yield Compared to Limited BRCA1/2 Analysis Alone in Patients at Risk for Hereditary Breast Cancer		X					
363	Kapoor et.al (2015)	Reducing hypersensitivity reactions with HLA-B*5701 genotyping before abacavir prescription: Clinically useful but is it cost-effective in Singapore?					X	X	
365	Kharrazi et.al (2015)	Newborn Screening for Cystic Fibrosis in California		X					X
366	Kim et.al (2015)	The NEXT-1 (Next generation pErsonalized tX with mulTi-omics and preclinical model) trial: Prospective molecular screening trial of metastatic solid cancer patients, a feasibility analysis	X	X		X	X		
367	Konialis and Pangalos (2015)	Dilemmas in Prenatal Chromosomal Diagnosis Revealed Through a Single Center's 30 Years' Experience and 90,000 Cases		X					
369	Kraus et.al (2015)	Comprehensive screening for mutations associated with colorectal cancer in unselected cases reveals penetrant and nonpenetrant mutations		X					
370	Ladapo et.al (2015)	Enhanced assessment of chest pain and related symptoms in the primary care setting through the use of a novel personalized medicine genomic test: results from a prospective registry study		X		X	X		
371	Lanman et.al (2015)	Analytical and Clinical Validation of a Digital Sequencing Panel for Quantitative, Highly Accurate Evaluation of Cell-Free Circulating Tumor DNA	X	X					
372	Le Tourneau et.al (2015)	Molecularly targeted therapy based on tumour molecular profiling versus conventional therapy for advanced cancer (SHIVA): a multicentre, open-label, proof-of-concept, randomised, controlled phase 2 trial					X		
373	Lee et.al (2015)	High Diagnostic Yield of Whole Exome Sequencing in Participants with Retinal Dystrophies in a Clinical Ophthalmology Setting		X					
375	Lincoln et.al (2015)	A Systematic Comparison of Traditional and Multigene Panel Testing for Hereditary Breast and Ovarian Cancer Genes in More Than 1000 Patients	X	X					
377	Lipkus et.al (2015)	A preliminary exploration of college smokers' reactions to nicotine dependence genetic susceptibility feedback					X		
380	Lukaszuk et.al (2015)	Routine use of next-generation sequencing for preimplantation genetic diagnosis of blastomeres obtained from embryos on day 3 in fresh in vitro fertilization cycles					X		
381	Luzon-Toro et.al (2015)	Next-generation-based targeted sequencing as an efficient tool for the study of the genetic background in Hirschsprung patients	X						
383	Machens and Dralle (2015)	Therapeutic Effectiveness of Screening for Multiple Endocrine Neoplasia Type 2A				X	X		X
385	Manchanda et.al (2015)	Cost-effectiveness of population screening for BRCA mutations in Ashkenazi jewish women compared with family history-based testing					X	X	
386	Manchanda et.al (2015)	Population testing for cancer predisposing BRCA1/BRCA2 mutations in the Ashkenazi-Jewish community: a randomized controlled trial		X			X		
390	Meisel et.al (2015)	Genetic susceptibility testing and readiness to control weight: Results from a randomized controlled trial					X		
391	Mercimek-Mahmutoglu et.al (2015)	Diagnostic yield of genetic testing in epileptic encephalopathy in childhood		X					
396	Mody et.al (2015)	Integrative clinical sequencing in the management of refractory or relapsed cancer in youth		X		X	X		
397	Mohd et.al (2015)	Spectrum of germ-line RB1 gene mutations in Malaysian patients with retinoblastoma		X					
400	Morishita et.al (2015)	Melting curve analysis after T allele enrichment (MelcaTle) as a highly sensitive and reliable method for detecting the JAK2V617F mutation	X						
402	Murugappan et.al (2015)	Cost-effectiveness analysis of preimplantation genetic screening and in vitro fertilization versus expectant management in patients with unexplained recurrent pregnancy loss					X	X	
405	Narita et.al (2015)	Cost-effectiveness analysis of EGFR mutation testing and gefitinib as first-line therapy for non-small cell lung cancer					X	X	
406	Neufeld-Kaiser et.al (2015)	Positive predictive value of non-invasive prenatal screening for fetal chromosome disorders using cell-free DNA in maternal serum: independent clinical experience of a tertiary referral center	X	X					
410	Proost et.al (2015)	Performant Mutation Identification Using Targeted Next-Generation Sequencing of 14 Thoracic Aortic Aneurysm Genes	X	X					
412	Rajkumar et.al (2015)	Targeted Resequencing of 30 Genes Improves the Detection of Deleterious Mutations in South Indian Women with Breast and/or Ovarian Cancers		X					
414	Reiff et.al (2015)	Parents' Perceptions of the Usefulness of Chromosomal Microarray Analysis for Children with Autism Spectrum Disorders							X
416	Riuro et.al (2015)	Genetic analysis, in silico prediction, and family segregation in long QT syndrome		X					
417	Romei et.al (2015)	Twenty years of lesson learning: how does the RET genetic screening test impact the clinical management of medullary thyroid cancer?		X					
419	Rujirabanjerd et.al (2015)	Subtelomeric aberrations in Thai patients with idiopathic mental retardation and autism detected by multiplex ligation-dependent probe amplification		X					
420	Sagoo et.al (2015)	Cost Effectiveness of Using Array-CGH for Diagnosing Learning Disability		X				X	
421	Sakai et.al (2015)	Extended RAS and BRAF Mutation Analysis Using Next-Generation Sequencing	X	X					
422	Severin et.al (2015)	Economic evaluation of genetic screening for Lynch syndrome in Germany					X	X	
423	Shiffman et.al (2015)	Genetic risk for atrial fibrillation could motivate patient adherence to warfarin therapy: A cost effectiveness analysis						X	
426	Smyth et.al (2015)	Economic impact of 21-gene recurrence score testing on early-stage breast cancer in Ireland				X		X	
427	Snowsill et.al (2015)	A model-based assessment of the cost-utility of strategies to identify Lynch syndrome in early-onset colorectal cancer patients				X	X	X	
431	Takeda et.al (2015)	Clinical application of amplicon-based next-generation sequencing to therapeutic decision making in lung cancer		X		X	X		
434	Taylor et.al (2015)	Factors influencing success of clinical genome sequencing across a broad spectrum of disorders		X					

435	Tsai et.al (2015)	Cost-effectiveness analysis of carrier and prenatal genetic testing for X-linked hemophilia						X	
436	Valencia et.al (2015)	Clinical impact and cost-effectiveness of whole exome sequencing as a diagnostic tool: a pediatric center's experience	X	X		X			
440	Voils et.al (2015)	Does Type 2 Diabetes Genetic Testing and Counseling Reduce Modifiable Risk Factors? A Randomized Controlled Trial of Veterans					X		
441	Waldmuller et.al (2015)	Targeted 46-gene and clinical exome sequencing for mutations causing cardiomyopathies	X	X					
443	Willig et.al (2015)	Whole-genome sequencing for identification of Mendelian disorders in critically ill infants: a retrospective analysis of diagnostic and clinical findings		X		X	X		X
444	Winner et.al (2015)	Combinatorial pharmacogenomic guidance for psychiatric medications reduces overall pharmacy costs in a 1 year prospective evaluation						X	
445	Wirrell et.al (2015)	How should children with West syndrome be efficiently and accurately investigated? Results from the National Infantile Spasms Consortium		X					
446	Yang et.al (2015)	Randomized comparison of next-generation sequencing and array comparative genomic hybridization for preimplantation genetic screening: A pilot study	X	X			X		
449	Zheng et.al (2015)	Application of next-generation sequencing for 24-chromosome aneuploidy screening of human preimplantation embryos		X					
450	Zhu et.al (2015)	Whole-exome sequencing in undiagnosed genetic diseases: interpreting 119 trios		X					
451	Ziganshin et.al (2015)	Routine Genetic Testing for Thoracic Aortic Aneurysm and Dissection in a Clinical Setting		X					