Erratum

Genomic medicine: challenges and opportunities for physicians

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Clinical Medicine 2012;5:416-9.

Errors were introduced to Table 1 in this article during typesetting. The 'Genetically predisposed subgroup' cell of the breast cancer row should read 'About 5% of cancers will be largely due to inheritance of a mutation in *BRCA1* or *BRCA2*', and the 'Importance of molecular diagnosis in management' cell of breast cancer should read 'Further preventive management for breast cancer and/or ovarian cancer (eg mammography or MRI; prophylactic surgery of breasts and /or ovaries)'. The 'Genetically predisposed subgroup' cell of the bowel cancer row should read 'About 5% of all cancers will be due, in large part, to inheritance of a mutated gene: eg familial polyposis, Lynch syndrome or *MutYH* polyposis' and the 'Importance of molecular diagnosis in management' cell for bowel cancer should read 'Consideration of other at-risk organs (eg uterus or ovaries in Lynch syndrome)'.

The corrected table is printed here.

Condition/disease/ presentation to mainstream clinical specialist	Genetically predisposed subgroup	Underlying genetic variation	Importance of molecular diagnosis in management*
Arrhythmia/syncope/SCD	 Ion channelopathies (eg LQT syndrome) 	 Several different genes related to LQT syndrome that, if mutated, predispose to arrhythmias and SCD 	 Preventive treatments such as β blockers Implantable defibrillator
Breast cancer	About 5% of cancers will be largely due to inheritance of a mutation in <i>BRCA1</i> or <i>BRCA2</i>	• BRCA1 and BRCA2 mutations	Further preventive management for breast cancer and/or ovarian cancer (eg mammography or MRI; prophylactic surgery of breasts and /o ovaries)
Bowel cancer	 About 5% of all cancers will be due, in large part, to inheritance of a mutated gene: eg familial polyposis, Lynch syndrome or MutYH polyposis 	 APC gene-related familial polyposis Mismatch repair genes (eg MSH2, Mlh1) Mutations in MYH (recessive inheritance) 	 Colonoscopic surveillance and remove of adenomas Consideration of other at-risk organs (eg uterus or ovaries in Lynch syndrome) Aspirin to reduce incidence of adenomas
Diabetes	Maturity-onset diabetes in young people	Mutations in MODY gene	 Respond to treatment with sulphonylurea, so insulin treatment may not be necessary
High cholesterol/premature CHD	 Familial hypercholesterolaemia Young age of onset of high cholesterol 	LDL receptor gene or apolipoprotein B gene	Treatment with statins, using high- intensity statins as necessary
Dbesity	 Severe, early-onset obesity that may be associated with severe insulin resistance and other endocrinological disturbances 	 Genes involved in production of leptin, which is involved in regulation of appetite) and downstream pathways 	 Stringent restriction of access to food in patients with monogenic obesity leptin treatment in some
Congenital deafness	Usher's syndrome	 At least 11 different genetic loci; recessive condition, so both parents need to be carriers 	 Recognition of Usher's syndrome is important, as the child will also lose vision and so should have early intervention to enhance communication (eg cochlear implantation)