

# Monosomy

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Monosomy is a form of aneuploidy with the presence of only one chromosome from a pair. Partial monosomy occurs when only a portion of the chromosome has one copy, while the rest has two copies.



## Recent Publications on Monosomy:

- [Cryptic chromosome rearrangement resulting in SYT-SSX2 fusion gene in a monophasic synovial sarcoma.](#)  
*Synovial sarcoma is cytogenetically characterized by the specific...*31st December, 2008  
Department of Genetics, Portuguese Oncology Institute, Rua Dr. Antonio- Cancer Genet Cytogenet. 2008 Nov;187(1):45-9. ([DOI Direct Link](#))
- [Chromophobe renal cell carcinoma: useful diagnostic application of imprint cytology and fluorescence in situ hybridization of chromosomes 10 and 21 in two cases of typical and eosinophilic variants.](#)  
*Chromophobe renal cell carcinoma (RCC) is subdivided into typical and...*25th December, 2008  
Departments of Diagnostic Pathology, Kochi Red Cross Hospital, 2-13-51- Med Mol Morphol. 2008 Dec;41(4):227-32. Epub 2008 Dec 24. ([DOI Direct Link](#))
- [\[HER2 status in breast cancer of Chinese women: a study of 1170 cases using fluorescence in-situ hybridization\]](#)  
*OBJECTIVE: To assess the prevalence of HER2 amplification according to...*20th December, 2008  
Department of Pathology, Peking Union Medical College Hospital, Chinese- Zhonghua Bing Li Xue Za Zhi. 2008 Sep;37(9):594-8.
- [Chromosomal abnormalities in miscarriages after different assisted reproduction procedures.](#)  
*About 10-15% of all recognised pregnancies end in spontaneous abortion and...*20th December, 2008  
Cytogenetic and Medical Genetic Laboratory, Operative Unit of Clinical- Placenta. 2008 Oct;29 Suppl B:126-8. ([DOI Direct Link](#))
- [\[Amenorrhoea and X chromosome abnormalities\]](#)  
*PURPOSE: to correlate the clinical manifestations of patients with...*17th December, 2008  
Complexo Hospitalar Santa Casa de Porto Alegre, Universidade Federal de- Rev Bras Ginecol Obstet. 2008 Oct;30(10):511-7.
- [Prenatal diagnosis of monosomy 1p36: a focus on brain abnormalities and a review of the literature.](#)  
*Monosomy 1p36 is an increasingly recognized chromosomal anomaly. We...*17th December, 2008  
Department of Human Genetics, McGill University, Montreal, Quebec, Canada.- Am J Med Genet A. 2008 Dec 1;146A(23):3062-9. ([DOI Direct Link](#))
- [Agenesis of the corpus callosum in Turner's syndrome: report of a case and review of the literature.](#)  
*Turner's syndrome (TS) is a genetic disorder caused by loss of entire or a...*17th December, 2008  
Department of Neurology, Chang Gung Memorial Hospital, College of- Acta Neurol Taiwan. 2008 Sep;17(3):194-8.

- [Clinical and molecular cytogenetic characterization of four patients with unbalanced translocation der\(1\)t\(1;22\)\(p36;q13\).](#)  
*Deletion of chromosome 1p36 is the most commonly observed terminal...* 17th December, 2008  
School of Molecular Biosciences, Washington State University, Spokane,- Am J Med Genet A. 2008 Nov 1;146A(21):2777-84. ([DOI Direct Link](#))
- [P53 apoptosis mediator PERP: localization, function and caspase activation in uveal melanoma.](#)  
*PERP (p53 apoptosis effector related to PMP-22) is a transcriptional...* 2nd December, 2008  
Unit of Ophthalmology, School of Clinical Sciences, University of- J Cell Mol Med. 2008 Nov 14. ([DOI Direct Link](#))
- [Phenotypical manifestations of partial trisomy 9 and monosomy 4 in two siblings.](#)  
*In this case report, we describe two siblings with a previously unreported...* 29th November, 2008  
Department of Neurosurgery, University of Mississippi Medical Center, 2500- Neurol Sci. 2008 Dec;29(6):467-70. Epub 2008 Nov 27. ([DOI Direct Link](#))
- [Subtle familial translocation t\(11;22\)\(q24.2;q13.33\) resulting in Jacobsen syndrome and distal trisomy 22q13.3: further details of genotype-phenotype maps.](#)  
*We report on 3 kindred patients with terminal 11q monosomy and distal 22q...* 26th November, 2008  
Center for Medical Genetics, Poznan, Poland.- J Appl Genet. 2008;49(4):397-405.
- [Twelve new patients with 13q deletion syndrome: Genotype-phenotype analyses in progress.](#)  
*13q deletion is characterized by a wide phenotypic spectrum resulting from...* 22nd November, 2008  
Service de Genetique Medicale, CHU Hopital Sud, 16 boulevard de Bulgarie,- Eur J Med Genet. 2008 Oct 31. ([DOI Direct Link](#))
- [Array comparative genomic hybridisation-based identification of two imbalances of chromosome 1p in a 9-year-old girl with a monosomy 1p36 related phenotype and a family history of learning difficulties: a case report.](#)  
*ABSTRACT: INTRODUCTION: Monosomy 1p36 is one of the most common terminal...* 21st November, 2008  
Regional Cytogenetics Unit, Saint Mary's Hospital, Hathersage Road,- J Med Case Reports. 2008 Nov 19;2:355. ([DOI Direct Link](#))
- [Familial translocation t\(3;10\) \(p26.3;p12.31\) leading to trisomy 10p12.31-->pter and monosomy 3p26.3-->pter in seven members.](#)  
*ABSTRACT: INTRODUCTION: Monosomy 1p36 is one of the most common terminal...* 18th November, 2008  
Institute of Neurogenetic and Neuropharmacology of CNR, Monserrato,- Am J Med Genet A. 2008 Dec 15;146A(24):3242-5. ([DOI Direct Link](#))
- [Genotype-phenotype correlations in Down syndrome identified by array CGH in 30 cases of partial trisomy and partial monosomy chromosome 21.](#)  
*Down syndrome (DS) is one of the most frequent congenital birth defects,...* 13th November, 2008  
[1] 1Department of Genetic Medicine and Development, University of Geneva- Eur J Hum Genet. 2008 Nov 12. ([DOI Direct Link](#))

## Monosomy Clinical Trials:



- [Lenalidomide in High-Risk MDS and AML With Del\(5q\) or Monosomy 5](#)





## Monosomy Patents:

- 6573043- [Tissue analysis and kits therefor](#)
- 6833247- [Regulated prostate cancer genes](#)
- 6835867- [Allelic series of genomic modifications in cells](#)
- 6905830- [Tissue analysis and kits therefor](#)
- 6911456- [Use of estrogen antagonists and estrogen agonists in inhibiting pathological conditions](#)
- 6955899- [Adipocyte complement related protein zacrp13](#)
- 6977162- [Rapid analysis of variations in a genome](#)
- 7005254- [LETM1: modulators of cellular proliferation](#)
- 7014997- [Chromosome structural abnormality localization with single copy probes](#)
- 7018806- [Method for identifying endocrine disruptors and kit for carrying out the same](#)
- 7070954- [Isolated SH3 genes associates with myeloproliferative disorders and leukemia and uses thereof](#)
- 6833239- [Methods to identify modulators of FKHL7 DNA-binding activity](#)
- 6828097- [Single copy genomic hybridization probes and method of generating same](#)
- 6803206- [Method for identifying endocrine disruptors and kit for carrying out the same](#)
- 6589485- [Solid support for mass spectrometry](#)
- 6602662- [DNA diagnostics based on mass spectrometry](#)
- 6613796- [Use of estrogen antagonists and estrogen agonists in inhibiting pathological conditions](#)
- 6692748- [Adipocyte complement related protein zacrp3x2 and nucleic acids encoding zacrp3x2](#)
- 6706530- [IR-MALDI mass spectrometry of nucleic acids using liquid matrices](#)
- 6716965- [Adipocyte complement related protein zacrp13](#)
- 6723564- [IR MALDI mass spectrometry of nucleic acids using liquid matrices](#)
- 6723893- [Mice having a mutant SOD-1-encoding transgene](#)
- 6737413- [SOX-9 gene and protein and use in the regeneration of bone or cartilage](#)
- 6803195- [Facile detection of cancer and cancer risk based on level of coordination between alleles](#)
- 7074563- [Mass spectrometric methods for detecting mutations in a target nucleic acid](#)
- 7083940- [Pregnancy-associated plasma protein-A2 \(PAPP-A2\)](#)
- 7335470- [Compilations of nucleic acids and arrays and methods of using them](#)
- 7344840- [Tissue analysis and kits therefor](#)
- 7361752- [RNAi modulation of MLL-AF4 and uses thereof](#)
- 7368234- [Physical mapping method using molecular combing technique allowing positioning of a great number of clones within a genome](#)
- 7371736- [Gene expression profiling based identification of DKK1 as a potential therapeutic targets for controlling bone loss](#)
- 7419787- [Mass spectrometric methods for detecting mutations in a target nucleic acid](#)
- 7439346- [Nucleic acids arrays and methods of use therefor](#)
- 7442506- [Methods for detection of genetic disorders](#)
- 7456018- [Human hepatoma lines, methods for obtaining same and uses thereof](#)
- 7468249- [Detection of chromosomal disorders](#)
- 7332277- [Methods for detection of genetic disorders](#)
- 7308364- [Diagnosis of multiple myeloma on gene expression profiling](#)
- 7252974- [Human growth gene and short stature gene region](#)
- 7094534- [Detection of chromosomal abnormalities associated with breast cancer](#)
- 7102056- [Compositions and methods for plant transformation and regeneration](#)

- 7129051- [Tissue analysis and kits therefor](#)
- 7169897- [Adipocyte complement related protein ZACRP3X2](#)
- 7198893- [DNA diagnostics based on mass spectrometry](#)
- 7208274- [Rapid analysis of variations in a genome](#)
- 7232655- [Method and probe set for detecting cancer](#)
- 7238484- [Comparative genomic hybridization](#)
- 7250496- [Bioinformatically detectable group of novel regulatory genes and uses thereof](#)
- 7252946- [Nucleic acid detection](#)
- 7468252- [Methods for tissue analysis](#)

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