Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 13, 2025

Generation R Pediatric MRI Resources

RRID:SCR_014114
Type: Tool

Proper Citation

Generation R Pediatric MRI Resources (RRID:SCR_014114)

Resource Information

URL: http://www.nitrc.org/projects/genr/

Proper Citation: Generation R Pediatric MRI Resources (RRID:SCR_014114)

Description: An MRI resource which provides age-appropriate images of children. It includes an average, age-appropriate T1-weighted image, constructed from 130 typically developing children ages 6-to-10 and a set of 32 resting-state ICA components. These components were generated from 494 typically developing children, ages 6-to-10 years old, using the MELODIC ICA tool, bootstrapped with 1000 resamples. Both of these resources are described in detail in a manuscript submitted for publication.

Resource Type: data or information resource, image collection

Keywords: image collection, mri, children, ti weighted

Funding:

Resource Name: Generation R Pediatric MRI Resources

Resource ID: SCR_014114

Record Creation Time: 20220129T080319+0000

Record Last Update: 20250411T055646+0000

Ratings and Alerts

No rating or validation information has been found for Generation R Pediatric MRI Resources.

No alerts have been found for Generation R Pediatric MRI Resources.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Bolhuis K, et al. (2024) Neurocognition and academic achievement among bereaved children in the Generation R Cohort. Scientific reports, 14(1), 21187.

Caramaschi D, et al. (2020) Epigenome-wide association study of seizures in childhood and adolescence. Clinical epigenetics, 12(1), 8.

Gervin K, et al. (2019) Systematic evaluation and validation of reference and library selection methods for deconvolution of cord blood DNA methylation data. Clinical epigenetics, 11(1), 125.

Clemens E, et al. (2019) Genetic Determinants of Ototoxicity During and After Childhood Cancer Treatment: Protocol for the PanCareLIFE Study. JMIR research protocols, 8(3), e11868.

Magnus MC, et al. (2018) Vitamin D and risk of pregnancy related hypertensive disorders: mendelian randomisation study. BMJ (Clinical research ed.), 361, k2167.

Verhoeff ME, et al. (2018) The bidirectional association between sleep problems and autism spectrum disorder: a population-based cohort study. Molecular autism, 9, 8.

Sharp GC, et al. (2018) Maternal alcohol consumption and offspring DNA methylation: findings from six general population-based birth cohorts. Epigenomics, 10(1), 27.

Hamoen M, et al. (2018) Dynamic prediction of childhood high blood pressure in a population-based birth cohort: a model development study. BMJ open, 8(11), e023912.

van der Kooi ALF, et al. (2018) Genetic variation in gonadal impairment in female survivors of childhood cancer: a PanCareLIFE study protocol. BMC cancer, 18(1), 930.

Richmond RC, et al. (2017) Using Genetic Variation to Explore the Causal Effect of Maternal Pregnancy Adiposity on Future Offspring Adiposity: A Mendelian Randomisation Study. PLoS medicine, 14(1), e1002221.

Rijlaarsdam J, et al. (2016) An epigenome-wide association meta-analysis of prenatal maternal stress in neonates: A model approach for replication. Epigenetics, 11(2), 140.

de Kroon ML, et al. (2016) Prediction of Preadolescent Overweight and Poor Cardiometabolic Outcome in Children up to 6 Years of Age: Research Protocol. JMIR research protocols, 5(2), e85.

Kemp JP, et al. (2014) Phenotypic dissection of bone mineral density reveals skeletal site specificity and facilitates the identification of novel loci in the genetic regulation of bone mass attainment. PLoS genetics, 10(6), e1004423.

Mackenbach JD, et al. (2014) Exploring the relation of harsh parental discipline with child emotional and behavioral problems by using multiple informants. The generation R study. PloS one, 9(8), e104793.

Hafkamp-de Groen E, et al. (2012) Predicting asthma in preschool children with asthma symptoms: study rationale and design. BMC pulmonary medicine, 12, 65.