

A systematic review of the neurobiological correlates of minority stress in lesbian, gay, and bisexual populations: Elucidating mechanisms of risk and resiliency for stress and trauma-related symptoms

We will combine two different sets of keywords via the AND-operator, relating to (1) sexual orientation/sexual minority status, and (2) neural correlates. Given the heterogeneous terminology with regard to the concept and specific forms of minority stress, we do not include a separate set of search terms related to this construct, as this would unduly limit our search. Rather, we will manually code for minority stress-related concepts within sexual minority neuroimaging studies.

Web of Science (all databases)

1

TS=(bisexual* OR gay OR gays OR homosexual* OR lesbigay OR LGB* OR lesbian* OR “men who have sex with men” OR “men having sex with men” OR “men who have sex with women and men” OR “men having sex with women and men” OR “same gender loving” OR “same sex attracted” OR “same sex relation” OR “sexual minorit*” OR “sexual and gender minorit*” OR “sexual identity” OR “sexual orientation” OR “sexual preference” OR “women who have sex with women” OR “women having sex with women” OR “women who have sex with men and women” OR “women having sex with men and women” OR WSW)

2

TS=(“blood oxygen level dependent” OR “bold signal” OR “bold response” OR “bold contrast” OR “diffusion tensor imag*” OR fmri OR “functional mri” OR “functional imag*” OR “functional magnetic resonance imaging” OR “magnetic imag*” OR “magnetic resonance imag*” OR “magnetic resonance spectrometry” OR “positron emission tomography” OR “single-photon emission computed tomography” OR “functional connectivity” OR “neuroimag*” OR “neuro imag*” OR “brain imag*” OR cortex OR cortical)

1 AND #2

Scopus

TITLE-ABS-KEY(bisexual* OR gay OR gays OR homosexual* OR lesbigay OR lgb* OR lesbian* OR "men who have sex with men" OR "men having sex with men" OR "men who have sex with women and men" OR "men having sex with women and men" OR "same gender loving" OR "same sex attracted" OR "same sex relation" OR "sexual minorit*" OR "sexual and gender minorit*" OR "sexual identity" OR "sexual orientation" OR "sexual preference" OR "women who have sex with women" OR "women having sex with women" OR "women who have sex with men and women" OR "women having sex with men and women" OR wsw)

TITLE-ABS-KEY("blood oxygen level dependent" OR "bold signal" OR "bold response" OR "bold contrast" OR "diffusion tensor imag*" OR fmri OR "functional mri" OR "functional imag*" OR "functional magnetic resonance imaging" OR "magnetic imag*" OR "magnetic resonance imag*" OR "magnetic resonance spectrometry" OR "positron emission tomography" OR "single-photon emission computed tomography" OR "functional connectivity" OR "neuroimag*" OR "neuro imag*" OR "brain imag*" OR cortex OR cortical)

PubMed

bisexual*[tiab] OR gay[tiab] OR gays[tiab] OR homosexual*[tiab] OR lesbigay[tiab] OR LGB*[tiab] OR lesbian*[tiab] OR "men who have sex with men"[tiab] OR "men having sex with men"[tiab] OR "men who have sex with women and men"[tiab] OR "men having sex with women and men"[tiab] OR "same gender loving"[tiab] OR "same sex attracted"[tiab] OR "same sex relation"[tiab] OR "sexual minorities"[tiab] OR "sexual minority"[tiab] OR "sexual and gender minority"[tiab] OR "sexual and gender minorities"[tiab] OR "sexual identity"[tiab] OR "sexual orientation"[tiab] OR "sexual preference"[tiab] OR "women who have sex with women"[tiab] OR "women having sex with women"[tiab] OR "women who have sex with men and women"[tiab] OR "women having sex with men and women"[tiab] OR WSW[tiab] OR homosexuality[MeSH Terms] OR bisexuality[MeSH Terms] OR "sexual and gender minorities"[MeSH Terms]

“blood oxygen level dependent”[tiab] OR “bold signal”[tiab] OR “bold response”[tiab] OR
“bold contrast”[tiab] OR “diffusion tensor imaging”[tiab] OR “diffusion tensor image”[tiab]
OR fmri[tiab] OR “functional mri”[tiab] OR “functional imaging”[tiab] OR “functional
image”[tiab] OR “functional magnetic resonance imaging”[tiab] OR “magnetic
imaging”[tiab] OR “magnetic image”[tiab] OR “magnetic resonance imaging”[tiab] OR
“magnetic resonance image”[tiab] OR “magnetic resonance spectrometry”[tiab] OR “positron
emission tomography”[tiab] OR “single-photon emission computed tomography”[tiab] OR
“functional connectivity”[tiab] OR neuroimag*[tiab] OR “neuro imaging”[tiab] OR “neuro
image”[tiab] OR “brain imaging”[tiab] OR “brain image”[tiab] OR cortex[tiab] OR
cortical[tiab] OR “magnetic resonance imaging”[MeSH Terms] OR “diffusion tensor
imaging”[MeSH Terms] OR “positron-emission tomography”[MeSH Terms] OR
“tomography, emission-computed, single-photon”[MeSH Terms]