

Introduction

• Allostatic (AL), load as an body's the of assessment physiological response to stress, both chronic and acute.

Frequency of migraine changes across a woman's lifetime with the most attacks seen:

- Early follicular or late luteal phase of a menstrual cycle
- First trimester of pregnancy
- During the perimenopausal period

Public Health Significance

- the influence of • To examine predictors of higher allostatic load in perimenopausal migraineurs
- To identify potential modifiable risk factors that could reduce the burden of the disease for women going through menopause

Materials

- Data from the Study of Women's Health Across the Nation(SWAN)
- A multisite prospective study of health through women's menopausal transition
- Baseline assessment 1996/1997 10 waves of subsequent annual assessment
- Used 2,881 women from the first wave.
- Population size for analysis 2428

Allostatic Load in Perimenopausal Women with Migraine

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Baseline Characteristics of Patients

Characteristics	Migraineur	Control	p -Value
	N = 403	N = 2,025	
Age (mean ± SD years)	46.9 ± 2.81	46.9 ± 2.71	0.59
Race (n, %)			0.01
Caucasian	224 (55.5%)	931 (45.98)	
Black	103 (25.6%)	528 (26.1%)	
Hispanic	32 (7.94%)	149 (7.36)	
Asian (Japanese/Chinese)	44 (10.9%)	471 (20.59)	
BMI (n, %)			<0.09
Normal	127 (34.4%)	685 (39.48%)	
Overweight	109 (29.5%)	459 (26.46%)	
Obese	128 (34.9%)	566 (32.62%)	
Underweight	5 (1.36%)	25 (1.44%)	
Income (n, %)			0.42
<\$19,999	45 (12.61%)	171 (10.23%)	
\$20,000-\$49,999	110 (30.81%)	517 (31.1%)	
\$50,000-\$99,999	141 (39.50%)	754 (38.7%)	
\$100,000 or more	61 (17.09%)	362 (18.6%)	
Menopausal status (n, %)			0.04
Premenopausal	77 (23.91%)	444 (27.91%)	
Early perimenopause	231 (71.74%)	1050 (66.00%)	
Late perimenopause	11 (3.42%)	72 (4.53%)	
Postmenopausal	3 (0.93%)	25 (1.57%)	
Sleep problems (mean ± SD)			
Trouble falling asleep	2.4 ± 3.43	1.6 ± 2.75	< 0.01
Waking up during sleep	4.1 ± 4.19	3.2 ± 3.87	< 0.01
Waking up early	2.5 ± 3.69	1.9 ± 2.92	<0.01

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Results/Tables

	models with AL on Migraine			
Effect	OR	95% Confidence	e Limits	
MIG vs CTRL	1.374	1.058	1.784	
Asian vs Caucasian	1.718	1.258	2.346	
Black vs Caucasian	2.08	1.64	2.638	
Hispanic vs Caucasian	2.033	1.323	3.122	
overweight vs normal	2.382	1.781	3.186	
underweight vs normal	0.851	0.284	2.551	
ncome1 2 vs 1	1.005	0.718	1.406	
ncome1 3 vs 1	0.828	0.587	1.168	
ncome1 4 vs 1	0.863	0.577	1.292	
earlyPERI vs PreMEN	1.248	0.988	1.575	
atePERI vs PreMEN	1.48	0.913	2.398	
postMEN vs PreMEN	2.474	1.162	5.27	









Conclusion

Migraineurs have higher AL Score compared to non migraineurs enopausal status, income, BMI and ep disturbances are all associated th high AL score.

Disclosures

ne authors have no conflict of interest to sclose

Ordinal Logistic Regression