Review Article Open Access

A Relevant Analysis of Motor-Related Alpha Frequency in Infant Patients

Dr. Atish Nishad*

Department of Paediatrics Medical College of Canada, Canada

Abstract

This rhythm arises from resting sensorimotor activity and has a defned frequency range of 8–13 Hz, the same frequency as the alpha band. Mu rhythms are cortical oscillations that can be recorded from the scalp overlying the primary sensorimotor cortex using electroencephalography (EEG) and magneto encephalography (MEG). To date, alpha rhythm research has involved subjects ranging from infants to adolescents to the elderly. In addition, these subjects included not only healthy people, but also patients suffering from various neurological and psychiatric disorders. However, few studies have addressed the efects of alpha rhythm on aging and there is no review of the literature on this subject. Focusing on age-related changes in mu rhythm, it is important to examine the details of the features of alpha rhythm activity in the elderly compared with young. Through a comprehensive review, older adults compared with younger individuals showed changes in alpha activity, increased event-related desynchronization (ERD), earlier onset and later termination, and symmetrical we found that it showed an ERD pattern, and increased cortical recruitment. Cells revealed areas with signifcantly reduced beta-event-associated desynchronization (ERS). It was also found that the alpha rhythm pattern of behavioral observation changed with age. Future research is needed to study not only the localization of the elderly, but also the network of alpha rhythms.

Keywords: ; A ; A ; ; ; A ; EE

***Corresponding author:** Dr. Atish Nishad, Department of Paediatrics Medical College of Canada, Canada, E-mail: nishad123@edu.co.in

Received: 01-June-2023, Manuscript No: nnp-23-102203; **Editor assigned:** 07-June-2023, Pre-QCNo: nnp-23-102203(PQ); **Reviewed:** 21-June-2023, QCNo: nnp-23-102203; **Revised:** 23-June-2023, Manuscript No: nnp-23-102203(R); **Published:** 30-June-2023, DOI: 10.4172/2572-4983.1000317

Citation: Nishad A (2023) A Relevant Analysis of Motor-Related Alpha Frequency in Infant Patients. Neonat Pediatr Med 9: 317.

( ) .
. E

. D ,
.

A ,
.

. C ,
.

Discussion

Brain over-activation in older adults

. A
,

. B. E D,
, E D ,
, .

.

,
.
,
. E
- ,
,
.

References

1. Howard Stein, Kimberly Firestone, BS, Peter C, Rimensberger (2018) Synchronized Mechanical Ventilation Using Electrical Activity of the Diaphragm in Neonates.
2. Mallik M, Watson AR (2008) Antenatally detected urinary tract abnormalities more detection but less action. Pediatr Nephrol. 23: 897-904.
3. Woodward M, Frank D (2002) Postnatal management of antenatal hydronephrosis. BJU Int 89: 149-156.
4. Ismaili K, Hall M, Donner C, Thomas D, Vermeylen D, et al. (2003) Results of systematic screening for minor degrees of fetal renal pelvis dilatation in an unselected population. Am J Obstet Gynecol 188: 242-246.
5. Coplen DE, Austin PF, Yan Y, Blanco VM, Dicke JM (2006) The magnitude of fetal renal pelvic dilatation can identify obstructive postnatal hydronephrosis, and direct postnatal evaluation and management. J Urol 176: 724-727.
6. Grignon A, Filion R, Filiatrault D, Robitaille P, Homsy Y, et al. (1986) Urinary tract dilatation in utero: classification and clinical applications. Radiology 160: 645-647.
7. Ocheke IE, Antwi S, Gajjar P, McCulloch MI, Nourse P (2014) Pelvi-ureteric junction obstruction at Red Cross Children's Hospital, Cape Town:a six year review. Arab J Nephrol Transplant 7: 33-36.
8. Capello SA, Kogan BA, Giorgi LJ (2005) Kaufman RP. Prenatal ultrasound has led to earlier detection and repair of ureteropelvic junction obstruction. J Urol 174: 1425-1428.
9. Johnston JH, Evans JP, Glassberg KI, Shapiro SR (1977) Pelvic hydronephrosis in children: a review of 219 personal cases. J Urol 117: 97-101.
10. Williams DI, Kenawi MM (1976) The prognosis of pelviureteric obstruction in childhood: a review of 190 cases. Eur Urol 2: 57-63.