

**Z. Kheladze, M. Metreveli, Zv. Kheladze, N. Kajaia**  
**EEG disorders in orthodox Christian religious praying in unconscious critical patients.**  
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Paroxysmal activity of brain was manifested in unconscious patients after orthodox praying among 51,9% generalization was discovered. In other cases – after praying fast wave disrhythmia was revealed in 32.2%.  $\alpha$ -rhythm with rare sharp and slow waves was seen in both hemispheres -in 9,2%)EEG.

**Key Words:** EEG, praying, classic music, sound irritation.

**Introduction:** Last years we acknowledged brain action in time of classic and church music on EEG in unconscious critical patients (Z. Kheladze and other 2012, N. Nikabadze and other 2013, 2014). Namely, EEG electrical rhythm were approached orthodox Christian praying wave in unconscious critical patients.

**Material and methods:** patients were chosen according to the following nosology: encephalopathy, insult, epilepsy, severe sepsis, acute respiratory failures, acute kidney failures and other Deasys.. EEG were made by EEG KL-88. 31 :35 patients in unconscious critical patients.

**Results and discussion.** The result made on the table. In the first group: were Paroxysmal activity of brain was manifested in unconscious patients after orthodox praying among 51,9% generalization was discovered. In other cases – after praying fast wave disrhythmia was revealed in 32.2%.  $\alpha$ -rhythm with rare sharp and slow waves was seen in both hemispheres -in 9,2%)EEG.

Table N 1.

unconscious patients N=31				EEG rhythm
Before praying		after praying		
Rx/wm	Mk/v	Rx/wm	Mk/v	
8.4+-0.5 P<0.01	61.4+-2.1 P<0.01	8.5+-3.2 P<0.01	92.4+-1.2 P<0.01	$\alpha$ -rhythm
5.0+-0.9 P<0.001	151.0+-3.2 P<0.001	4.8+-0.9 P<0.001	203.7+-7.2 P<0.001	$\Theta$ -rhythm
3.0+-0.9 P<0.01	75.3+-1.2 P<0.01	2.7+-0.5 P<0.001	81.3+-1.2 P<0.01	$\chi$ -rhythm

35.3+-0.9 P<0.001	7.5+-3.2 P<0.001	4.0+-1.2 P<0.001	4.0+-3.2 P<0.001	B-rhythm
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**Conclusion:** In unconscious Critical Patient Brain bioelectric activity was changed after praying. Paroxysmal activity of brain was manifested in unconscious patients after orthodox praying among 51. (% generalization was discovered . In other cases – after praying fast wave disrhythmia was revealed in 32.2%. a-rhythm with rare sharp and slow waves was seen in both hemispheres -in 9,2%) EEG

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### ზ.ხელაძე,მ.მეტრეველი,ზ.ხელაძე,ნ.ქაჯაია ორთოქსული ქრისტიანული ლოცვების გავლენა ეგვ ცვლილებებზე უგონო კრიტიკულ ავადმყოფებში

ქრისტიანული მართლმადიდებლური საეკლესიო გალობის შემდეგ უგონო პაციენტთა 51,9%-ში გამოიხატა თავის ტვინში პაროქსიზმული აქტივობის კერების გაჩენა, 32,2% -გამოვლინდა სწრაფტალღოვანი პოლიდიზრიტმია, ხოლო 9,2 %- ში ეგვალტირებული ალფა რიტმი, რომელსაც თან ახლდა ერთეული მაღალამპლიტუდიანი მახვილი ტალღები ორივე ჰემისფეროში.