

### **RECOMMENDATIONS**

1. Planned training programs on beside EEG monitoring for ICU staff may be initiated to facilitate accurate diagnosis of epileptiform activity and other patterns associated with neurological emergencies.
2. EEG is available tool, cost effective more than neuron specific enolase sampling in prognosis of post arrest patients.
3. Additional larger prospective studies are needed to confirm our findings and to verify further whether EEG can be helpful for the prognostic assessment of postanoxic coma.

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## الملخص العربي

يعتبر الاعتلال الدماغى نقص الأوكسجين الناتج عن السكتة القلبية ثالثاً لأسباب المؤدية للغيبوبة والتحتاج إلى رعاية مركزية للناجين. وقد ارتبطت بعض تغيرات رسم المخ بالخبيثة بتناجسلبية

ويعتبر إنزيم إينوليز الخاص بالخلايا العصبية الذي يفرز بعد السكتة القلبية مؤشراً لمبدأ الإصابة العصبية بعد نقص الأوكسجين.

وتهدف هذه الدراسة إلى فحص تغيرات رسم المخ في مرضى ما بعد السكتة القلبية ودراسة علاقتها بمستوى إنزيم إينوليز الخاص بالخلايا العصبية ودراسة قيمتهم في التنبؤ بالنتائج.

ولقد أجريت هذه الدراسة على أربعة وثلاثين مريضاً مصرياً بعد الانعاش من السكتات القلبية الرئوية وقد خضعوا لتقييم مؤشرات الغيبوبة، استجابات جذع المخ، أشعة مقطعية على المخ، رسم المخ بالكمبيوتر، قياس مستوى إنزيم إينوليز الخاص بالخلايا العصبية ومؤشر النتيجة.

وقد أظهرت النتائج وجود علاقة عكسية ذات مدلول قوى بين مؤشر الغيبوبة لرسم المخ في اليومين الأول والسابع مع مؤشر النتيجة للجلاسكو، ويوجد علاقة عكسية ذات مدلول قوى بين مستوى إنزيم إينوليز في اليومين الأول والثالث مع مؤشر النتيجة للجلاسكو، كما يوجد علاقة طردية ذات مدلول قوى بين مؤشر الغيبوبة لرسم المخ في اليومين الأول والسابع مع مستوى إنزيم إينوليز في اليومين الأول والثالث.

ومن هذه الدراسة نستدل على أنه يوجد في مرضى ما بعد السكتة القلبية الرئوية بعض تغيرات رسم المخ الخبيثة والتي ترتبط بمستويات عالية من إنزيم إينوليز الخاص بالخلايا العصبية وهم مؤشرات جيدة للعواقب السيئة في هؤلاء المرضى.

جامعة الإسكندرية  
كلية الطب  
قسم الطب الحرج

العلاقة بين تغيرات رسم المخ ومستوى إنزيم الإينوليز فى النتائج المتوقعة لمرضى ما بعد  
السكتة القلبية

رسالة مقدمة

لقسم الطب الحرج - كلية الطب - جامعة الإسكندرية  
ضمن متطلبات درجة

الماجستير

فى

الطب الحرج

من

أحمد محمد طه العربى  
بكالوريوس الطب والجراحة ، ٢٠٠٩  
كلية الطب، جامعة الإسكندرية

[٢٠١٥]



جامعة الإسكندرية  
كلية الطب  
قسم الطب الحرج  
العلاقة بين تغيرات رسم المخ ومستوى إنزيم الإينوليز فى النتائج المتوقعة لمرضى ما بعد  
السكتة القلبية

رسالة مقدمة من  
أحمد محمد طه العربى

للحصول على درجة

الماجستير

فى

الطب الحرج

التوقيع

.....

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لجنة المناقشة والحكم على الرسالة  
أ.د/ صلاح عبد الفتاح محمد  
أستاذ التخدير والعناية المركزة الجراحية  
كلية الطب  
جامعة قناة السويس

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جامعة الإسكندرية

## لجنة الإشراف

## موافقون

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أ.م.د/ تامر عبدالله حلمي

أستاذ مساعد الطب الحرج

قسم الطب الحرج

كلية الطب

جامعة الإسكندرية

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أ.م.د/ دعاء إبراهيم حشاد

أستاذ مساعد الباثولوجيا الإكلينيكية

قسم الباثولوجيا الإكلينيكية

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المشرف المشارك

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د/ شريف أحمد عبد المنعم

مدرس الطب الحرج

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