

## Post-Mortem 7.0-Tesla Magnetic Resonance Imaging of the Brain in a Patient with Disseminated Intravascular Coagulation

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### ABSTRACT

A post-mortem 7.0-tesla MRI study of the brain in a patient with disseminated intravascular coagulopathy is presented.

### INTRODUCTION

Disseminated intravascular coagulation (DIC) associated with multiple organ dysfunctions plays a pivotal role in severe sepsis [1]. No post-mortem MRI findings of the brain lesions are available in DIC.

### RESULTS

We present a post-mortem 7.0-tesla MRI study of the brain in a 31-year woman with an acute sepsis complicated by DIC. Six coronal sections

of the left cerebral hemisphere were examined with T2 and T2\* sequences.

On the T2 sequence a medial temporal lobar haematoma was observed. No ischemic lesions could be detected (Fig.1). In addition to the haematoma several small bleeds were observed on the T2\* sequence in the cerebral cortex of all 6 coronal sections. Also a hemorrhage in the centrum semiovale was present on one section (Fig. 2).

Fig. 1

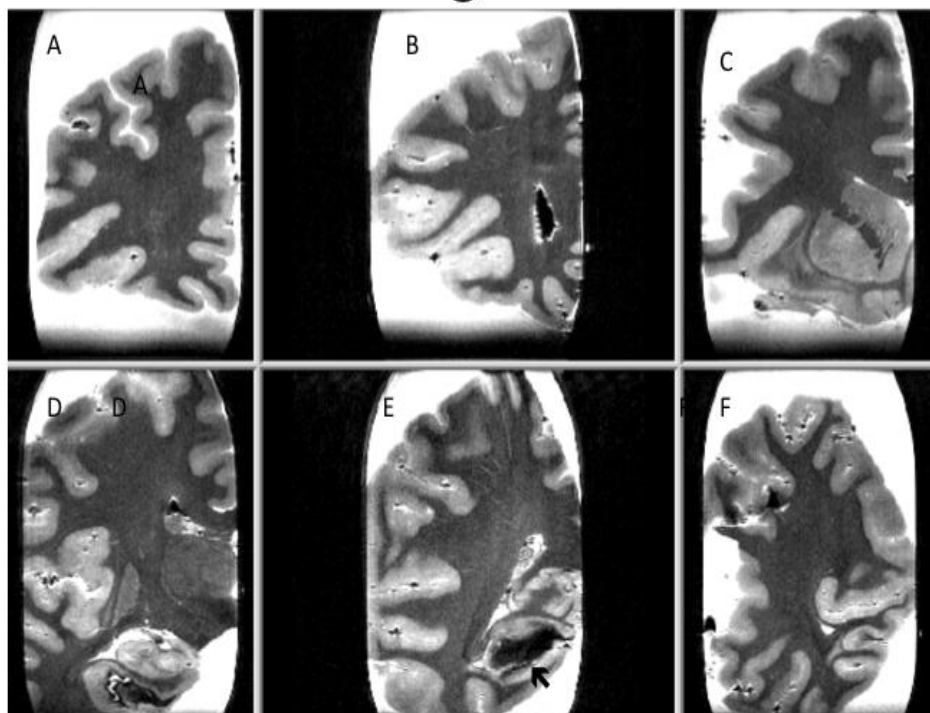
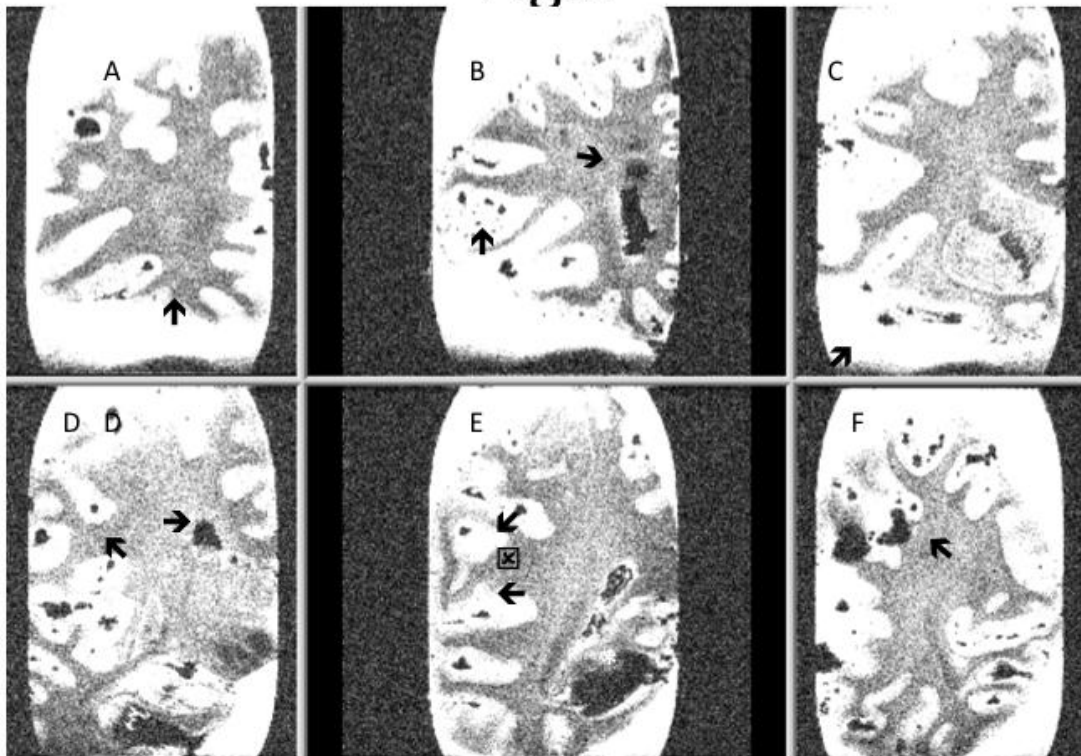


Fig.2



#### DISCUSSION

The present post-mortem MRI of a patient with DIC shows only haemorrhages without additional ischemic lesions. These findings confirm some observations in still living patients [2,3].

#### DISCLOSURES

The author has nothing to declare in relation to this article. No funding was received for the publication of this article.

#### REFERENCES

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