

Cerebral hemorrhage with a severe haemophilia B in Madagascar

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Background

The treatment of hemophilia in Madagascar is still difficult in case of hemorrhagic stroke due to unavailability of factor concentrates.



Aim

Describe the management of a cerebral hemorrhage with a severe haemophilia B in Madagascar

Clinical signs

Malagasy 15 years old
Severe hemophilia B (factor IX<1%)
Actual symptoms:
frontal headache for two days
(without notion of trauma)
- disturbance of consciousness
Glasgow score 12/15
- seizures
- left hemiplegia
- anisocoria
Result of urgent CT scan :
massive intracranial hemorrhage
invading the circle of Willis

Support and Monitoring

In the Surgical Resuscitation Unit - Universitary Hospital of Antananarivo, neurosurgical intervention is urgently needed; anesthesiologist immobilized the patient with sedation.

The “Association Support Santé Internationale” managed to get FIX concentrates on humanitarian ground with LFB laboratory in France and with the help of the French Haemophilia Association AFH, 40 000 IU Betafact® could be sent to Antananarivo from Central Pharmacy in Reunion Island in a few hours.

The intervention was carried out under FIX concentrate perfusion at a rate of 2000 IU first injection and then 1000 IU every 12 hours for 10 days.

Haematological analysis showed levels of FIX to 80% with a normal APTT.
Sedation was continued for three days.

After 10 days, a second batch of Betafact® has been chartered. Betafact® was continued at a dose of 500 UI every 12 hours for another 10 days with 25% level factor IX.

Results and comments

With an efficient multidisciplinary medical cooperation and haemophilia international help, the Malagasy haemophilia child was saved. The intra cerebral hematoma has been evacuated, resuscitation was carried out properly, some memory problems still remain that fade gradually. No other bleeding problem occurred after replacement therapy. Functional rehabilitation care outcome successfully.

Conclusion

This great solidarity between haemophilia associations and partners supporting haemophilia saved the life of the Malagasy hemophilia B residing in a country where FIX concentrates remains unaffordable.

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