Title: Intracerebral hemorrhages in patients with hemophilia: three years of follow-up at the Comprehensive Care Program in Cuba (2008–2010).

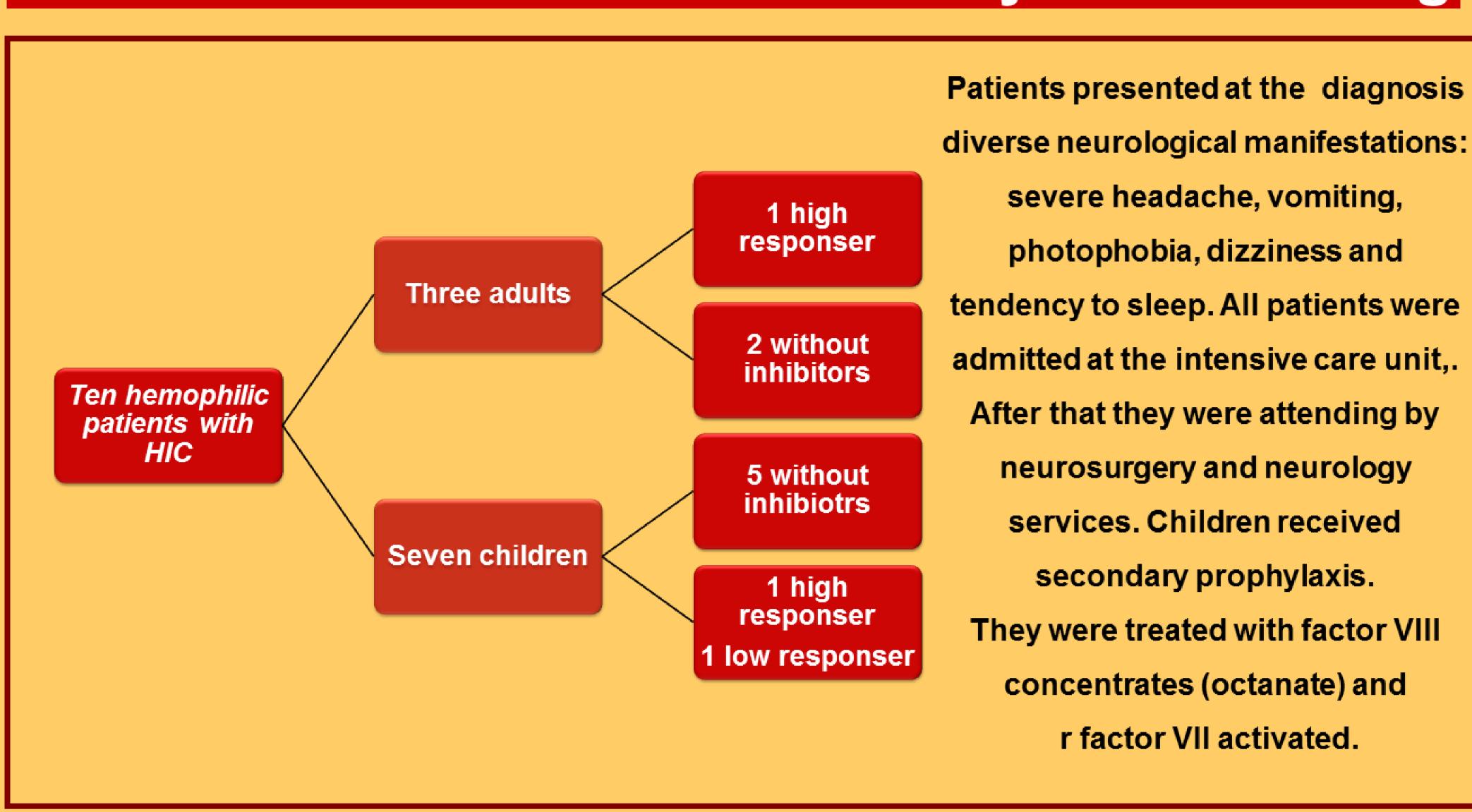
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Introduction

Intracerebral hemorrhage patients with hemophilia is one of the most serious bleeding event and it is a life-threatening complication. This kind hemorrhage can occur spontaneously or by trauma and some of the hemophiliacs who suffer it are more propensus to have recurrent bleeding. During three years, ten individuals with hemophilia A with intracerebral hemorrhage were observed: three adults and seven children.

Patients with central nervous system bleeding



Evolution

3 patients
 had recurrent
 HIC
 1 patient died

HIC

 7 patient had an unique event

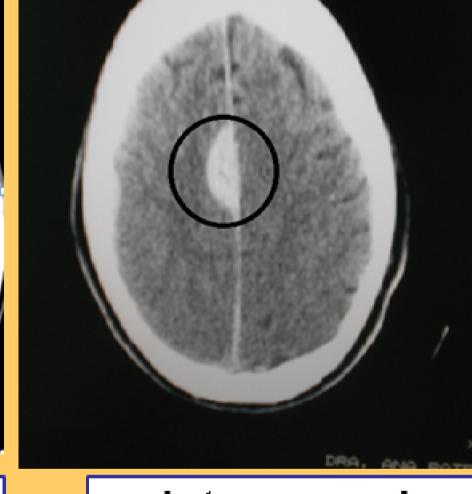
1 patient died

The central nervous system
bleeding constitutes a
neurological emergency. Rapid
diagnosis and management is
essential due to clinical
worsening during the first hours
of evolution of this type of
bleeding, which is associated
with a worse prognosis.
The goals of treatment are to
prevent possible complications
and initiate appropriate
treatment.

Results

Both computed tomography and nuclear magnetic resonance are suitable for the initial diagnosis. CT is a sensitive technique for the identification of acute hemorrhage and is considered the technique of choice, permit identifying the precise location of the hemorrhage and its effects: mass effect, edema, ventricular and subarachnoid







Subarachnoid hemorrhage

Intraparenchymal hemorrhage

Patients with recurrent central nervous system bleeding

Patient	Hemophilia	Type of bleeding	Inhibitor	Surgical treatment	Current status	Sequels
1	A severe	 Subdural hematoma Cerebellar hemorrhage Intraparenchymal hemorrhage Intraparenchymal hemorrhage Intraparenchymal hemorrhage 	No	First event: craniectomy with decompression and evacuation of the hemorrhage	Alive	No
2	A moderate	•Subarachnoid hemorrhage •Subdural hematoma	Low responser	Second event: craniectomy with decompression and evacuation of the hemorrhage	Alive	No
3	A moderate	Intraparenchymal hemorrhageSubarachnoid hemorrhage	No	no	Alive	No
4	A severe	Intraparenchymal hemorrhage Intraparenchymal hemorrhage	No	no	Died	

Conclusions

To start sustitute treatment immediatly after central nervous system bleeding suspicious is essencial for the good evolution and it contribute to diminish the morbility and mortality in hemophilic patients.

