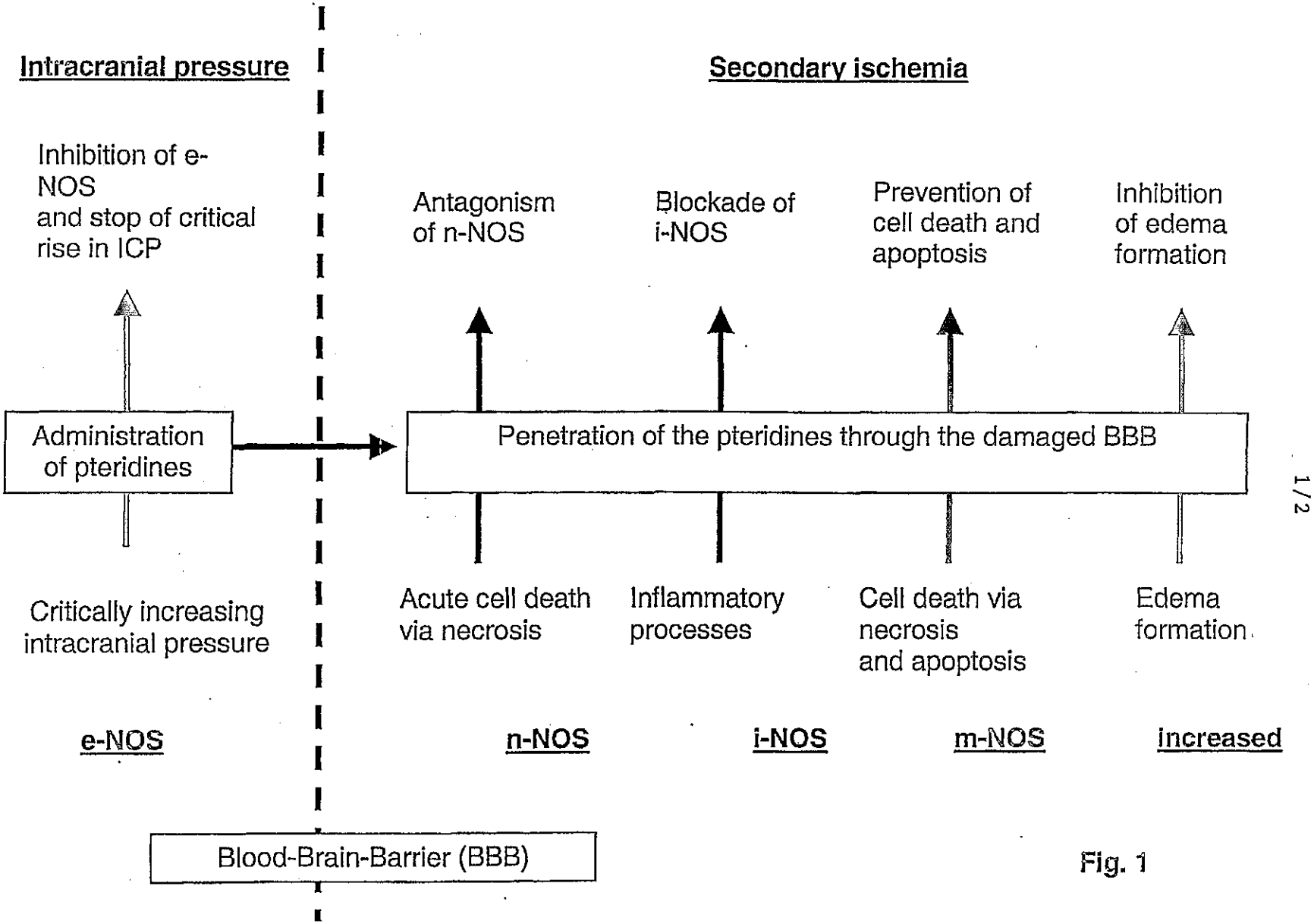

Intracranial pressure
Secondary ischemia
Inhibition of e-NOS and stop of critical rise in ICP
Antagonism of n-NOS
Blockade of i-NOS
Prevention of cell death and apoptosis
Inhibition of edema formation
Administration of pteridines
Penetration of the pteridines through the damaged BBB
Critically increasing intracranial pressure
Acute cell death via necrosis
Inflammatory processes
Cell death via necrosis and apoptosis
Edema formation
e-NOS
n-NOS
i-NOS
m-NOS
increased
Blood-Brain-Barrier (BBB)

Fig. 1

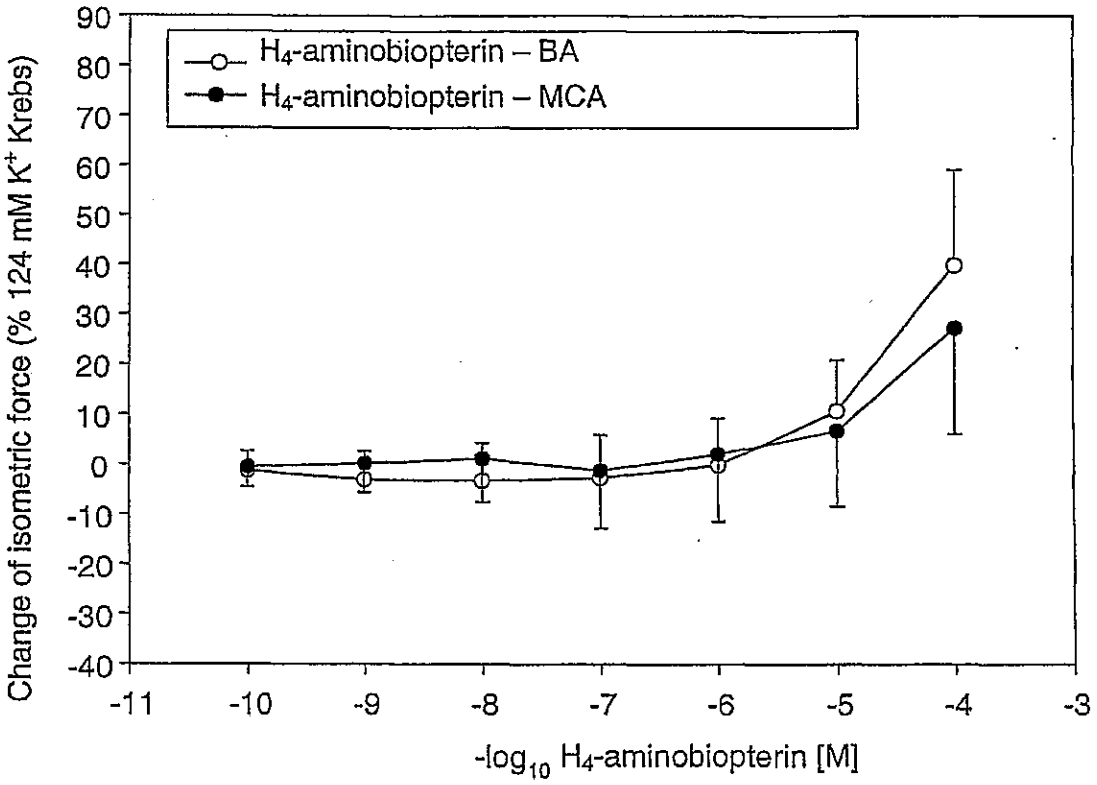

H4-aminobiopterin – BA
H4-aminobiopterin – MCA
Change of isometric force (% 124 mM K+ Krebs)
90
80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-11
-10
-9
-8
-7
-6
-5
-4
-3
-log10 H4-aminobiopterin [M]

Fig. 2