IMMEDIATE TREATMENT WITH IFNB-1B AFTER A FIRST EVENT SUGGESTIVE OF MS DELAYS PERSISTENT NEUROLOGICAL IMPAIRMENT

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There is now comprehensive evidence for the significance of initiating treatment with interferon beta (IFNB) immediately after a first neurological event suggestive of multiple sclerosis (MS) in terms of delaying time to the diagnosis of MS. However, advantages of immediate over deferred treatment in the longer-term remain to be proven, in particular with regard to whether, and to what extent, this might also slow the development of neurological impairment. The Benefit (BEtaferon®/BEtaseron® in Newly Emerging MS for Initial Treatment) studies aim to also answer this question. In the placebo-controlled phase, 468 patients with a first clinical event suggestive of MS were randomized to either IFNB-1b 250 μ g or placebo subcutaneously every-other-day. On completion of this phase, patients were eligible to enrol into a preplanned follow-up phase. A pre-planned analysis, 3 years after the first clinical event, showed that confirmed progression of impairment, as measured by the Expanded Disability Status Scale, was reached by 16% of patients treated immediately and by 24% of patients with deferred treatment (p = 0.0218). 37% of patients treated immediately and 51% of those treated later had developed CDMS (p = 0.0011). These findings provide the first evidence of a positive effect of the placebo-controlled phase of BENEFIT by showing that immediate treatment after the first event delays the onset of MS.