Background

Latent varicella-zoster virus

Unilateral, painful dermatomal rash

High risk of herpes zoster (HZ)

Age-related decline in cell-mediated immunity

10–20% HZ patients develop PHN

- debilitating pain lasting for months/years
- very difficult to treat

Postherpetic neuralgia (PHN)

1 in 3 persons develop HZ during lifetime

We assessed the burden of pain associated with HZ and its interference with ADL in patients ≥50 years of age (YOA), placebo recipients in the ZOE-50 and ZOE-70 studies.

ZOE-50 and ZOE-70 Placebo groups data shows that burden of pain associated with herpes zoster interferes with activities of daily living

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Methods

Phase III, placebo-controlled, 1:1 randomized studies: ZOE-50 (NCT01165177) and ZOE-70 (NCT01165229)

HZ confirmed cases

≥50 YOA (ZOE-50) ≥70 YOA (ZOE-70)

Placebo

HZ pain; Interference with ADL

Time points (study month)

0 2 36

Current analysis: mTVC, primary population for efficacy analysis

Zoster Brief Pain Inventory (ZBPI)

Kaplan-Meier methods

Area under the curve (AUC)

Completed daily

Time to resolution of clinically significant pain

Scores:

ZBPI worst pain; ZBPI ADL

Mean AUC of ZBPI ADL score from the onset of HZ

Conclusions

>87% of HZ patients from each age group reported clinically significant pain

>10% of HZ patients had clinically significant pain persisting for up to 3 months

Impact of pain on activities of daily living was higher in patients ≥70 YOA

Analysis of data provided by patients with confirmed HZ cases shows that the burden of HZ pain is high and is associated with interference on patients’ activities of daily living

Results

More than 93% of HZ patients experienced pain

Any pain (%)

Clinicaly significant pain (%)

Severe pain (%)

For 11.6–18.3% of HZ patients, clinically significant pain persisted for up to 3 months

Mean AUC of ZBPI worst pain score from the onset of HZ

Mean AUC of ZBPI ADL score from the onset of HZ

AUC

0–30 days

0–90 days

0–182 days