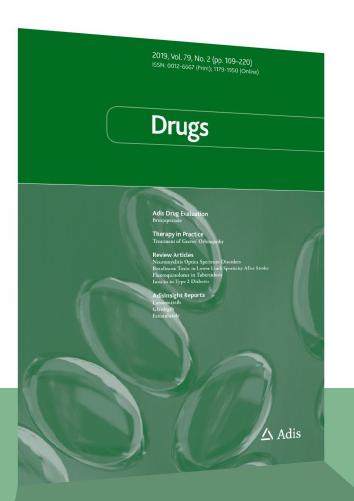
Pegaspargase: A review in acute lymphoblastic leukaemia

Young-A. Heo, Yahiya Y. Syed, Susan J. Keam

Slide deck







Adis Drug Evaluation

Pegaspargase:

A Review in Acute Lymphoblastic Leukaemia Young-A Heo, Yahiya Y. Syed, Susan J. Keam

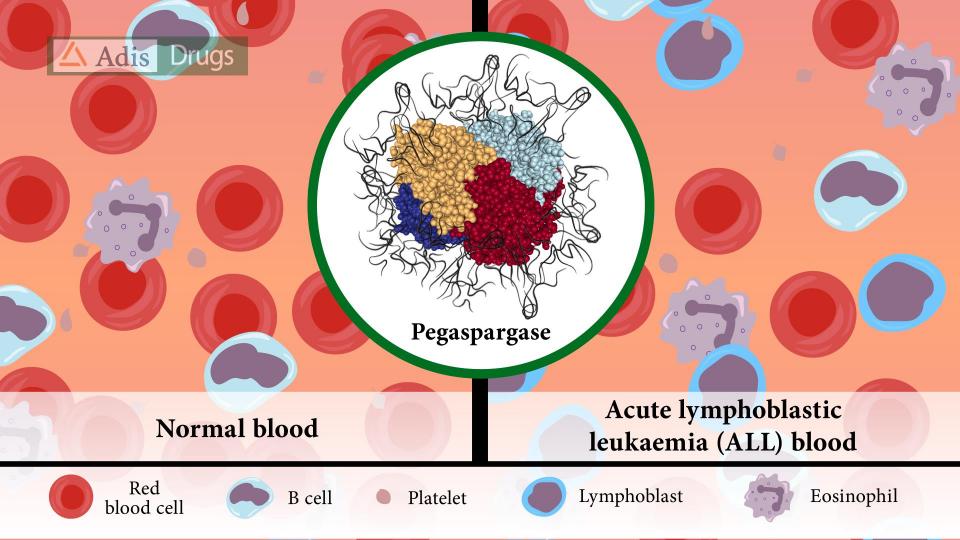
Conflicts of Interest: Young-A Heo, Yahiya Syed, and Susan Keam are salaried employees of Adis/Springer, are responsible for the article content, and declare no relevant conflicts of interest

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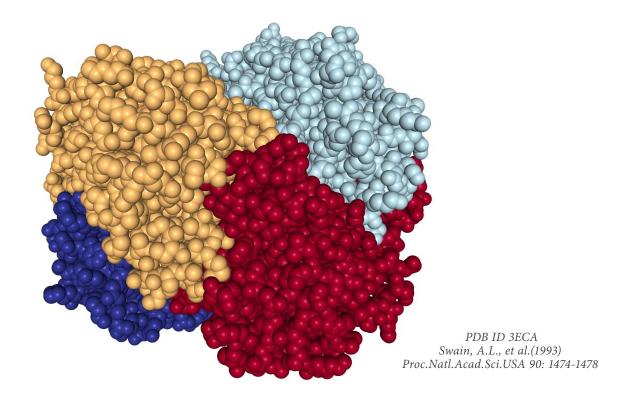
https://doi.org/10.1007/s40265-019-01120-1

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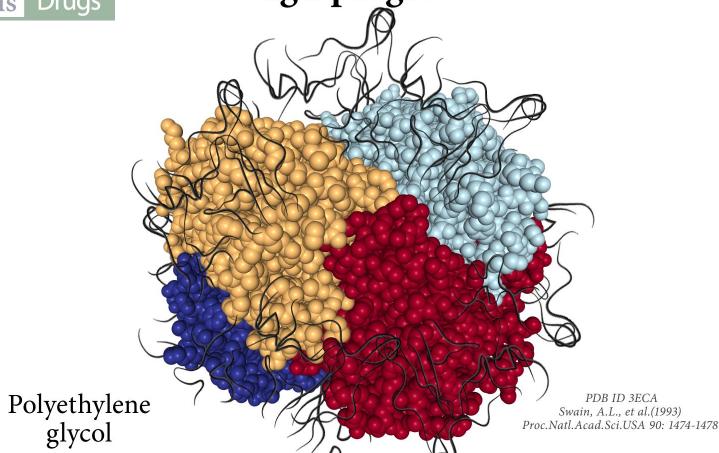


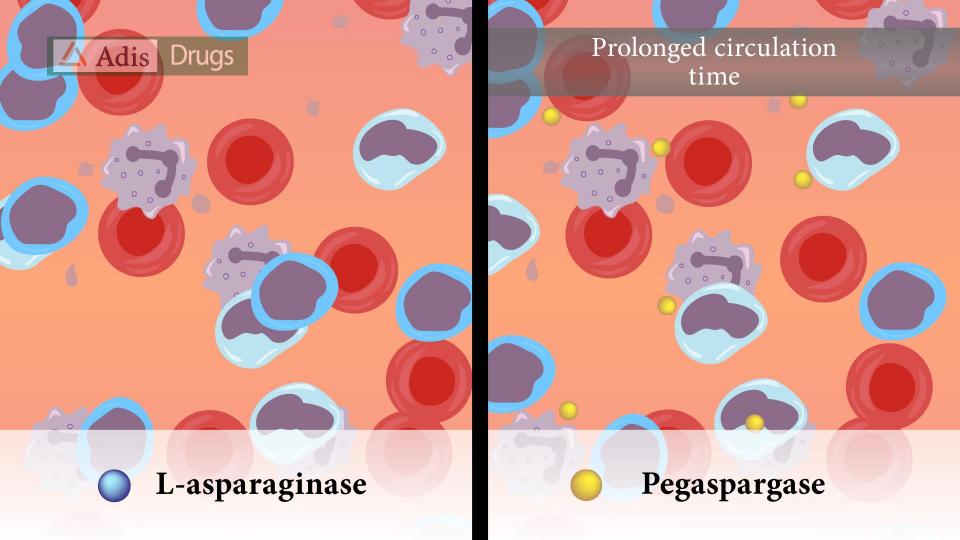
L-asparaginase

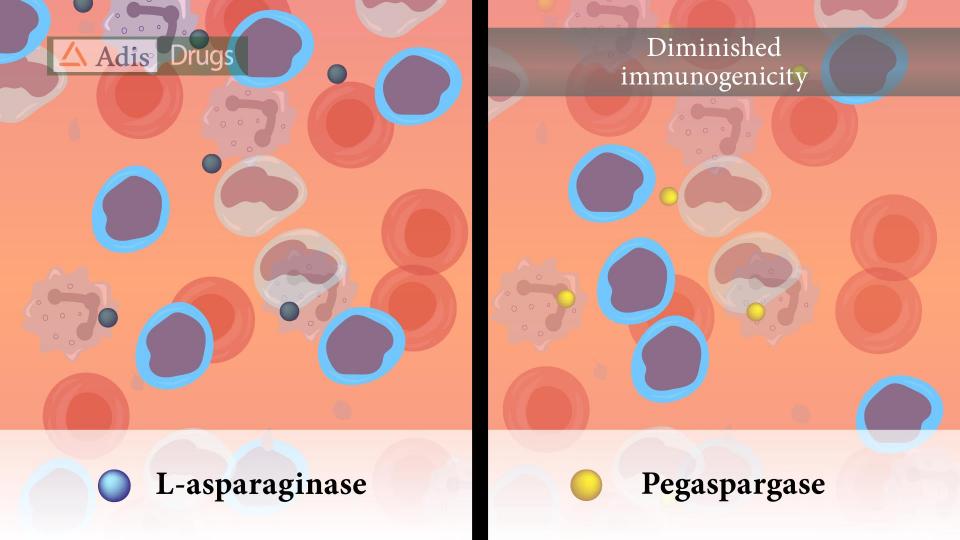




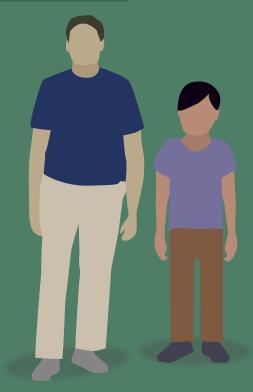
Pegaspargase











van der Sluis et al. Consensus expert recommendations for identification and management of asparaginase hypersensitivity and silent inactivation.

Haematologica. (2016)101: 279-85.

Asparaginase hypersensitivity

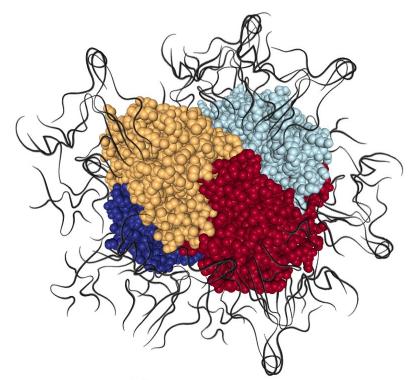
Clinical hypersensitivity

- Allergy symptoms / anaphylaxis
- Neutralizing antibodies detected
- ◆ Asparaginase inactivation, ↓ activity

Subclinical hypersensitivity (silent inactivation)

- Allergy symptoms absent
- Neutralizing antibodies detected
- ◆ Asparaginase inactivation, ↓ activity





Pegaspargase

Tolerability

Manageable profile in paediatric and adult patients with newly diagnosed ALL

Similar profile in patients with relapsed ALL and hypersensitivity to the native enzyme

Most common adverse events

Elevated transaminases and/or bilirubin

Prolonged activated partial thromboplastin time

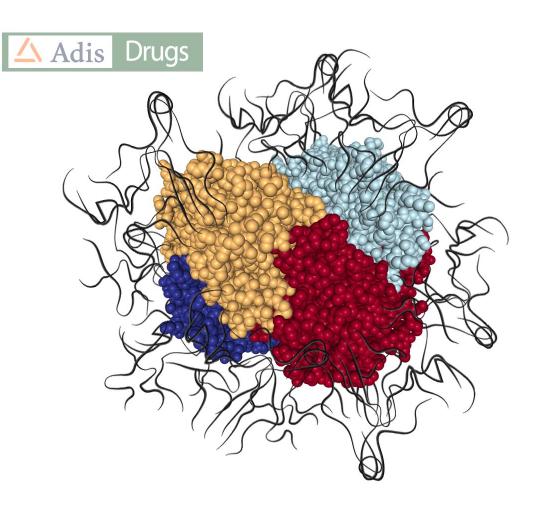
Hypertriglyceridaemia

Hyperglycaemia

Febrile neutropenia

Pancreatitis

Hypersensitivity reactions



Manageable tolerability profile

Convenient dosage regimen

Effective treatment in children and adults with ALL