



Life Saving Drugs Program (LSDP) Review of Medicines for Mucopolysaccharidosis Type II (MPS II) and Expert Panel recommendations

Consumer Summary

Purpose of the LSDP Review of its funded medicines

The LSDP provides funding for medicines to treat people living with rare and life-threatening diseases. Within the LSDP a rare disease is defined as one which occurs in 1 per 50,000 people or fewer.

The LSDP Expert Panel (the Panel) has recently conducted a review of medicines which it funds to understand how people now use these medicines compared to when they were first put on the program. It also looked at how the medicine benefits patients and whether the right tests are used.

Potential changes that the Government can make to the funding criteria are also considered.

The review of each of the LSDP-funded medicines has seven Terms of Reference (ToR). These ToRs cover the following issues:

1. **Disease Prevalence:** How many people have the disease in Australia (called disease prevalence) and does this enable it to still be categorised as a rare disease under the LSDP?
2. **Treatment Guidelines:** How is the disease being treated currently compared to the LSDP treatment guidelines for access to the medicine, such as eligibility for treatment and testing requirements?
3. **Medicine Effectiveness and Safety:** For a medicine to be suitable for the LSDP, it must help people to live longer. Does the current medicine enable this, and how does this compare between medicines, reports provided on people receiving LSDP-funded medicine and international reports?
4. **Treatment Outcomes:** What do people receiving LSDP-funded medicine consider its most important benefit to their lives and how does this compare with the patient-reported information currently required to be collected for the LSDP?
5. **Value for Money:** Does the benefit of treatment (e.g. years of life gained) reflect the estimate of this at the time the medicine was first approved for LSDP funding?
6. **Drug Usage:** Is there any wastage in the way the drug is stored, dosed and dispensed and could there be improvements in this?
7. **Future Treatments:** Are there new medicines being developed and/or soon to become available which may broaden treatment choices?

The Panel advised the Chief Medical Officer (CMO) of the results of the review for each medicine. The CMO then recommended certain actions to the Minister for Health and Aged Care.

The LSDP MPS II Review

At the time of the review, idursulfase (Elaprase®) was the only medicine for MPS II listed on the LSDP. It was listed on 28 August 2008.

The following summarises the advice of the Panel following the MPS II Review for each of the seven considerations listed above.

1. Disease prevalence

The prevalence of MPS II in Australia was fewer than 1 in 50,000 people and is therefore suitable for the LSDP.

2. Treatment guidelines

The Panel recommended that the MPS II LSDP Guidelines be updated to also allow patients with the severe form of MPS II to receive idursulfase.

The Panel recommended that treating physicians discuss with their patients and families about when they feel it would be suitable to stop treatment. Treatment is usually only stopped when the patient is no longer doing well on the medicine.

The Panel also recommended that the LSDP review the medical tests required for patients to be eligible for the program. This review needs to have input from treating physicians managing MPS II patients.

3. Medicine effectiveness and safety

The Panel noted that people appear to live longer when receiving idursulfase, compared to people not receiving treatment. It therefore remains suitable for the LSDP.

4. Treatment outcomes

The LSDP should make it easier for treating physicians to provide the patient data required for applications. This will improve the everyday work of the program and future medicines reviews.

5. Value for money

People treated with idursulfase appear to live longer and have an improved quality of life. However, the cost of the medicine remains high. It was recommended that the price that the Government pays for idursulfase be reassessed and discussed with the drug company. The goal is to improve the value for money so the LSDP can provide high value medicines now and in the future.

6. Drug usage

The Panel found idursulfase was being stored and dispensed correctly.

7. Future treatments

The LSDP does not allow patients to receive an LSDP medicine if they are participating in a clinical trial (and receiving other medicines or treatments). As part of their recommendations, the Panel advised that patients who are in a clinical trial can remain on the LSDP.

Next Steps

The Minister for Health and Aged Care has agreed to these recommendations. The implementation of these recommendation is currently being considered and progressed by the Department in consultation with sponsors, treating doctors and patient advocacy groups.