

Development of a novel drug delivery system for pediatric anti-retroviral market

Client - The paediatric anti-retroviral market still heavily relies on the adult drug delivery systems which are often not compatible with the patient population

Program

- Develop a novel drug delivery system for existing anti-retroviral therapy for the paediatric population. Often the adult drug delivery systems are not compatible with the paediatric population thus increasing instances of non-compliance.

Challenge

- No previous experience on the technology at Laurus
- Development challenges because of lack of prior knowledge on the dosage form and the challenge to improve Palatability of the product to ensure patient acceptance/compliance
- Pathway for regulatory approval was a challenge since the team had no previous experience in filing such products and neither was there a precedence in the market
- No prior market meant that a market had to be created by Laurus.

Solution

- OEM partners experience was used to develop the product from scratch.
- Extensive discussion with the regulatory agencies ensured an early approval of the product
- Laurus aggressively promoted the concept and highlighted the problem faced by the pediatric patients. Through various trade shows and discussions with the concerned authorities Laurus was able to bring about acceptance for the need for such a product in this therapeutic segment

Outcome

- First approval of its kind in this therapeutic segment for such a novel drug delivery system
- The global authorities overseeing the distribution of medicines to the patient population have accepted the requirement for this novel dosage form