

Sevelamer Carbonate 2.4g sachets

Sevelamer is available as 2.4g sachets and so patients unable to swallow tablets should be prescribed this product rather than being asked to disperse tablets in water.

Dose

Use of sevelamer in children is “off-label”, i.e. not recommended by the manufacturer. There is, however, limited published evidence and anecdotal experience of use from around the UK. Typical starting doses are given below

Age (Years)	Weight	Starting dose
Less than 1	Less than 7.5Kg	160mg three times daily with meals
1-5	7.5-20kg	240mg three times daily with meals
6 and older	More than 20Kg	800mg three times daily with meals

(doses are subsequently adjusted according to serum phosphate level):

Measuring and Administering the Prescribed Dose

It is likely that most doses prescribed will be less than 2.4g, i.e. less than a whole sachet. Once opened, a sachet can be used for 24 hours: unused drug should be discarded after this time.

Doses should either be a multiple of 80mg or 800mg:

Amount of Sevelamer Carbonate	Instructions on how to measure
80mg 	Use the scoop provided with Creon Micro granules. Each scoop (lightly packed) contains approximately 80mg sevelamer. The powder should be mixed with approximately 2ml of water per 80mg sevelamer.
800mg 	800mg is contained in approximately 2ml of powder. Using a slightly under-filled 2.5ml spoon will give approximately 2ml. (Although each dose may be slightly inaccurate, a patient taking 800mg three times daily will nonetheless receive the correct total daily dose). The powder should be mixed with approximately 20ml of water per 800mg sevelamer.
2.4g 	Use an entire sachet and mix with 60ml water.

Feeding Tubes

There is limited experience with using sevelamer carbonate powder through NG or Gastrostomy tubes. Ideally the oral route should be used for these patients. If this is not possible, please discuss with the EMEESY team for advice on administration.

Renal Text Phone 07812275254

References

Renvela 2.4g Powder for Oral Suspension. Summary product characteristics 8th Jan 2019
Sevelamer carbonate 2.4g powder for oral suspension. Summary product characterises 9th Feb 2017
Up to date – Paediatric chronic kidney disease CKD MBD accessed Feb 19

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