Health Technology Review	
Technology Ref.:	HTA23007
Technology Name:	S0LIUS0ne Phototherapy Device
Approvals by International Bodies:	Canada Health
Company name:	GENQORE Drug Store
Agent in UAE:	Otima Bhanot
Email:	Ra@genqore.com

Short Description of the Technology:	S0LIUS is a freestanding booth designed to deliver a small amount of targeted UVB with an interactive user interface and cloud-based software that enables patient self-care and promotes compliance. The proprietary treatment delivery mechanism uses a metal halide lamp with a series of filters and lenses to optimize full-body exposure to a narrow spectrum (293 - 303nm) of light most efficient at producing vitamin D3 while eliminating nearly all other ultraviolet light.

Health Technology Assessment Team Recommendation:	**Disapprove**

Summary of Review:

The technology is a booth with light bulbs that produce UVB in the range (to 293nm - 303nm) to treat vitamin D deficiency, the Skin that is exposed to UVB light in the range of 297 nm will transform cholesterol into vitamin D3, and only a small amount in the range of 50-100 mili joules is needed to generate vitamin D3. The intended use is to stimulate the production of endogenous vitamin D for the treatment and prevention of vitamin D deficiency. UVB Phototherapy is been used to treat skin conditions such as Eczema & psoriasis in different hospitals in UAE, however there is a lack of independent evidence on the device efficacy to treat the D deficiency & safety concerns for the risk on the long term. In addition, the availability of vitamin D substitution to treat the condition such as the D supplements, and sun exposure.

Advantages	Disadvantages
The manufacturer has ISO certificate	Limited studies on the technology to confirm the safety use on the long term.
The device is CE marked.	Lack of independent studies provided that demonstrate efficacy of the device in treating vitamin D deficiency.
The device could be a good alternative to treat vitamin D deficiency for patient with malabsorption condition.	UVB bulbs should only be used to treat human vitamin D deficiency or other health conditions under the care of a physician & medical supervision.
The device has Software that determines an individual's exposure based on a user's self-	Overexposure to UVB light can cause sunburns, Corneal injuries or develop skin cancers.

assessed skin type and reaction to a treatment, and manages frequency of sessions	

We recommend a **Disapproval of using this technology** due to lack of evidence on the device efficacy & lack of multi-disciplinary & independent studies.

Technology Image