

## Public Submission Cover Sheet

Please complete this sheet and submit with any attachments to the Sustainable Health Review Secretariat

### Your Personal Details

*This information will be used only for contacting you in relation to this submission*

<b>Title</b>	Mr <input type="checkbox"/> Miss <input type="checkbox"/> Mrs <input type="checkbox"/> Ms <input type="checkbox"/> Dr X <input type="checkbox"/> Other <input type="checkbox"/>
<b>Organisation</b>	
<b>First Name(s)</b>	Joshua
<b>Surname</b>	Dass
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### Publication of Submissions

*Please note all Public Submissions will be published unless otherwise selected below*

- I do not want my submission published
- I would like my submission to be published but remain anonymous

### Submission Guidance

**You are encouraged to address the following question:**

**In the context of the Sustainable Health Review Terms of Reference listed below, what is needed to develop a more sustainable, patient centred health system in WA?**

- Leveraging existing investment in Primary, Secondary and Tertiary healthcare, as well as new initiatives to improve patient centred service delivery, pathways and transition;
- The mix of services provided across the system, including gaps in service provision, sub-acute, step-down, community and other out-of-hospital services across WA to deliver care in the most appropriate setting and to maximise health outcomes and value to the public;
- Ways to encourage and drive digital innovation, the use of new technology, research and data to support patient centred care and improved performance;
- Opportunities to drive partnerships across sectors and all levels of government to reduce duplication and to deliver integrated and coordinated care;
- Ways to drive improvements in safety and quality for patients, value and financial sustainability, including cost drivers, allocative and technical efficiencies;
- The key enablers of new efficiencies and change, including, research, productivity, teaching and training, culture, leadership development, procurement and improved performance monitoring;
- Any further opportunities concerning patient centred service delivery and the sustainability of the WA health system.

### Submissions Response Field

*Please type your response into the field below. Alternatively you may provide your submissions as a separate attachment (Suggested Maximum 5 pages).*

Proton therapy is an effective treatment of cancer in children. Proton therapy in adults the treatment of choice for many cancers such in head and neck, brain and spinal, prostate, lung, gastrointestinal and breast. It delivers very high cancer destroying radiation whilst minimising the harms from radiation therapy.

Australia does not have a proton therapy facility and many children and adults with cancer are sent overseas to have treatment. This is a huge financial and emotional drain on many families. More so in Western Australia which is the most isolated capital city in Australia.

There is an opportunity to utilise the SCGH site adjacent to the Perth Children's hospital for a proton therapy facility. The site will maximise the efficiency of collocated resources in radiation oncology, oncology services (SCGH & Perth Children's Hosp) medical physics, engineering and technical support from established services to deliver a world class facility. Although proton therapy has been proposed in South Australia their project has been mired in technical issues. Thus delaying the treatment options for the West Australian public who have to travel the furthest to access this treatment in North America or Europe.

The proposed cost for such a facility would be 1/3 of what it would cost in North America or Europe with the advent of novel technology from IBA which has reduced the size of the footprint and miniaturised the technology.

We would welcome an opportunity to present the business case, cost savings and potential benefits to the West Australian public. Below is a short summary of the cost and potential savings.

**Cost:** The equipment could be available from an experienced European multinational such as IBA for under Euro 35m. Building cost are minimised to \$20m and software cost to less than \$15m. Companies such as IBA would build and operate the facility for WA for 5 years.

**Funding:** There maybe opportunities from federal government grants with the upcoming elections and GST debate. Private individuals with philanthropy may be willing to assist as will the Lotteries Commission given the community benefits to young children with cancer. There would also be opportunity to recover cost via private billing for treatment from a world class facility.

**Research:** The opportunities for research and collaboration with the Harry Perkins Institute and other WA universities from the medical, physics, engineering perspective would be an Australian first if proton therapy at SCGH & Children's Hospital is the first operating facility in Australia.