



***Biography of***

**Professor Stephen Langley MBBS(Hons) MS FRCS Urol  
Urological Surgeon**

Stephen Langley is Professor of Urology at the Royal Surrey Hospital and the St Luke's Cancer Centre in Guildford. He became a Consultant in 1998 and after 6 years was appointed as Professor of Urology at the University of Surrey, where he co-leads a major research program in the field of prostate cancer.

He has an international reputation as an expert in the diagnosis and treatment of early prostate cancer. In 1999 he pioneered the treatment of LDR brachytherapy for prostate cancer in the UK. To date he and his team have successfully treated over 5500 men with this therapy<sup>#</sup>, the largest experience in Europe. The excellent long term clinical results have been prospectively recorded and widely published<sup>123</sup>.

In 2012 he published the technique of 4D Brachytherapy<sup>4</sup>, a novel method to perform prostate brachytherapy using both stranded and loose seeds in a one-stage procedure with real-time dosimetry. This technique delivers an improved radiation dose to the prostate whilst reducing the side effects compared to earlier techniques. 4D Brachytherapy is quick to perform, reducing the anaesthetic time and allows patients a quicker recovery. The technique has now been adopted by centres worldwide.

The 4D technique has been adapted to perform focal brachytherapy. Following an international consensus meeting he convened <sup>5</sup>, he set up and published the results of the first focal LDR brachytherapy study to be performed with 5yr outcomes <sup>678</sup>.

His passion to improve the care for prostate cancer patients led him to invent the technique of transperineal prostate template biopsy, using brachytherapy techniques, which he was first to publish in 2004 <sup>9</sup>. The technique coupled with mpMRI of the prostate is now used throughout Europe and has been considered the gold standard way of biopsying the gland.

He has also pioneered the use of Space OAR in patients under going LDR brachytherapy as either monotherapy or in combination with EBRT. He has inserted over 500 gels either pre-EBRT or at the end of an implant and has run a number of courses for colleagues on the procedure.

In 2010 Professor Langley conceived the idea of creating a state of the art urology centre at the Royal Surrey. He enrolled the help of his local charity and over 10 years raised £3m which was matched by the NHS. He was intimately involved in every aspect of the design and development of the building which received its Royal opening in 2019 and was awarded the RICS HealthCare Building of the Year in 2020.

Professor Langley has been the Director of Cancer Services for the Royal Surrey Hospital and is the Chairman in Urology for the Surrey and Sussex NHS Cancer Alliance. He has received a number of awards and prizes for his work in prostate cancer including a NHS Gold Clinical Excellence Award in 2021.

## References

1. Low-dose-rate brachytherapy for the treatment of localised prostate cancer in men with a high risk of disease relapse. Laing R, Uribe J, Uribe-Lewis S , Money-Kyrle J, Perna C, Chintzoglou S, Khaksar S, Langley SEM *BJU Int.* 2018 Oct;122(4):610-617
2. Long-term oncological outcomes and toxicity in 597 men aged ≤60 years at time of low-dose-rate brachytherapy for localised prostate cancer. Langley SEM, Soares R, Uribe J, Uribe-Lewis S, Money-Kyrle J, Perna C, Khaksar S, Laing R, . *BJU Int.* 2018 Jan;121(1):38-45.
3. Long-term survival after low-dose-rate brachytherapy for prostate cancer: the Royal Surrey experience. Uribe-Lewis S, Uribe J, Bourke V, Deering C, Higgins D, Mehta S, Mikropoulos C, Sophie Otter, Perna C, Khaksar S, Laing R, Langley SEM. 2022 129 (6): 723-73
4. 4D Brachytherapy, a novel real-time prostate brachytherapy technique using stranded and loose seeds. Langley SE, Laing RW. *BJU Int.* 2012 Feb;109 Suppl 1:1-6. doi: 10.1111/j.1464-410X.2011.10824.x.

5. Report of a consensus meeting on focal low dose rate brachytherapy for prostate cancer. Langley SEM, Ahmed H, Al-Qaisieh<sup>3</sup> B, Bostwick D, Dickinson L, Francisco Veiga G, Grimm P, Machtens S, Guedea F, Emberton M. *BJU Int.* 2012 Feb;109 Suppl 1: 7-16
  6. Dosimetry modeling for focal low-dose-rate prostate brachytherapy. Al-Qaisieh B, Mason J, Bownes P, Henry A, Dickinson L, Ahmed HU, Emberton M, Langley SE. *IJROBP* 2015; 92(4):787-93
  7. Hemi-ablative low-dose-rate prostate brachytherapy for unilateral localised prostate cancer. Langley SEM, Uribe J, Uribe-Lewis S, Franklin A, Perna C, Horton A, Cunningham C, Higgins D, Deering C, Khaksar S, Laing R . *BJU Int* 2020 Mar;125(3):383-390
  8. Is hemi-gland focal LDR brachytherapy as effective as whole-gland treatment for unilateral prostate cancer? Langley SEM, Uribe J, Uribe-Lewis S\* , Mehta S, Mikropoulos C, Carla Perna , Otter S, Horton A, Cunningham M, Higgins D, Langley S, Deering C, Khaksar S. *Brachytherapy* 2022, 2 (6):870-876
  9. A brachytherapy template approach to standardize saturation prostatic biopsy. Bott S, Henderson A, McLarty E, Langley SEM. *British Journal of Urology International* 2004; 93(4) 662
- # 5000<sup>th</sup> Brachytherapy patient treated in Guildford  
<https://www.royalsurrey.nhs.uk/news/royal-surrey-treats-5000th-prostate-cancer-patient-with-radioactive-seeds-in-uk-first-7508/>

Stokes Centre for Urology  
Royal Surrey Hospital  
Egerton Road  
Guildford  
GU2 5XX

Tel: 01483 571122 Ext 4852

**Private Practice**

Guildford Nuffield Hospital  
Stirling Road  
Guildford  
Surrey  
GU2 7RF

Tel: 01483 575511

Email: [secretary@specialisturology.com](mailto:secretary@specialisturology.com)

Web: [www.prostatebrachytherapycentre.com](http://www.prostatebrachytherapycentre.com)