



# Evaluation of the Use of Charitable Funds to Purchase a Transperineal Biopsy Machine

## The Benefits to our Service

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# Function of a Transperineal Biopsy Machine

The Charitable Funds Committee approved funding for a £50,000 state of the art Transperineal Biopsy Machine at its meeting on 9<sup>th</sup> March 2021, following a £30,000 donation from the West Wales Prostate Cancer Support Group. The funding request is available to view here:

<https://hduhb.nhs.wales/about-us/governance-arrangements/board-committees/charitable-funds-committee-cfc/charitable-funds-committee-meeting-9th-march-2021/item-3-2-approval-of-charitable-funds-expenditure-over-50-000/>

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The purchase of the Transperineal biopsy machine now allows Hywel Dda to undertake trans perineal biopsies, an advanced biopsy which is safer and has a lower rate of infection, this is due to not having to undertake the biopsy rectally as is the standard process.

It also means that diagnostic rates are improved as well as increasing capacity for prostate biopsies in Hywel Dda.

Transperineal  
Biopsy

The modern  
'Gold Standard'  
to prostate  
cancer diagnosis

# Benefits

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This state-of-the-art machine achieves superior sampling of the anterior and apical regions.

Trans perineal biopsy achieves improved cancer detection rates in cases of prior trans rectal prostate biopsies, this is especially important for surveillance patients who may require multiple biopsies whilst on a surveillance prostate cancer pathway.

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Infection complications are significantly reduced due to the avoidance of needle passage through the rectal mucosa. There is also evidence of reduced fever and sepsis rates when compared with trans rectal biopsies.

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Transperineal biopsy can be performed with local anaesthesia and is feasible in an outpatient setting.

# Conclusion

The purchase of the Transperineal Biopsy machine has allowed Hywel Dda to offer this advanced prostate biopsy locally.

It is known to reduce the risk of infection and complication in patients when compared to transrectal Biopsies.

Transperineal biopsy achieves superior cancer detection rates in case of prior transrectal biopsies and active surveillance patients when compared to transrectal.



Pictured from left, with the new biopsy machine, are: Specialist Nurses Wolfgang Ackerman, David Ceri Thomas and Nicola Thomas; Consultant Mr Yeung Ng; and Cancer Support Worker Janet Mackrell.

Pictured, from left, at the cheque presentation are: Urology Service Manager Lianne Wood; Clinical Nurse Specialist Angharad Watkins; Chair of Hywel Dda University Health Board Maria Battle; Consultant Mr Yeung Ng; David Goddard, Ken Jones and Iori Rees of WWPCSG; and Claire Rumble, Hywel Dda Health Charities Fundraising Officer.

