

# The Prostate BxChip Saves Lab \$75 per Patient and Reduces Pathologist time by 50%



## A Case Study



James Dixon  
Pathology Lab Manager



### About Horizon Moncton Hospital's Pathology Lab

The Horizon Moncton Hospital is part of the largest regional health group in New Brunswick, Canada. With 4 hospitals and more than 100 medical facilities and offices, Horizon's labs process over 16,000 specimens every year, and 2,730 of these are prostate cores.

### About James Dixon, Pathology Lab Manager

James Dixon is the Horizon Moncton Hospital Pathology Lab Manager, whose experience includes twenty-five years at McGill University in Montreal, where he gained experience in digital pathology and an enthusiasm for innovative technologies.

### How Did Horizon Hear about the Lumea BxChip?

"One of our pathologists, Emmanuel Maicas, MD, came to me and said, 'you should look into this product [the BxChip]. It might be beneficial for prostate biopsies.' It just went from there," said James.

Their lab started using Lumea's BxChip in 2019. Since using BxChips incur additional cost, Dixon was responsible for collecting data to determine whether the investment was sound and if it actually reduced overall laboratory costs.

### Results



Pathologists saved 50% in diagnostic time for prostate biopsy cases



Overall per-patient cost savings = \$75.77 (CAN\$101.03)



1 hr 30 min tech time saved per patient

\*Data is based on this lab's use of 2 BxChips (12 cores) per slide. Most labs use 1 slide for each BxChip, so many lab's cost savings may be somewhat less than this lab's experience, due to the cost of an extra slide and marginal extra time spent at microtomy.

In the end, the BxChip proved to be much more beneficial than expected. Dr. Maicas is already excited to use Lumea's new BxChip for GI biopsies, currently in development, to leverage the technology for an even larger portion of the lab.