

Australian Cancer Centre installs Carestream's Clinical Collaboration Platform to improve quality of care and productivity across the enterprise



Peter MacCallum Cancer Centre of Victoria, Australia

Peter MacCallum Cancer Centre is one of the world's leading cancer research, education and treatment centres and is Australia's only public hospital solely dedicated to caring for people affected by cancer. Peter MacCallum Cancer Centre has over 2,500 staff, including more than 580 laboratory and clinical researchers, all focused on providing better treatments, better care and potential cures for cancer. Currently the centres perform approximately 60,000 examinations per year across every imaging modality and this number continues to grow. With such a world-class level of healthcare service, Peter MacCallum requires equipment that ensures the most efficient reporting and turn-around times for patient imaging.

Peter MacCallum Cancer Centre implemented Vue PACS and Vue Archive as part of Carestream Health's Clinical Collaboration Platform. The one Unified Core backend maximises performance while streamlining system administration and reducing cost. The Vue PACS Diagnostic Viewer has a range of native clinical applications such as Advanced 3D Package, Lesion Management, PET-CT,

Mammography and Digital Breast Tomosynthesis that improve productivity and diagnostic quality. Vue Archive acts as a Vendor Neutral Archive (VNA) to store and manage data from third-party software as Peter MacCallum Cancer Centre has very specific requirements for data from Molecular Imaging and Radiotherapy Planning.

Prior to partnering with Carestream, Peter MacCallum's legacy PACS was at end of life and in need of an upgrade. They decided to go to the market and seek the best PACS/VNA that would serve them well in the medium- to long-term future.

Peter Buchanan, Director of Operations Radiation Oncology & Cancer Imaging at Peter MacCallum states that: "The relocation of Peter Mac to a new facility in a precinct with the Royal Women's and Royal Melbourne Hospitals was a strong influence in deciding on which PACS to invest in. The three organisations will be working closely together and interoperability and sharing of image data will be crucial to success. The ability to separate image storage from image viewing through the use of a VNA, thereby future-proofing our image repository, was a key consideration."

Carestream's Platform stood out during the tender process due to its functional capabilities against the unique requirements at Peter MacCallum. The platform also offers a VNA solution, which was a mandatory requirement. Peter MacCallum's Dr. Kwang Chin, Head of Interventional Radiology; Deputy Director, Radiology, reports that: "Imaging of cancer provides unique challenges in that multi-modality, multi-time point comparison of studies is required to adequately assess response to treatment. Since this is the vast majority of Peter Mac's work, as opposed to relatively simple single exams as in general radiology, a PACS and repository that could handle high volume while providing workflow efficiencies was a key factor. Carestream's Platform was adjudged to be the best by our functional evaluation team. The local support they provide and the competitive pricing structure were also key factors."

Testimonial | Peter MacCallum Cancer Centre | Vue Clinical Collaboration Platform

Dr. Chin states that: "Since the implementation of Carestream Vue PACS, greater radiologist throughput has been achieved, average report turnaround times have improved from over 36 hours to around 12 hours, and there have been more efficient multi-modality and multi-time point comparisons through Carestream's Lesion Management functionality."

Peter MacCallum Cancer Centre strives to provide world-class patient care, and Carestream is the right partner helping them to achieve this. "The throughput and report turnaround time have led to more timely report availability, improving the timeliness of patient management decisions by treating clinicians. The functionality and speed of Carestream's Platform has improved the collaboration and efficiency of multi-disciplinary meetings where decisions regarding patient treatment paths are made," states Dr. Chin.

Carestream has been able to seamlessly integrate a third-party data source (MIM Vista) for Molecular Imaging into the enterprise VNA. The ability to archive beyond traditional radiology images has proved to be an excellent solution for the Department. The organization is also now considering adding other image data sets to further leverage the investment made in the current VNA.

Carestream's Clinical Collaboration Platform has now been implemented and functioning at Peter MacCallum Cancer Centre for 6 months. "We have found Carestream to be a responsive vendor thus far and are very happy with the general performance of the product," states Dr. Chin.



*The Peter MacCallum Cancer Centre performs examinations across every type of medical imaging modality. Carestream's Vue PACS and Vue Archive have **improved the turnaround time of clinical reports from an average of 36 hours to 12 hours**, which facilitates more efficient discussions and decisions around patient care and treatments.*

Average report turnaround times **HAVE IMPROVED** from **OVER 36 hours** to **12 hours**

MORE EFFICIENT multi-modality and multi-time point comparisons

through Carestream's Lesion Management functionality

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