Blue Lava AI Inc.

Gold Standard Care, Anywhere

MaRS Discovery District, 101 College Street, Room 150, Toronto, ON, M5G 1L7

Executive Summary

Blue Lava AI enables any cancer treatment center to efficiently deliver world class care for patients. Blue Lava uses AI tools and shared expertise to automatically review and ensure quality of radiation therapy treatment plans.

Team

Meir Dick, CEO
Tom Purdie, CSO, medical physicist
Chris McIntosh, CTO

Target Market

Radiation therapy clinics.
13,133 clinics worldwide.

Market value (based on current operating costs of radiotherapy planing and review):
Total Addressible Market: $3.3 B
Serviceable Available Market: $653 M
Serviceable Obtainable Market: $130 M

Clinical Need

Radiotherapy plan review is time consuming and relies heavily on personal experience and expertise to best manage competing clinical goals. Currently patients treated at smaller cancer centres have worse outcomes than patients treated at high-volume centres.

Product

AutoQA is software that can automatically and objectively measure the quality of radiotherapy treatment plans, reduce variation, and ensure conformance with protocols. The machine-learning software is patient-specific and provides an objective measurement of treatment plan quality. It improves quality by automatically detecting errors and providing quality estimates that allow the user to know what parts of a plan can be improved, and saves hospitals money through automation and reducing the amount of time required to review plans. AutoQA provides an executive summary highlighting the most pertinent issues upfront so reviewers can focus quickly and prioritize, with reduced time and effort.

Competition

Treatment planning systems and oncology information systems:
Varian (Eclipse and Aria), Elekta (Monaco and Mosaiq), Philips (Pinnacle), RaySearch (Raystation and RayCare)

Dedicated plan review software:
MIM (Maestro Plan Review), Sun Nuclear (PlanIQ)

Intellectual Property

"Method and system for automated quality assurance and automated treatment planning in radiation therapy" US20160140300A1