



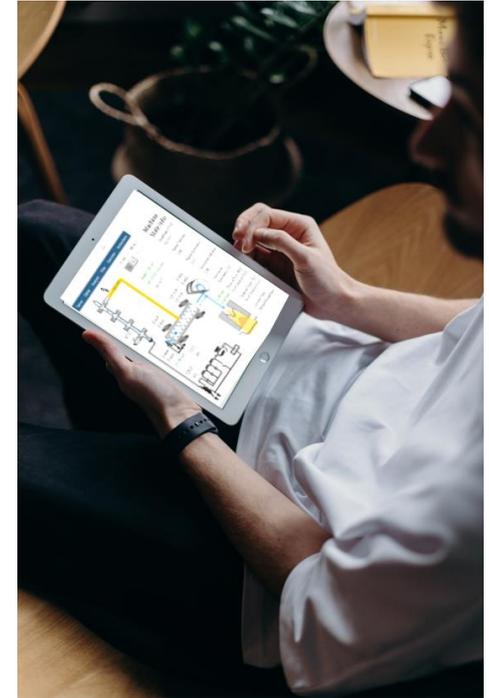
Analyzing Beam information in SIMAC

What is SIMAC?

- A medical linear accelerator simulator.
- Can control linac setup in a similar way as in linac service mode.
- Can make linac adjustments and learn how the machine responds without accessing a real linac.
- Do not have to worry about damaging the linac or mis-calibrating a clinical unit.

About Simac

For early career medical physicists who want to increase their areas of responsibility, SIMAC is a linear accelerator learning environment. It includes a comprehensive description of modern medical linacs. Unlike traditional textbooks, it includes interactive simulations and can be configured to meet the specific learning objectives of students. It can be used for self-study or in a classroom situation.



LINAX

Linax Technologies Ltd.

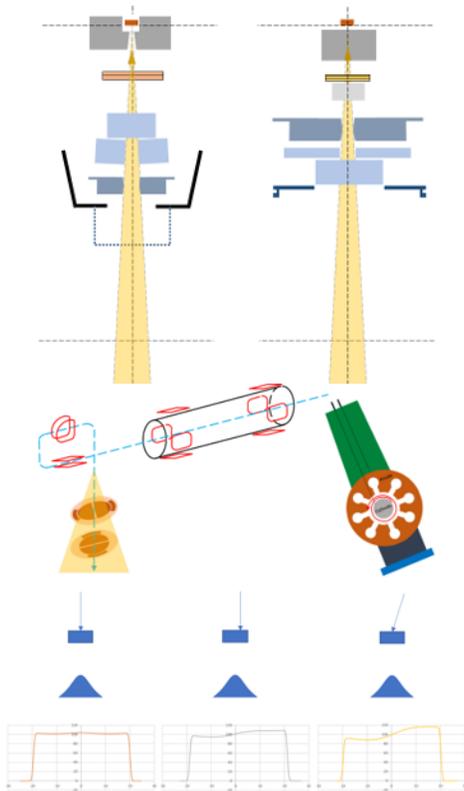
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**Linax Technologies
LTD.**

**Information for
students**

**Simplifying radiotherapy for
anyone who needs it.**



Linac modelling in SIMAC

Linac Technologies

- Our vision is a world where radiotherapy is accessible to anyone who needs it.
- Our mission is to simplify radiotherapy.
- We value open knowledge sharing, collaborations, and communities.

Linax.ca contents:

- Thirteen chapters on different linear accelerator subjects
- Each chapter has a minimum of 15 quiz questions (many have more).
- Each chapter has a video lecture as well as written out text.

Like a flight simulator for pilot training, we envision an integrated platform where learners can manipulate the operating parameters of a linear accelerator and learn how to adjust them in a secure environment without the risk of damaging the accelerator or misadjusting the machine, in the comfort of your office or favorite couch.

- Eight exercises or linac laboratories that study the effects of each linac component.
- A medical linac simulator that can calculate radiation beam profiles from setup of the modulator, gun current bending magnet setting.
- Beam profile, depth dose and bremsstrahlung calculations and graphing.



What is Linax.ca?

- A modern day learning environment.
- Same quality content as a traditional textbook.
- Enhanced learning through interactive content.
- Virtual laboratories in an on-line environment.
- Self-paced learning.
- Self-assessment.
- Tag content you are interested in so that you can study it and focus on it when you are ready.