

**Post-graduated course “Basic aspects of Medical Physics in Nuclear
Medicine”: theoretical/practical intensive version.
Preliminary results.**

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Abstract

Using national and international recommendation about human resource in Nuclear Medicine, a group of experts organized a National Course for the education and training of physicist who works in Cuban hospital, adapted to national condition and practice of Nuclear Medicine. The program was approved for National Authorities in Nuclear Security and University School in Medicine and content three intensive theoretic and practical courses (15 days of full time duration each), complemented with 4 months full time in Nuclear Medicine Service monitored by accredited expert and 2 months at distance with practical task. The theoretical/practical intensive courses have final evaluation: combining practical exercise and write final test. When all docent activities finish the students should pass a final evaluation by a testing board composed for (at least) three accredited experts.

The first theoretical/practical course included 19 physicists who work in hospital, the second 17 and the third 16 students.

With 100 point of maximum score and 60 point minimum to pass, the partial final tests included: true or false choice (with 10 aspects to verify, 1 point/correct answer) and questions to write developed answer. The average result was 83.02 points/students (range 65-100points).

The students evaluated "satisfactory" the quality of different courses (in anonymous poll), reporting like very good: the quality of conferences, excellent: the usefulness of different charters, very good: the support bibliography, and recommended the repetition of this kind of education and training in order to warranty the human resource, in the same way and content, and included others item in the future.

Conclusion: the theoretical/practice intensive courses of this Post-graduated course were successful and satisfied the objective of education and training of medical physicist in Nuclear Medicine.

KEYWORDS: education and training, medical physics, nuclear medicine.

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