

## Health Information and Quality Authority

# Report of the assessment of compliance with medical exposure to ionising radiation regulations

Name of Medical Radiological Installation:	Pro-Dental
Undertaking Name:	Pro-Riso Dental Clinic Limited
Address of Ionising Radiation Installation:	Unit 6, Jervis Street, Dublin, Dublin 1
Type of inspection:	Announced
Date of inspection:	12 February 2025
Medical Radiological Installation Service ID:	OSV-0008467
Fieldwork ID:	MON-0046191

About the medical radiological installation (the following information was provided by the undertaking):

Pro Dental is a dental clinic that offers a wide range of dental services, including preventive care, restorative dentistry, cosmetic dentistry, and further dental treatments.

## How we inspect

This inspection was carried out to assess compliance with the European Union (Basic Safety Standards for Protection against Dangers Arising from Medical Exposure to Ionising Radiation) Regulations 2018, as amended. The regulations set the minimum standards for the protection of service users exposed to ionising radiation for clinical or research purposes. These regulations must be met by each undertaking carrying out such practices. To prepare for this inspection, the inspector<sup>1</sup> reviewed all information about this medical radiological installation<sup>2</sup>. This includes any previous inspection findings, information submitted by the undertaking, undertaking representative or designated manager to HIQA<sup>3</sup> and any unsolicited information since the last inspection.

As part of our inspection, where possible, we:

- talk with staff to find out how they plan, deliver and monitor the services that are provided to service users
- speak with service users<sup>4</sup> to find out their experience of the service
- observe practice to see if it reflects what people tell us
- review documents to see if appropriate records are kept and that they reflect practice and what people tell us.

## About the inspection report

In order to summarise our inspection findings and to describe how well a service is doing, we describe the overall effectiveness of an undertaking in ensuring the quality and safe conduct of medical exposures. It examines how the undertaking provides the technical systems and processes so service users only undergo medical exposures to ionising radiation where the potential benefits outweigh any potential

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<sup>1</sup> Inspector refers to an Authorised Person appointed by HIQA under Regulation 24 of S.I. No. 256 of 2018 for the purpose of ensuring compliance with the regulations.

<sup>2</sup> A medical radiological installation means a facility where medical radiological procedures are performed.

<sup>3</sup> HIQA refers to the Health Information and Quality Authority as defined in Section 2 of S.I. No. 256 of 2018.

<sup>4</sup> Service users include patients, asymptomatic individuals, carers and comforters and volunteers in medical or biomedical research.

risks and such exposures are kept as low as reasonably possible in order to meet the objectives of the medical exposure.

A full list of all regulations and the dimension they are reported under can be seen in Appendix 1.

**This inspection was carried out during the following times:**

Date	Times of Inspection	Inspector	Role
Wednesday 12 February 2025	12:30hrs to 16:10hrs	Emma O'Brien	Lead
Wednesday 12 February 2025	12:30hrs to 16:10hrs	Agnella Craig	Support

## Summary of findings

An inspection of Pro-Riso Dental Clinical Limited at Pro-Dental was conducted by inspectors on 12 February 2025. This inspection was conducted as a follow up to the inspection in January 2025 to assess the optimisation of medical exposures following the resumption of medical radiological procedures at Pro-Dental. Also, inspectors reviewed documentation on the day of this inspection to verify that the equipment in Pro-Dental was suitable for clinical use.

On the previous inspection in January 2025 inspectors were informed by the undertaking that the equipment was not being used for medical radiological procedures as some actions from the Medical Physics Expert (MPE) quality assurance (QA) report were still outstanding and required action by the service engineer. The undertaking had subsequently notified HIQA, following the inspection in January 2025, that Pro-Dental had resumed conducting orthopantomogram (OPG) medical radiological procedures as the outstanding actions had been addressed by the service engineer. During this inspection, in February 2025, inspectors reviewed the most recent service engineer's report and were satisfied that the actions highlighted by the MPE had been addressed.

During this inspection, inspectors also reviewed records of completed OPG procedures and were satisfied that exposure doses were optimised. Inspectors were also satisfied that local facility diagnostic reference levels (DRLs) had recently been reviewed and updated, were compared to national DRLs, and were available to practitioners when conducting medical radiological procedures.

In summary, inspectors were satisfied following this inspection in February 2025 that the undertaking, Pro-Riso Dental Clinic Limited, had implemented a number of improvements, including the strict surveillance of medical radiological equipment and the review of local DRLs, to ensure the optimisation of medical radiological procedures at Pro-Dental. Additionally, the undertaking provided assurance to inspectors that information, including the investigation report and corrective actions for the recently reported significant event will be submitted to HIQA in due course. Inspectors were also satisfied that only OPG imaging was being conducted at this facility at the time of the inspection and confirmation of the completion of cone beam computed tomography (CBCT) training that aligns with Dental Council requirements will be provided to HIQA before CBCT imaging resumes at Pro-Dental.

## Regulation 9: Optimisation

Inspectors viewed records and spoke with staff working in the service in relation to dose optimisation. Inspectors were satisfied that exposure doses for OPG procedures were optimised. For most of the records viewed by inspectors the

exposure doses were broadly comparable to the local facility DRLs, acknowledging two variations due to the patients' physiological characteristics.

In the clinical area, inspectors noted that recently updated exposure charts for all procedures were displayed beside the equipment and that local facility DRLs were displayed along with the national DRLs for procedures. The purpose of these exposure charts should be known by staff and used by staff when completing medical radiological procedures to ensure that doses are optimised.

From the evidence gathered on the day of this inspection inspectors were satisfied that doses due to medical exposures for OPG procedures were kept as low as reasonably achievable.

Judgment: Compliant

### Regulation 14: Equipment

During the previous inspection in January 2025 inspectors were informed that the equipment was not being used to conduct medical radiological procedures as there were two issues outstanding from a recent MPE QA report that required action by the service engineer. On the day of this inspection inspectors reviewed the most recent service engineer QA report which confirmed that these issues had been resolved and that the equipment was suitable for clinical use. Staff also provided inspectors with evidence that the MPE had been informed that these issues had been addressed. This provided inspectors with assurance that the equipment at Pro-Dental was now kept under strict surveillance by the undertaking.

Judgment: Compliant

## Appendix 1 – Summary table of regulations considered in this report

This inspection was carried out to assess compliance with the European Union (Basic Safety Standards for Protection against Dangers Arising from Medical Exposure to Ionising Radiation) Regulations 2018, as amended. The regulations considered on this inspection were:

Regulation Title	Judgment
<b>Summary of findings</b>	
Regulation 9: Optimisation	Compliant
Regulation 14: Equipment	Compliant