

Announced Variation to Registration Care Inspection Report 6 February 2018



Bachelors Walk Dental Surgery

Type of Service: Independent Hospital (IH) – Dental Treatment
Address: 39 Bachelors Walk, Lisburn BT28 1XN
Tel No: 028 9266 3022
Inspector: Norma Munn

www.rqia.org.uk

Assurance, Challenge and Improvement in Health and Social Care

It should be noted that this inspection report should not be regarded as a comprehensive review of all strengths and areas for improvement that exist in the service. The findings reported on are those which came to the attention of RQIA during the course of this inspection. The findings contained within this report do not exempt the service provider from their responsibility for maintaining compliance with legislation, standards and best practice.

1.0 What we look for



2.0 Profile of service

This is a registered dental practice with three registered places.

3.0 Service details

Registered Providers: Dr Craig Gibson and Dr Andrew Wallace	Registered Manager: Dr Andrew Wallace
Person in charge at the time of inspection: Dr Andrew Wallace	Date manager registered: 4 November 2011
Categories of care: Independent Hospital (IH) - Dental Treatment	Number of registered places: 3

Laser equipment

Manufacturer: Quicklase

Model: Dentalase 5w

Serial Number: 050717002

Laser Class: 4

Wavelength: 810nm

Laser protection advisor (LPA)

Ms Estelle Walker

Laser protection supervisor (LPS)

Dr Andrew Wallace

Authorised operator

Dr Andrew Wallace

Type of treatments provided:

The Dentalase 5w is a soft tissue laser that can be used to effectively aid a wide range of treatments from the treatment of gum disease to root filling, restorations and minor surgery.

The laser treatment can also improve healing and provide pain relief.

4.0 Inspection summary

An application was submitted to RQIA by Dr Andrew Wallace in respect of Bachelor's Walk Dental Surgery for variation of registration to include prescribed techniques or technologies: establishments using a Class 4 laser. The application forms and supporting documentation were reviewed as part of the inspection process.

The announced variation to registration inspection took place on 6 February 2018 between the hours of 11.00 and 12.20. The inspection sought to review the readiness of the practice to provide dental treatments using a Class 4 laser.

The inspector was accompanied by Dr Ian Gillan, RQIA's Medical Physics Advisor; the findings and report of Dr Gillan are appended to this report. Dr Andrew Wallace, registered person, was available during the inspection and for verbal feedback at the conclusion of the inspection.

The dental practice is registered with RQIA and an announced inspection in relation to the dental service was carried out in May 2017, when no areas for improvement were made.

No areas for improvement were identified during this inspection.

This inspection was underpinned by The Independent Health Care Regulations (Northern Ireland) 2005, The Regulation and Improvement Authority (Independent Health Care) (Fees and Frequency of Inspections) (Amendment) Regulations (Northern Ireland) 2011, the Department of Health, Social Services and Public Safety (DHSSPS) Minimum Standards for Dental Care and Treatment (2011) and the DHSSPS Minimum Care Standards for Independent Healthcare Establishments (July 2014).

The variation to registration to include prescribed techniques or technologies: establishments using a Class 4 laser was approved from a care perspective following this inspection.

The findings of this report will provide the practice with the necessary information to assist them to fulfil their responsibilities, enhance practice and patients' experience.

While we assess the quality of services provided against regulations and associated DHSSPS care standards, we do not assess the quality of dentistry provided by individual dentists.

4.1 Inspection outcome

	Regulations	Standards
Total number of areas for improvement	0	0

This inspection resulted in no areas for improvement being identified. Findings of the inspection were discussed with Dr Wallace, registered person, as part of the inspection process and can be found in the main body of the report.

4.2 Action/enforcement taken following the most recent care inspection dated 4 May 2017

No further actions were required to be taken following the most recent inspection on 4 May 2017.

5.0 How we inspect

Prior to the inspection a range of information relevant to the service was reviewed. This included the following records:

- the submitted variation to registration application
- the statement of purpose
- documentation in relation to laser safety and training
- the previous care inspection report

During the inspection the inspector met with Dr Wallace, registered person and one dental nurse. A tour of some areas of the premises was also undertaken.

The following records were examined during the inspection:

- documentation included in the laser protection file
- the most recent RPA report
- the laser local rules
- training records
- documentation required by legislation and good practice in relation laser safety
- documentation in relation to the recruitment and selection of staff

The findings of the inspection were provided to Dr Wallace, registered person, at the conclusion of the inspection.

6.0 The inspection

6.1 Review of areas for improvement from the most recent inspection dated 4 May 2017

The most recent inspection of the practice was an announced care inspection.

6.2 Review of areas for improvement from the last care inspection dated 4 May 2017

There were no areas for improvement made as a result of the last care inspection.

6.3 Inspection findings

Recruitment and selection

Discussion with Dr Wallace confirmed that two new staff have been recruited since the previous inspection. A review of the personnel files for these staff members demonstrated that all the relevant information as outlined in Schedule 2 of The Independent Health Care Regulations (Northern Ireland) 2005 has been sought and retained.

The practice has developed a recruitment policy and procedure however this policy was not reviewed during this inspection.

Staff training and development for staff using lasers and intense light sources

A record of training was available for Mr Wallace as the authorised operator. Core of knowledge training was undertaken on 31 October 2017 and the safe use and application of the laser training was undertaken on 30 October 2017.

A record of training was available to confirm that laser safety awareness training has been provided during December 2017 for staff not directly involved in the use the laser.

Infection prevention and control

The practice has policies and procedures in place for infection prevention and control. However, the dental nurse confirmed that the policy had not been developed to include cleaning schedules in relation to the laser equipment. Following the inspection RQIA received confirmation that cleaning schedules have been devised and implemented in relation to the decontamination of laser equipment between patients including the protective eyewear.

Dr Wallace confirmed that staff have received training in infection prevention and control.

The practice has hand washing facilities available within the surgery where the laser will be operated. There were adequate supplies of personal protective equipment, liquid soap, alcohol based hand gels and disposable hand towels available. Dr Wallace has agreed to ensure that the overflow in the hand wash basin is blanked off and the plug is removed in keeping with best practice guidance. Dr Wallace was advised to relocate the hand washing signage to beside the hand washing basin so that staff can refer to this if required.

Patient information and laser procedures

Dr Wallace confirmed that the treatment to be provided, risks, complications and expected outcomes will be discussed with the patient during the initial consultation. Patients will be provided with an opportunity to discuss their treatment and any concerns they may have. However, written information for patients was not available to review with the exception of a leaflet from the manufacturer detailing questions frequently asked regarding lasers and dentistry. Dr Wallace agreed to develop written information for patients to include the specific laser procedures that explain the risks, complications and expected outcomes of the treatment and aftercare instructions will also be provided following treatment. Following the inspection RQIA received a copy of the written information that has been provided for patients explaining

the risks, complications and expected outcomes of the treatment and aftercare instructions will also be provided following treatment.

Procedures for the use of lasers and intense light sources

Laser procedures will be carried out in accordance with dental laser treatment protocols produced by Dr Wallace. The dental laser treatment protocols reviewed did not include the areas listed in the DHSSPS Minimum Care Standards for Independent Healthcare Establishments (July 2014). Dr Wallace agreed to develop the dental laser treatment protocols to include the following:

- contraindications
- technique
- pre-treatment tests
- pre-treatment care
- post-treatment care
- recognition of treatment-related problems
- procedure if anything goes wrong with treatment
- permitted variation on machine variables
- procedure in the event of equipment failure

Following the inspection RQIA received a copy of the dental laser treatment protocols as listed above. These dental laser treatment protocols should be reviewed annually.

The written confirmation of the appointment and duties of a certified LPA is valid for five years from 1 August 2013.

A risk assessment in relation to the use of a laser was undertaken by the LPA on 25 October 2013. The practice has local rules developed by their LPA and written during November 2017.

The local rules reviewed included:

- the potential hazards associated with lasers and intense light sources
- controlled and safe access
- authorised operators' responsibilities
- methods of safe working
- safety checks
- personal protective equipment
- prevention of use by unauthorised persons
- adverse incident procedures

It was advised that the authorised operator and any staff who may be present in the room when the laser is in use sign to state that they have read and understood the local rules and dental laser treatment protocols. Following the inspection RQIA received confirmation that this has been addressed.

A report of the visit by the LPA on 31 October 2017 was available for inspection. The report highlighted a range of issues for action. Dr Wallace advised that the recommendations made had been actioned.

The name of the person who has overall on-site responsibility for safety during laser treatments is recorded within the local rules. Dr Wallace is the only person authorised to operate the laser equipment and a register of authorised operators is maintained.

A laser register has been established. The register included an area to record the following:

- the name of the person treated
- the date
- the operator
- the treatment given
- the precise exposure
- any accident or adverse incidents

Dr Wallace confirmed patient laser treatments will be recorded on patient dental care records. Records will be retained in an electronic format and appropriate systems and processes are in place for the management of records and maintaining patient confidentiality. The practice is registered with the ICO.

Safe operation of lasers and intense light sources

The environment in which the laser will be used was found to be controlled to protect other persons while treatment is in progress. The controlled area is clearly defined and there is restricted access to areas when treatment is being carried out. When the equipment is in use, the safety of all persons in the controlled area is the responsibility of Dr Wallace.

Laser safety warning signs will be displayed when the laser is in use and removed when not in use as described within the local rules.

Protective eyewear was available for the patient, the authorised user and the laser assistant as outlined in the local rules. However, the eyewear provided to be worn by the patient did not comply with European safety standards. Dr Wallace was advised to seek advice from his LPA regarding the protective eyewear provided. Following the inspection RQIA received confirmation that eyewear for patients had been replaced with protective eyewear that complies with European safety standards.

The entrance doors to the surgery will be locked when the laser equipment is in use but can be opened from the outside in the event of an emergency. An access code is required to operate the laser which will only be known by the authorised operator.

There was a laser safety file in place.

Dr Wallace confirmed that he will ensure that the laser equipment is serviced and maintained in accordance with the manufacturers' instructions.

A carbon dioxide (CO₂) extinguisher suitable for electrical fires was available in the corridor outside of the surgery.

Areas for improvement

No areas for improvement were identified during the inspection.

	Regulations	Standards
Total number of areas for improvement	0	0

6.4 Conclusion

The variation to registration to include prescribed techniques or technologies: establishments using a Class 4 laser was approved from a care perspective following this inspection.

7.0 Quality improvement plan

There were no areas for improvement identified during this inspection, and a QIP is not required nor included as part of this inspection report.

6th February 2018

Ms Norma Munn
Regulation & Quality Improvement Authority
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Riverside Tower
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Belfast
BT1 3BT

Dear Norma

Laser Protection Report

Bachelors Walk Dental Surgery, 39 Bachelors Walk, Lisburn BT28 1XN

Introduction

Further to the inspection visit to the above premises earlier today, this report summarises the main Laser Protection aspects where improvement may be required. The findings are based on the requirements of European Standards and the Control of Artificial Optical Radiation at Work Regulations (Northern Ireland) 2010.

Deficiencies / Comments

- (1) The laser protective eyewear worn by the patient should comply with EN207. The clinic should seek the advice of their LPA on whether total patient blocking shields are required or whether close fitting eyewear with protection at the laser wavelength would be appropriate.
- (2) The laser treatment protocols should be further developed to include the points listed in paragraph 48.3 of the HSSPS Minimum Standards for Independent Health Care Establishments.
- (3) As discussed during the inspection the requirement to enter a passcode into the laser provides a similar level of security to a conventional key.
- (4) It is important that all staff who may be present in the room when the laser is in use are aware of the safety arrangements detailed in the local rules and that there is record such as a signature confirming this fact.

The clinic should inform RQIA when the above matters have been addressed.



Dr Ian Gillan
Laser Protection Adviser to RQIA

Appendix

Bachelors Walk Dental Surgery, 39 Bachelors Walk, Lisburn BT28 1XN

Laser System

Manufacturer:	Quicklase
Model:	Dentalase
Serial Number:	050717002
Class	4
Wavelength	810nm

Laser Protection Adviser

Estelle Walker, Onephoton Ltd



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