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A Questionnaire Survey to Establish Current Clinical Practice of Radial

consuming treatment to treat chronic Lateral Elbow Tendinopathy but expensiv

Conclusion: The results of the questionnaire present a representative vector by the conclusion of the questionnaire present a representative vector by the conclusion of the questionnaire present a representative vector by the conclusion of the questionnaire present a representative vector by the conclusion of the questionnaire present a representative vector by the conclusion of the questionnaire present a representative vector by the conclusion of the questionnaire present a representative vector by the conclusion of the questionnaire present a representative vector by the conclusion of the questionnaire present a representative vector by the conclusion of the question of t

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Citation: Öi {icli[•Å ÙÅ ÇG€G€DÅ ŒÅ Û*^•di[}}æił^Å Ù*iç^^Å c[Å Ò•œà]i•@Å Ô*i!^}d^ Clinical Practice of Radial Extracorporeal ShockWave Therapy (rESWT) for the Management of Pain and Functional Impairment on Chronic Lateral Elbow V^}åi][]œ@°ÅiÅÞi&[•iæĚłRÅÞ[çÅŰ@°•i]c@^!ÅF€ſÅI IHĖ

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Respondents who reported that they used rESWT to treat chronic LET were then asked to report, in their opinion, (i) the aim; (ii) how many chronic LET patients were managed in a clinical setting the last month; (iii) the treatment regimen (number of treatment sessions and frequency of treatment), the protocol (individual or standardised) and the compliance; (iv) the clinical outcome (short-term and longterm effects); (v) the side effects and the contraindications; (vi) if the treatment was painful for patients; and (vi) the cost (expensive or not) and the risk (time consuming or not) applications. All these questions were asked related to the treatment the respondents used to treat LET.

\mathbf{P} c \mathbf{d}

A pilot study using the described above questionnaire was carried out in early November 2015. e number of subjects required for a pilot study is o en dependent on circumstance and resource [12-15]. Georgoudi, Watson & Oldham (2000) report that ten subjects is a satisfactory number[16]. Since ten subjects have been used to run pilot studies for other questionnaire surveys, the present questionnaire was administered to ten physical therapists in Nicosia. e ten physiotherapists who were selected for the pilot study were drawn from the population for inclusion in the main study. e design of the questionnaire was subsequently discussed with the respondents and their comments noted. e results of the pilot study were not included in the nal data analysis.

All respondents returned the questionnaire. Seven out of ten questionnaires were fully completed. Based upon the comments received during the pilot study, limited rewording of a number of questions was thought necessary to improve clarity. e meaning of word "recently" had to be de ned (question 9). It was also necessary to reword the questions that asked when respondents attended a course about the conservative treatment of LE and who reproduced the pain in patients by digital palpation. No additional negative comments or

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e mail addresses of the 300 Nicosia members of the Cyprus Physiotherapy Association were obtained and random samples of 220 Nicosia physiotherapists (73%) were sent the questionnaire, accompanied by an invitation letter in mid-January of 2016.

e questionnaire was designed to assure the con dentiality and anonymity of the responding physical therapists, since there was no coding to identify the questionnaires. Physical therapists completed the questionnaires and sent the completed questionnaires to the investigator using the self-addressed stamped envelope that was included. When the questionnaire was returned, the returned envelope was discarded maintaining the con dentiality and anonymity of the subjects' responses to the questionnaire.

Oppenheim (1992) suggests that questionnaires should be returned in a period of two weeks from the time they are distributed to participants[18]. However, such a period of time is not long enough to provide a high response rate. erefore, the investigator of the project chose to extend the deadline of the present study for two more weeks, giving an opportunity to the participants to return the questionnaires in four weeks (by mid-February 2016) from the time which they received them. is deadline was extended in the hope of increasing the response rate. No questionnaires were received a er the deadline of the four weeks. No follow-up reminders were sent to assure anonymity. Page 3 of 5

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consideration. RESWT was a commonly used treatment in practice.

e most likely explanations for this are that the rESWT is a common physiotherapy treatment for a plethora of musculoskeletal disorders, no special training machines are needed, no speci c "skills" from the physiotherapist are needed, more patients are familiar with it, and patients can understand that they are receiving a real treatment. Future surveys are needed to con rm these explanations and/or to add more.

It was reported that the aim of rESWT was to reduce pain and improve function. is answer was expected because this is the priority aim of physiotherapy management[20].

e recommended regimen for rESWT in the treatment of chronic LET is once per week for 3-5 weeks. All respondents who predominately used rESWT to treat chronic LET reported in the present survey that they administered this treatment for chronic LET once per week for four weeks, supporting the ndings of the literature. All respondents reported that they used a standardized treatment regimen. e previously reported regimen may be recommended because of convenience with the clinical route/routine, or alignment with manufacturers' recommendations, expert advice, and/or personal experience. Future surveys might reveal why all clinicians reported the same treatment regimen. Such research was beyond the scope of this project.

Clinicians reported that they believed that rESWT was an e ective treatment for chronic LET in both the short term (one month a er the end of treatment) and in the long term (6 months a er the end of treatment). However, the exercise program is the most e ective conservative treatment approach in the management of LET. e rESWT is recommended when the exercise program fails or other conservative techniques fail. It is known that all the other types of conservative therapy are less e ective than the exercise program in the management of LET. In addition, ESWT does not use as a substitute for exercise but as a supplement to exercise program.

In addition, the choice of treatment should be based not only on

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How much this re ects usage in the rest of the Cyprus, Europe, or even the world, is yet to be seen by extending the research.

С c hs

A questionnaire-based survey was conducted to establish the current clinical practice for rESWT in the treatment of chronic LET, based on the self-reporting of chartered physiotherapists in Nicosia who are using this treatment in their clinical practices. It appears that research in this area is warranted not only to substantiate the subjective

ndings of individual physiotherapists, but also to explore the possible clinical relevance of this treatment. While cellular and animal models have their part to play and can provide much useful information in this respect, the work would be best completed in human subjects by conducting well-designed clinical trials.

References

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