Leprosy and Physiotherapy: a necessary approach

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Abstract

Introduction: New cases of leprosy occur due to a set of factors associated with the lack of knowledge about the disease, both by health professionals and patients, favoring late diagnosis, the development of physical and social disabilities, stigma and prejudice.

Objective: To verify the knowledge of students completing the physiotherapy course on leprosy and professional practice in the care of patients with the disease.

Methods: A qualitative exploratory descriptive study was conducted with 68 undergraduate students from physiotherapy courses from public and private universities (AU, UB, UC), in the State of Mato Grosso do Sul. Data were collected through a questionnaire with ten open questions about knowledge, practical action, motivations, interests and teaching-learning process about leprosy. To organize and analyze the data, the collective subject discourse technique was used.

Results: It was found that 60% of AU students, 63% of UB and 30.8% of UC have a general conception about the disease. 46.7% of AU students, 77.8% of UB and 80.9% of UC never had contact with leprosy patients. More than half of the students at the three universities said they were unaware of the physiotherapy approaches and practices in leprosy. Almost 100% of UB and UC students stated that the subject was not addressed during the course and therefore did not feel prepared to provide health education and to guide on how to prevent physical deficiencies resulting from leprosy. 73.3% of AU students, 96.3% of UB and 100% of UC recorded negative evaluations, qualifying the course as precarious, insufficient and weak in the leprosy approach.

Conclusion: It is concluded that leprosy should be included in physiotherapy courses systematically, providing practical care activities, developing skills from prevention to rehabilitation, seeking greater motivation and identification of his work in this area.

Keywords: higher education, learning, professional practice, leprosy, physiotherapy.
More than 16 million patients throughout the world have been treated for leprosy in the last 20 years, with 211,973 new cases occurring in 2015, accounting for 2.9 new cases per 10,000 people. These new cases indicate the transmission continuity of the disease, of which 94% were registered in only 13 countries (Bangladesh, Brazil, Democratic Republic of Congo, Ethiopia, India, Indonesia, Madagascar, Myanmar, Nepal, Nigeria, Philippines, Sri Lanka And the United Republic of Tanzania). Thus, the World Health Organisation has launched the Global Leprosy Strategy 2016-2020, with the intention of eliminating leprosy from the world by increasing knowledgeable teams and focusing on three pillars: government ownership, coordination and partnership, an end to leprosy and its complications, and the cessation of discrimination and the promotion of inclusion.

Leprosy is a compulsorily notifiable disease in Brazil, with the highest detection rates in the central-west, north and northeast regions of the country. In 2015, there were 28,761 new cases (13.6% of global cases), placing Brazil in second place in the world. The main concern is the existing active transmission circuit, with 7.3% of national cases occurring in young people under 15 years of age, representing a detection coefficient of 4.88 per 100,000 people in this age group (considered high index).

New leprosy cases occur due to a set of factors connected to a lack of knowledge of the disease, both by health professionals and patients. Several physicians have no knowledge of the transmission mechanisms of leprosy, and encourage patient behaviours that increase the negative stigma of the disease. Leprosy study participants (42% of them) reported that physicians had not diagnosed them primarily with the disease, confusing it with rheumatism and skin allergies.

Besides the difficulty of obtaining a rapid diagnosis, it is common for patients to discontinue treatment and to be unaware of the symptoms of the disease. Leprosy is not approached with a singular language that is understandable to people who do not have complete schooling, thereby impairing the continuity of treatment and the identification of disease symptoms. Moreover, most professionals are not able to deal with the psychological aspects of these patients, who require a sensitive approach to the experience of suffering and the stigma associated with leprosy.

Physiotherapist intervention is essential for a physical and functional evaluation and for the prevention or minimisation of physical disabilities, considering that many patients have disabilities during the diagnosis phase or develop them during leprosy treatment. These disabilities have a major impact on the patient’s social and work life, largely because of the emotional distress associated with the illness. Thus, this study aimed to assess knowledge about leprosy and the professional performance of physiotherapy graduating students at public and private universities.

This study was submitted and approved by Ethics and Research Committee of the Federal University of Mato Grosso do Sul (document nº. 159,139).
Table 1: Model for CSD composition

<table>
<thead>
<tr>
<th>Student response and Key Expression</th>
<th>What is leprosy for you?</th>
<th>Central Idea</th>
<th>Collective Subject Discourse</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1. It is an infectious-contagious disease, which has treatment and if left untreated leaves major sequelae.</td>
<td>Infectious-contagious disease.</td>
<td>It is an infectious contagious disease, also known as Hansen's disease. It has treatment, but if left untreated leaves major sequelae.</td>
<td></td>
</tr>
<tr>
<td>S2. It is an infectious-contagious disease, also known as hansen's disease.</td>
<td>Infectious-contagious disease.</td>
<td></td>
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<tr>
<td>S3. It is an infectious-contagious disease.</td>
<td>Infectious-contagious disease.</td>
<td></td>
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<tr>
<td>S4. It is a pathology in which part of its manifestation occurs in the skin.</td>
<td>Skin disease.</td>
<td>Leprosy is a disease that has spots, where part of its manifestation occurs in the skin, but I know there are other symptoms.</td>
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<tr>
<td>S5. Leprosy for me is a skin disease.</td>
<td>Skin disease.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S6. It is a disease that has spots and it shows signs on the skin, but I know there are other symptoms.</td>
<td>Skin disease.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

RESULTS

The results are presented according to categories and frequencies, separating the CIs and the discourses by university.

The three universities did not present specific classes and times for the leprosy study, as the general aspects of the disease were mentioned in classes including Community Health, Microbiology, Pathology and Neurology (peripheral lesions).

Table 2: Main ideas and discourses about the conception of leprosy described by the evaluated students of Physiotherapy course, from three universities, Mato Grosso do Sul, 2014 (NT = 68).

<table>
<thead>
<tr>
<th>Question 1: What is leprosy for you?</th>
<th>Central Idea</th>
<th>Collective Subject Discourse</th>
</tr>
</thead>
<tbody>
<tr>
<td>UA (N = 15)</td>
<td>Infectious-contagious disease, with skin spots and altered sensitivity (60.0%; n=9)</td>
<td>“It is a dermatological disease, infectious-contagious, transmitted by the Hansen's bacillus, causes spots on the skin and reduces the sensitivity in that region, present dormancy and joint involvement”.</td>
</tr>
<tr>
<td>UB (N = 27)</td>
<td>Infectious disease, affects the peripheral nerves, causes spots on the skin, with altered sensitivity, has a cure (63.0%; n=17).</td>
<td>“Leprosy is an infectious, dermatological disease caused by some bacteria and has a cure. Its main manifestation are spots on the skin without present sensibility, it affects peripheral nerves, being able to cause serious superficial lesions, loss of the motricity and muscular atrophy. It can cause tissue loss due to areas that are necrotic. Treatment is made by medication use”.</td>
</tr>
<tr>
<td>UC (N = 26)</td>
<td>Infectious-contagious disease, which causes spots on the skin, with altered sensitivity, has a cure (38.6%; n=10).</td>
<td>“Leprosy is a pathology characterized by absence of sensitivity in the affected areas, which leads to a functional impairment for the carriers. Formerly it was called “leprosy”. Causes wounds on the skin, stains on the body and affects the peripheral nervous system. It is caused by an infectious agent (bacteria) that causes nervous degeneration, impairment of the integrity of tissues, which in the advanced stage can reach tissue necrosis. It is a disease that has a cure if treated correctly”.</td>
</tr>
</tbody>
</table>

Note: NT = total number of students assessed; N = number of evaluated students by university; n = number of students with the same central ideas.
13.4% (2) of UA, 22.2% of UB (6) and 19.1% (5) of UC did not know the disease, indicating it as: ‘an autoimmune disease that causes a skin stain’, ‘caused by a virus’, ‘animal disease transmitted by animals’, ‘non-contagious, and has no cure, only treatment’.

**Question 2: Have you ever had contact with a leprosy patient?** Where and how was it? – 46.7% (7) of UA students, 77.8% (21) of UB and 80.9% (21) of UC had never had contact with leprosy patients. However, 53.3% (8) of UA mentioned contact with patients during the course, through visiting a hospital or during a curricular traineeship in a polyclinic or public health unit. Some testimonies showed a lack of knowledge about the disease and insecurity: ‘Yes, at the public health unit, during the stage, the patient had a lot of sequelae. It was worrisome because we did not have personal protective equipment and the patient had several skin lesions and we were not certain if it was treated or cured’. Others felt safe because they were sure that the patient was already on treatment. At UB and UC, contact occurred during hospital visits, extracurricular activities and in the subjects’ personal lives.

**Question 3: Do you think leprosy patients suffer from preconception? For what reasons?** - 100% (68) of the students said yes. The main reasons for UA and UB were the contagious characteristic of the disease and the physical stains and sequelae. For UC, the main reasons were the aesthetic aspect, lack of knowledge about the disease and the historical factors associated with leprosy (Table 3).

**Table 3: Main ideas and discourses about the reasons for prejudgement described by the evaluated students of Physiotherapy course, from three universities, Mato Grosso do Sul, 2014 (NT = 68).**

<table>
<thead>
<tr>
<th>Question 3: Do you think leprosy patients suffer from preconception? For what reasons?</th>
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<tbody>
<tr>
<td><strong>Central Idea</strong></td>
</tr>
<tr>
<td>UA (N = 15)</td>
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<td></td>
</tr>
<tr>
<td>UB (N = 27)</td>
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<tr>
<td></td>
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<tr>
<td>UC (N = 26)</td>
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</tbody>
</table>

Note: NT = total number of students assessed; N = number of evaluated students by university; n = number of students with the same central ideas. Students can present more than one central idea, which can cause a sum of frequencies greater than 100%.
Physical incapacity evaluation, performance and physical therapy

Question 4: What are the items that should be addressed in a physical therapy assessment to determine the degree of physical disability in a leprosy patient? - 66.7% (18) of UB and 30.8% (8) of UC declared they did not know. 100% (15) of UA, 22.2% (6) of UB and 53.8% (14) of UC mentioned three to five basic items of a physical therapy assessment: inspection, palpation, goniometry, sensory evaluation and muscular strength.

Question 5: What services can a physiotherapist provide for a leprosy patient? - 59.3% (16) of UB students and 61.5% (16) of UC indicated they did not know; however, 53.3% (8) of UA indicated some aspects of professional performance: evaluation and prevention of deformities, health promotion, disease guidelines, treatment and reintegration of patients into society. The rest of the students mentioned treatment and rehabilitation items in general and insecure ways, demonstrating that they did not know the extent of actions and professional performance in the context of leprosy.

Question 6: What are the physiotherapeutic procedures that can be performed for a leprosy patient? - 85.2% (23) of UB students and 57.7% (15) of UC did not know how to respond. 60% (9) of UA, 7.4% (2) of UB and 19.2% (5) of UC mentioned at least four therapeutic approaches: exercises for muscle strengthening, range of motion improvement, stretching and sensory stimulation. Only UB (7.4%; 2) mentioned skin evaluations and ulcer care.

All students who failed to indicate the therapeutic approaches were insecure in responding, claiming that the topic was not addressed during the course.

Student perception - ability to care, leprosy teaching and learning interests

Question 7: Are you currently prepared to advise a patient with leprosy on how to prevent the physical disabilities resulting from neurological impairment? Why? - 53.3% (8) of UA students, 96.3% (26) of UB and 100% (26) of UC answered that they did not feel prepared due to insecurity, few or no contact with the patient, absence of theoretical and practical knowledge about the disease, lack of teaching on the course, lack of knowledge of physiotherapeutic practices for leprosy patients (Table 4).

Table 4: Collective discourses of physiotherapy students who do not feel prepared to counsel a leprosy patient regarding physical disabilities prevention, of three universities, Mato Grosso do Sul, 2014 (NT = 68).

<table>
<thead>
<tr>
<th></th>
<th>Central Idea</th>
<th>Collective Subject Discourse</th>
</tr>
</thead>
<tbody>
<tr>
<td>UA (N = 15)</td>
<td>I am not. I have few knowledge about the disease and few contact with leprosy patients (53.3%; n=8).</td>
<td>“Unfortunately, I am not. I have few knowledge about the disease. It is a pathology that requires a multidisciplinary attention, and during the course I had contact at the beginning of the course, I do not remember the correct treatment, it was not enough to treat a leprosy patient, I did not have contact with the disease and no guidelines about it”.</td>
</tr>
<tr>
<td>UB (N = 27)</td>
<td>I have no knowledge to guide, and the theme was not taught during the course (66.7%; n=18).</td>
<td>“I do not feel prepared to guide, because I do not know if I have enough knowledge, and I do not know what know is correct. I do not know the pathology. I need to study more about the disease, how physiotherapy can act and conducts to guide this patient. During the course, nothing was discussed about the subject, there was no class on leprosy and no contact with patient”.</td>
</tr>
<tr>
<td>UC (N = 26)</td>
<td>I am not, because I do not know the pathophysiology of the disease, the theme was not addressed during the course (69.2%; n=18).</td>
<td>“I do not feel prepared. For I have never had contact with a patient, nor did I receive prior knowledge about leprosy during university classes. There was no class or discussion on this subject. I do not know the pathophysiology of the disease, nor the evolution, prognosis and physical therapy. I am not ready yet”.</td>
</tr>
<tr>
<td></td>
<td>I am not (no explanation) (29.6%; n=8).</td>
<td>“I am not”</td>
</tr>
<tr>
<td></td>
<td>I am not (no explanation) (30.8%; n=8).</td>
<td>“I am not”</td>
</tr>
</tbody>
</table>

Note: NT = total number of students assessed; N = number of evaluated students by university; n = number of students with the same central ideas.
Question 8: Are you currently prepared to provide health education to the patient, the communicator and the general public about leprosy? If not, what do you need to feel prepared to give these guidelines? - Similarly, 66.7% (10) of UA, 100% (27) of UB and 100% (26) of UC reported not being prepared to provide guidance due to a lack of knowledge about the disease (Table 5).

Table 5: Collective discourses of physiotherapy students who do not feel prepared to provide health education to a leprosy patient, of three universities, Mato Grosso do Sul, 2014 (NT = 68).

<table>
<thead>
<tr>
<th>University</th>
<th>Central Idea</th>
<th>Collective Subject Discourse</th>
</tr>
</thead>
<tbody>
<tr>
<td>UA (N = 15)</td>
<td>I am not, because I do not know the disease (66.7%; n=10).</td>
<td>“I am not, because I need more knowledge about the disease and contact with patients. To guide the patient and the population in general I need to know more about the pathology and clarify doubts. I feel insecure about giving wrong information or use unappropriated words”.</td>
</tr>
<tr>
<td>UB (N = 27)</td>
<td>I am not, I do not have theoretical and practical knowledge about the disease, classroom approach to the treatment and performance of physiotherapy (100.0%; n=27).</td>
<td>“I do not feel prepared to guide. I need to know the pathology, its causes, prevention, treatments, how physiotherapy can act and conducts to guide this patient. I need more detailed knowledge about the subject, theoretical and practical, to give the guidelines correctly and safely. I did not have classroom approach, experiences and discussions about leprosy”.</td>
</tr>
<tr>
<td>UC (N = 26)</td>
<td>I am not. Lack of information about the disease, insertion of the theme in the curriculum, role of physical therapy in leprosy (100.0%; n=26).</td>
<td>“I am not ready because I do not have enough knowledge about the disease, I would need to study more to be confident in what to tell other people about leprosy. It is necessary to know the mechanisms involved in the disease, the main forms of prevention and care of patients, to know the pathophysiology, signs and symptoms, evaluation of the commitments and treatment. It is necessary the insertion of this subject in the curriculum, to understand the role of the physiotherapist in leprosy, and then to elaborate some action of health education and therapeutic intervention”.</td>
</tr>
</tbody>
</table>

Note: NT = total number of students assessed; N = number of evaluated students by university; n = number of students with the same central ideas.
Table 6: Main collective discourses of physiotherapy students on the teaching-learning process of leprosy, from three universities, Mato Grosso do Sul, 2014 (NT = 68).

<table>
<thead>
<tr>
<th>Central Idea Collective Subject Discourse</th>
</tr>
</thead>
<tbody>
<tr>
<td>UA (N = 15) Weak, shallow, just one class, missing physiotherapeutic conduits and goals (73.3%; n=11).</td>
</tr>
<tr>
<td>UB (N = 27) Precarious, the topic of leprosy was not addressed in the course, but it should be (63.0%; n=17).</td>
</tr>
<tr>
<td>UC (N = 26) Bad, flawed, insufficient, because the subject was not addressed in the classroom (92.3%; n=24).</td>
</tr>
</tbody>
</table>

Question 9: How do you evaluate the leprosy teaching-learning process in your course? Justify (consider what and how you learned).

- The three universities listed similar themes: physical therapy treatment and knowledge about multidisciplinary practice, pathophysiology, prevention, evaluation and treatment, physiotherapist performance, historical issues and breach of preconceptions, prevention programs and intervention projects about the disease and physiotherapy work with changes in post-leprosy sensitivity.

Table 7: Main topics related to leprosy that physiotherapy students would like to be addressed in the course, on three universities, Mato Grosso do Sul, 2014 (NT = 68).

<table>
<thead>
<tr>
<th>Question 10: What topics related to leprosy would you like to have approached in the classroom?</th>
</tr>
</thead>
<tbody>
<tr>
<td>UA (N = 15) Physiotherapeutic treatment (73.3%; n = 11).</td>
</tr>
<tr>
<td>UB (N = 27) Pathophysiology, prevention, evaluation and treatment (66.7%; n=18).</td>
</tr>
<tr>
<td>UC (N = 26) Pathophysiology, prevention, evaluation and physiotherapeutic treatment (73.1%; n=19).</td>
</tr>
</tbody>
</table>

Note: NT = total number of students assessed; N = number of evaluated students by university; n = number of students with the same central ideas. Students can present more than one central idea, which can cause a sum of frequencies greater than 100%.


DISCUSSION
Leprosy - conception of the disease, contact and reasons for preconception

Leprosy is a notifiable disease, endemic in Brazil and still considered a public health problem, with a correlation between the disease population and social condition. The later diagnosis and treatment, the more serious the treatment and after post-neural decompression surgery. The patient can also manifest feelings of sadness, worry, fear and isolation due to the possibility of suffering preconceptions and rejection in their social environment.

Despite health campaigns and government actions, society is unaware of the disease and carries erroneous beliefs, fear and preconception. The existence of free and efficient treatment, with easy administration and a high cure rate, is not enough to eliminate stigma regarding this disease. The absence of clarification is commonly observed among those who should guide the population. Professionals who have not had adequate education in their training feel insecure in terms of attending to or touching leprosy patients, favouring behaviours that reinforce the stigma and preconception.

It is imperative to discuss all aspects of the disease and to demystify leprosy among health professionals and students. This will allow them to feel safe and prepared to identify and diagnose the disease early, clarify doubts and reassure the patient about treatment and cure.

Therefore, it is essential to contact the patient and the professional practice during the course, to develop skills and competencies and to undo erroneous ideas existing among health professionals. The design of new health practices requires an assessment of the training of professionals, who must be able to perceive the multi-causality of morbid processes and to visualise the individual in their environment.

Physical incapacity valuation, performance and physiotherapy conducts

It is not possible to say that students know the physiotherapeutic approach to leprosy, since some physical evaluation items were cited, but they were not related to the leprosy patient. Added to this, almost 100% of the students did not feel prepared to advise a leprosy patient, to prevent physical incapacities and to describe physical therapy, due to a lack of knowledge and a lack of content in the curriculum.

It is essential to perform a Disability Grade Assessment and Simplified Neurological Assessment at diagnosis and then every three months during treatment, whenever there are complaints (pain, paraesthesia and muscular weakness), in cases of leprosy reactions, at the end treatment and after post-neural decompression surgery. The disability degree indicates a loss of protective sensitivity and/or visible deformities as a result of neural damage and/or blindness, and is an epidemiological indicator used to evaluate programs, to provide an early diagnosis (the presence of a deformity indicates a late diagnosis), and to compare disability grades at the beginning of treatment and after treatment cessation.

The Simplified Neurological Assessment checks the integrity of neural function, identifies neurites early, monitors responses to indicated treatment and determines the need for surgery. This involves a physical examination, with an inspection of the eyes, nose, neck, hands and feet, palpation of the peripheral nerves (ulnar, median, radial, common fibular and posterior tibial), performing a sensitive sensory threshold test on hands and feet and a manual test of muscle strength assessing movement and the capacity to oppose gravity and manual resistance, in each muscular group referring to a specific nerve.

Every health professional should be able to evaluate and identify any early dermatoneurological signs of leprosy, to guide and propose appropriate therapy and to avoid or minimise physical disabilities.

Physical evaluation and monitoring a patient’s clinical condition are essential for the preservation of nerve structure and function, identifying deficiencies and preventing future changes. The participation physiotherapy professionals in the clinical/functional diagnosis, treatment and discharge of the patient contributes to disability reduction, recovery of motor skills and avoids the progression of neural complications, all of which are essential for participation in a leprosy control program and in the professional team of a public health unit.

The physiotherapist has general professional training, directed to integral care of the patient, and is able to act at all levels of health care. Their work regarding leprosy consists of patient and general population orientation and communication, the prevention of new cases, providing a functional diagnosis, evaluation, treatment and rehabilitation of physical disabilities and social reintegration.

In the multidisciplinary team, after diagnosis, the physiotherapist classifies disability degree and monitors neural function, basing the therapeutic behaviours on information obtained in the neurological evaluation. The main approaches include conventional treatment with muscle strengthening and stretching exercises, passive or active mobilisation (assisted or not), proprioceptive neuromuscular facilitation (PNF); the neural mobilisation technique, electrothermophototherapeutic resources, hydration, lubrication and superficial massage of the skin, the development and adaptation of orthoses, splints and insoles as well as guidelines for self-care.

Physical therapy in leprosy strengthens muscles, decreases and prevents contractures, recovers and maintains joint mobility, maintains tone, integrity and elasticity of skin and prevents deformities. In ulcers, physiotherapy stimulates the healing process, and in cases of surgeries for neural decompression and tendon transfer, it acts in the pre- and postoperative period, controls inflammation, pain, oedema and muscle spasms, maintains functional independence in the activities of daily life and guides the patient toward new patterns of movement post-transfere.

The students who mentioned some type of physical therapy had the opportunity to experience contact with...
leprosy patients or related the treatment of other diseases with neuromuscular impairments and sensory and motor alterations that could be similar to leprosy. Therefore, it is necessary to teach leprosy and a directed approach on neurological physical and neurological evaluations, so that the future professional is capable of understanding and exercising its role as a transforming agent in health conditions.8,21,34,35

Learner perception - care, leprosy teaching and learning interests

Lack of knowledge of students and health professionals contribute directly to a late diagnosis, physical disabilities, situations of stigma and preconception and increase the number of infected individuals.8,34,35

These results demonstrated the need to approach leprosy in undergraduate physiotherapy courses, in order to train professionals to be able to contribute directly to the three levels of health care and to launch a new assessment at professional practices.8,21,34,35. Due to the impact that a well-trained and qualified professional has on leprosy patient care, it is important to emphasise a greater search for motivation and identification of their work in this area.

Physiotherapist actions in the control and elimination of leprosy are important, but poorly explored. It is fundamental to review the curriculum of undergraduate courses in order to contemplate leprosy in theory and practice systematically, focusing on a physiotherapist’s professional work, as well as encouraging students and teachers to discuss strategies and challenges in combating this disease.

REFERENCES


CONCLUSION

The assessment of physiotherapy students’ knowledge evidenced the absence of important knowledge to identify, evaluate, treat and guide the leprosy patient. Physiotherapist actions in the control and elimination of leprosy are important, but poorly explored. So, it is fundamental to review the curriculum of undergraduate courses in order to contemplate leprosy in theory and practice systematically, focusing on the physiotherapist’s professional work, as well as encouraging students and teachers to discuss strategies and challenges in combating the disease. Due to the impact that a well-trained and qualified professional has on leprosy patient care, it is important to emphasise a greater search for motivation and identification of their work.

It is essential to contact the patient and ensure best professional practice on physiotherapy courses, to develop skills and competencies and to undo erroneous ideas existing among health professionals. It is suggested that, in hospitals and centres specialised in leprosy, partnerships should be established with higher education institutions in order to provide the student with practical experience in the care of patients with leprosy, as well as to stimulate research and innovations in physiotherapeutetic activities.

Source(s) of support:
The research was funded by Coordination for the Improvement of Higher Education Personnel (CAPES).


Resumo

Introdução: Novos casos de hanseníase ocorrem devido a um conjunto de fatores associados à falta de conhecimento sobre a doença, tanto pelos profissionais de saúde quanto pelos pacientes, favorecendo o diagnóstico tardio, o desenvolvimento de incapacidades físicas e sociais, o estigma e o preconceito.

Objetivo: Verificar o conhecimento de estudantes concluintes do curso de fisioterapia sobre hanseníase e a prática profissional no cuidado ao paciente com a doença.

Metodologia: Realizou-se um estudo descritivo exploratório qualitativo com 68 estudantes de graduação dos cursos de fisioterapia de universidades públicas e privadas (UA, UB, UC), no Estado de Mato Grosso do Sul. Os dados foram coletados por meio de questionário com dez perguntas abertas sobre conhecimento, ação prática, motivações, interesses e processo de ensino-aprendizagem sobre a hanseníase. Para organizar e analisar os dados, utilizou-se a técnica do Discurso do Sujeito Coletivo.

Resultados: Encontrou-se que 60% dos estudantes de UA, 63% de UB e 30,8% de UC têm concepção geral sobre a doença. 46,7% dos estudantes da UA, 77,8% da UB e 80,9% da UC nunca tiveram contato com pacientes com hanseníase. Mais da metade dos estudantes das três universidades disseram não ter conhecimento das abordagens e práticas fisioterápicas em hanseníase. Quase 100% dos estudantes de UB e UC declararam que o assunto não foi abordado durante o curso e, portanto, não se sentiram preparados para fornecer educação em saúde e para orientar em como prevenir deficiências físicas resultantes da hanseníase. 73,3% dos estudantes da UA, 96,3% da UB e 100% da UC registraram avaliações negativas, qualificando o curso como precário, insuficiente e fraco na abordagem da hanseníase.

Conclusão: Conclui-se que a hanseníase deve ser incluída nos cursos de fisioterapia de forma sistemática, proporcionando atividades práticas de cuidado, desenvolvendo habilidades desde a prevenção até a reabilitação, buscando maior motivação e identificação de seu trabalho nessa área.

Palavras-chave: educação superior, aprendizagem, prática profissional, hanseníase, fisioterapia.