

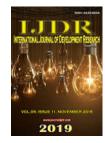
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ENTREPRENEURSHIP IN THE PHARMACEUTICAL SECTOR: A STUDY ABOUT THE ENTREPRENEUR PROFILE AMONG UNIVERSITY STUDENTS IN A PRIVATE HEI

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ABSTRACT

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Key Words: Entrepreneurship, Students. Drugstore.

**Corresponding author:* Stenio Fernando Pimentel Duarte This paper aims to characterize the entrepreneurial profile of students from the first to the tenth semester of the pharmacy course of a private HEI, in Vitória da Conquista. To this end, it sought to identify if the student has entrepreneurial behavioral characteristics (CCE's) that favor the entrepreneurial profile. The results show that students have the ten CCE's, and the opportunity-seeking feature obtained the highest score among students, but the other characteristics need to be improved during the pharmacy course. This is a descriptive cross-sectional research based on a quantitative approach.

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INTRODUCTION

The development of a country is based on entrepreneurship actions. Thus, the employment and income generation opportunities that arise with the opening of new companies characterize entrepreneurship as a socioeconomic phenomenon, in the fight against unemployment and economic growth (Toktamysov *et al.*, 2019). Micro and small businesses are

born from people who have entrepreneurial characteristics and behavior. And within the perspective that entrepreneurship refers to the economic development of the country, one of the sectors that has been growing is the pharmaceutical sector, which significantly drives Brazil's economy (Câmara; Andalécio, 2012). According to Pepin and ST-Jean (2019), based on the understanding that Higher Education Institutions (HEIs) play a fundamental role in the construction of knowledge for the development of entrepreneurial culture, the

need arises that academic education should be geared towards Encourage students greater autonomy, creativity and ability to lead, based on an entrepreneurial vision, through teaching programs, combining theory and practice to consolidate knowledge. The word entrepreneurship comes from the French word "entrepreneur" and means to accomplish, and the characteristics related to the entrepreneur are innovation, leadership, creativity, initiative, among others (Block et al, 2017). In this sense, entrepreneurship refers to the ability of the individual to present innovations based on results to be achieved. It takes attitude, an entrepreneurial attitude to develop ideas and put them into practice. Thus, the entrepreneurial entrepreneur starts from his own business to generate financial opportunities with responsibility and knowledge (Morales et al, 2016). Studies on entrepreneurial behavior were developed from psychologist David McClelland in 1972, with an emphasis on the creative ability and new business insight of people with the ability to take risks and new responsibilities through knowledge transformation. According to these studies, ten behavioral attitudes that characterize the entrepreneur were described, and are common to some people (Marion-Santos, 2013).

David McClelland constructed a way to identify and analyze entrepreneurial characteristics and their behavior through an evaluation method containing fifty-five statements for selfanalysis by the individual, an instrument also used by EMPRETEC - SEBRAE, to evaluate the entrepreneurial profile of entrepreneurs (Ribeiro; Moreira, 2017). The ten Entrepreneurial Behavioral Characteristics (CCE's) proposed by Maclland describe the main behaviors of individuals with the entrepreneurial profile, being divided into three sets, according to the theory of need for achievement, planning and power, proposed by the psychologist, as individuals develop from one of these levels of need (Krüger; Minello, 2019). In this sense, the research has as its problem: How is the entrepreneurial profile of the student of the pharmacy course of a private HEI, regarding the formation of enterprising pharmacists? The question raised refers to the hypothesis that the student of pharmacy has difficulties in developing his entrepreneurial potential during his academic formation. Thus, it is believed that a knowledge base on entrepreneurship would give the egress student greater security as a pharmaceutical professional. From this, another hypothesis to be considered is that the student of the pharmacy course presents a potential entrepreneur built during his academic formation. From these considerations, we can observe the validity of this study, since understanding the entrepreneurial profile of the pharmacy student allows us to know how their academic education takes place and contribute to the curricular improvement of the pharmacy grid, bringing the reflection on the role of a Higher Education Institution for the development of student entrepreneurship as future professionals in the pharmaceutical field, considering the importance of the entrepreneur for the economy and society, besides adding to the scientific knowledge. Thus, the overall objective of this studyIt is to characterize the entrepreneurial profile of students from the first to the tenth semester of the pharmacy course of a private HEI, in Vitória da Conquista.

METHODOLOGY

This study is characterized as a descriptive research to identify the entrepreneurial profile of students from the private

pharmacy course, specifically students from the first to the tenth semester. This is a cross-sectional research with a quantitative approach. The research was conducted in a Private Higher Education Institution, in the city of Vitória da Conquista, with the following geographic coordinates: Latitude: 14 ° 51 '53' 'South, Longitude: 40 ° 50' 13 " West. The city is recognized as an educational center and has a significant number of university students, according to the IBGE (Brazilian Institute of Geography and Statistics), belonging to both public and private schools. Data were collected at a two-month interval, using as an instrument of data collection an objective form, containing fifty-five questions, in which each statement has five possibilities of answers on the Likert scale: never (1), rarely (2), sometimes (3), usually (4) and always (5), based on McClland's entrepreneurial characteristics test (Minello et al., 2017), already validated in other studies. The forms were personally delivered to classrooms and students were invited to participate in the survey. 114 forms were completed by students from first to tenth semester. Data were tabulated and coded, and for analysis statistical tests were performed using the software "Statistical Package for the Social Sciences" -SPSS®, version 22, from which the minimum, mean and standard deviation values of each SCC were obtained.

RESULTS AND DISCUSSION

The studied population concerns students from the first to the tenth semester of the pharmacy course of a private Higher Education Institution, a total of 114 students, whose data were obtained through a form with objective questions, which allowed to reach the results presented in the tables and graph below. According to the table above, it is possible to verify in the profile of students from the first to the tenth semester of the pharmacy course of a private HEI a female prevalence (70%). Another aspect to note is that 65% of the total samples have family business, results obtained through a nonparametric comparison of the Mann-Whitney test, but only 26% intend to undertake their own business. Considering the total of the research participants, 40% have a family income of two to three minimum wages, and 51% intend to take a public exam after graduation in pharmacy, results obtained through a nonparametric analysis using the Kruskal test. -Wallis of independent samples. Regarding McClelland form analysis, each alternative can be scored a maximum of twenty-five points. If the result is equal to or greater than fifteen and less than or equal to twenty-five, the individual is characterized as an entrepreneur. Table 2 shows the description of the minimum and maximum values of the entrepreneurial behavioral characteristics of the sample studied during the research, comparing the most and least evident characteristics in the entrepreneurial profile of the students. When analyzing the set of needs, there is a higher score in the characteristics that make up the need for fulfillment, as seen in BOI, COM and EOE. In the characteristics that make up the need for power, as seen in PCR and AI, a low score is noted. Thus, it is observed that students develop well the characteristics search for new opportunities, commitment, demand for quality and efficiency of results, and take calculated risks. On the other hand, the power of persuasion, independence and selfconfidence are not evident, which need to be developed, as entrepreneurial characteristics are fundamental in the formation of an entrepreneur. These characteristics are directly related to the development of skills and competencies, which vary from person to person, but which can be improved

Table 1. Categories and Variables related to the entrepreneur profile

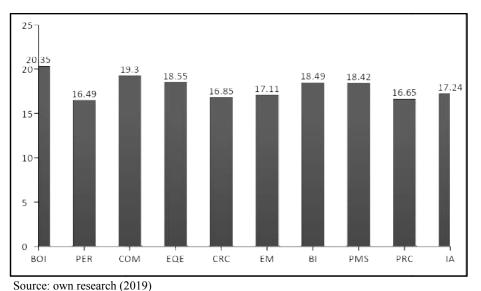
Category	Variable	Frequency		Catalan	Variable	Frequency	
			Absolute%	 Category 	variable		Absolute%
	Male	34	30		YES	74	65
Genre	Feminine	80	70	Family Business	NOT	40	35
		Free	quency	-		Frequ	iency
Category	Variable		Absolute%	Category	Variable	-	Absolute%
	One minimum wage	12	10	•••	Contest	58	51
Family	One to two minimum wages	34	30	Perspectives after	Undertake	26	23
income	Two to three minimum wages	45	40	college	Work in the private company	27	24
	More than four minimum wages	23	20	-	Other	3	2

Source: Adapted from Minello et al (2017)

Table 2. Relationship) between minimum	, maximum and	mean values of EBC's

Needs set	Entrepreneurial Features	Initials	Minimum	Maximum	Average	Standard deviation
	Opportunity Search	BOI	12.00	25.00	20.35	2.46742
	Persistence	PER	11.00	23.00	16.49	2.05347
Achievement	Commitment	COM	14.00	25.00	19.30	2.44271
	Quality and efficiency requirement	EQE	12.00	25.00	18.55	2.32376
	Take calculated risks	CRC	10.00	24.00	16.85	2.50972
	Setting goals	EM	11.00	22.00	17.11	2.23709
Planning	Search for information	BI	11.00	24.00	18.49	2.61461
	Systematic planning and monitoring	PMS	12.00	24.00	18.42	2.59985
	Persuasion and contact networks	PCR	10.00	24.00	16.65	2.34551
Power	ence and self confidence	IA	10.00	24.00	17.24	2.45512

Source: own research (2019)



Graphic 1. Average obtained from EBC's

through the entrepreneurship disciplines offered in the curriculum of an HEI pharmacy course. Thus, HEIs should be seen as disseminating bodies of the concept that entrepreneurship should be founded as the basis of academic knowledge, since teaching promotes the development of management skills through entrepreneurial learning (LEIVA et al, 2014). According to the average values of each CCE, the opportunity search feature (BOI) scored higher, and according to McClelland, this feature demonstrates an entrepreneur's skills in how to perform the tasks. tasks, meet new challenges and opportunities. The results presented in the graph indicate that students have the ten entrepreneurial behavioral characteristics, since the averages are in the range of fifteen to twenty-five, however, the characteristics PER (16.49), CRC (16.85), MS (17.11) and PRC (16.65) obtained averages close to the minimum limit defined by McClelland, and need to be better developed and improved during graduation. In this case, in relation to academic teaching, as Minello et al (2017) points out, "For the development of entrepreneurial characteristics to

become continuous and habitual, universities need to be committed and engaged" (MINELLO et al, 2017, p. 74). Garcia (2012) points out that one of the limitations for the expansion of entrepreneurship by students is the lack of alignment of theory and practice during academic education. Despite this statement, the author makes a comparison between academic and nonacademic entrepreneurs saying that academically-based entrepreneurs excel in business, with a greater ability to succeed successfully than professionals who do not have a knowledge base grounded on a HEI, as the student applies the knowledge acquired in the classroom when setting up a business of his own. With regard to the National Curriculum Guidelines for the undergraduate pharmacy course, the Ministry of Education, through Resolution No. 06 October 2017, says that pharmacist training should be directed towards humanistic, critical, reflective and generalist, and among the points to be considered is leadership, entrepreneurship, commitment, action management, which guide students in the acquisition of skills, abilities and attitudes for the development of an entrepreneurial professional (Brazil, 2017). In this sense, according to Sarturi *et al* (2013), the teaching of entrepreneurship in the pharmacy course contributes to the training of managers, with greater ability to manage their own businesses, awakening to opportunities and excelling in a very competitive field. It is the entrepreneur's responsibility to seek knowledge in various areas to improve their business strategies.

Final Considerations

According to the results obtained during the research, the students present the entrepreneurial characteristics in the set of needs more related to the accomplishment, since students that seek accomplishment behave in order to reach their objectives. The averages of the other characteristics that make up the planning and power needs sets indicate that students have entrepreneurial characteristics, but need to be improved during graduation through subjects offered by HEI with emphasis on teaching about entrepreneurship, as directed by the curriculum guidelines for the undergraduate degree in pharmacy. The current economic scenario in the country requires the action of innovative people who have an entrepreneurial profile capable of developing dynamic ideas that make a difference in a competitive business environment. From the entrepreneurial spirit, it will be possible to identify the opportunities and put the entrepreneurial ideas into practice in the most appropriate way, for this the HEIs have the role of developing or improving in pharmacy students skills that characterize this profile.

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