

**66 - ANALYSIS OF LATERALITY CRUSADE AND INFLUENCE ON THE DEVELOPMENT OF MOTOR STARTERS IN BASKETBALL IN IPATINGA MG SESI.**

DANILLA TEIXEIRA DE OLIVEIRA  
 VANDERLÉIA MARIA DE FARIA  
 MARILANE DE CÁSCIA SILVA SANTOS

Graduada em Educação Física – UNIPAC - MG  
 Ms. Ciências da Reabilitação – UNEC – MG, Prof. e coord. GEEL – UNIPAC –MG  
 Ms. Ciências da Motricidade Humana – UCB – RJ, Prof. e Coord. do curso de Educação Física UNIPAC - MG  
 danillapink@hotmail.com

**INTRODUCTION**

The Laterality is a dominance of biological order, i.e. natural brain hemispheres, which allows the individual to conduct various activities traction.

For several authors the laterality represents integrated body awareness, developed during the period key of the child. Being a human feature, where the brain hemispheric dominance is reflected in the functional structure of the central nervous system. The Laterality provides a bodily awareness and the notion of right and left, and the lateral dominance with more precision, speed and coordination are part of the maturation process of individual (PACHER, 2001).

The development of laterality has the participation of heritable and cultural factors that according to Fonseca (1983) apud Serafin et al (2000), can influence the adoption of a lateral dominance.

The Laterality may suffer negative influences, thus affecting the whole development process. The Laterality Crusade can be a consequence brought mainly by pressure exerted by the environment in which is inserted. May submit several symptoms such as: high fatigue, frequent crashes, attention unstable, among others, bringing losses in performance of certain modalities. Basketball as well as other methods assist the individual in its development, honing their skills, facilitating through various stimuli the neural maturation process, allowing the individual who determine its laterality this study aims to make a profile verification of basketball beginners as its lateral dominance and analyze individuals who possess the Laterality Crusade. The study is warranted through comments made at sessions of basketball, where some students right-handers showed greater precision in executing the grounds tray with the left hand. The study about the laterality, unable to understand that this is accomplished through the pressures exerted by external factors, namely, the child was born left-handed, but however was "forced" to adapt in a world organized for right-handers, this event is defined as Laterality crusade, because the individual is born with a potential to be ominous (left-handed), but that because of these pressures exerted on it just using the right hand. Because of that was the importance of analysing the profile of basketball beginners as its lateral dominance and verify that these students that have Laterality Crusade behave differently in Motor activities proposed. Sample consisting of 30 students basketball beginners mode, males, inserted in the program Unit's future Athlete SESI ipatinga MG, aged 10 to 14 years, completed in year 2009. Materials and methods for defining the Lateral Dominance was used protocol validated Negrine (1986), consisting of a battery of tests. Composed of nine activities, being three books, three pedals and three eyepieces, applied interchangeably as suggested by the author, not to promote gambling in students thereby undermining the credibility of the study. Ethical Care to ensure the integrity of the Group analyzed, is enshrined the secrecy regarding the identity of the same according to the law 196/96 to research with human beings. Results and discussion according to the test carried out with students entered in PR.

**SAMPLE**

Consisting of 30 students basketball beginners mode, males, inserted in the program Unit's future Athlete SESI ipatinga MG, aged 10 to 14 years, completed in year 2009.

**MATERIALS AND METHODS**

For defining the Lateral Dominance was used protocol validated Negrine (1986), consisting of a battery of tests. Composed of nine activities, being three books, three pedals and three eyepieces, applied interchangeably as suggested by the author, not to promote gambling in students thereby undermining the credibility of the study. Ethical Care to ensure the integrity of the Group analyzed, is enshrined the secrecy regarding the identity of the same according to the law 196/96 to research with human beings.

**RESULTS AND DISCUSSION**

According to the test carried out with students entered in future Athlete Program unit Sesi ipatinga MG, we got the following results.

Table 1-Verification of lateral dominance of students from Ipatinga MG SESI.

STUDENTS	HAND	FOOT	EYE
A	D	D	E
B	D	D	D
D	D	D	D
E	D	D	D
F	D	D	D
G	D	D	D
H	D	D	D
I	D	D	E
J	D	D	D
K	D	D	D
L	D	D	D
M	D	D	D
N	D	D	D
O	D	D	E
P	D	E	D
Q	D	D	D
R	E	E	D
S	E	E	E
T	D	D	D
U	D	D	E
V	D	D	D
X	D	D	D
Y	D	D	D
Z	D	D	D
Aa	D	E	E
Ab	D	D	D
Ac	E	E	E
Ad	D	E	E

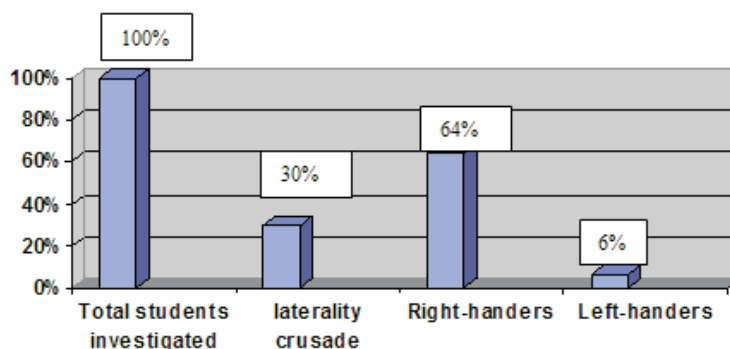
(Oliveira, Faria and Santos 2009) \* students who submitted Laterality Crusade.

It appeared from the Lateral Dominance test protocol Negrine (1986), that of 30 students assessed nine submitted the Laterality crusade, while other submitted the laterality homogeneous.

According to the results obtained in table 1 was observed a greater prevalence in the execution of activities during the test with your right hand, i.e. most individuals are right-handed. Reaffirming, only two individuals are left in all segments, on the implementation of activities, and nine are left in the eye. Difference is that can be related to the fact the thread hand be more encouraged than all the others, causing its lateralização this segment occurs primarily that of others (Faria, 2001).

Observed in this study still greater preference left side for the thread eye for other. Second Negrine (1986), the laterality may be determined by social factors and by family attempts to influence the children to use the right side of the body, which is more difficult in relation to the segment eye.

Graph 1: percentage of Classification as Lateral Dominance in beginners in basketball SESI Ipatinga MG.



According to the above graph, 30 students evaluated 30% of the sample present Laterality crusade, 64% are Right-handed and Left-handed 6%. The results found do not have relevance to affirm that students, even showing Laterality crusade, cease to develop their motor skills for the sport, as well as basketball leading to the development of skills conducive of this sport, which will assist in maturation and development body as a whole.

#### CONCLUSION

Through this study can be observed that it is vital that the individual has a broad perception of her own body. Being that it is a center of reference between lived and what is to come, and Laterality works as a guide of the body, because it is through her that the body is able to lie in the environment that is inserted. This study concludes that both students that present the Laterality crusade, right-handers and left-handers have motor skills necessary to basketball. This assessment can promote understanding of Laterality crusade, allowing the teacher of physical education and family to create opportunities for the child set of course your dominant side, without being influenced by preferences manuals.

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Danilla Teixeira de Oliveira  
Rua Jade 54 Iguçu Ipatinga MG  
Cep: 35162 000  
danillapink@hotmail.com

#### **ANALYSIS OF LATERALITY CRUSADE AND INFLUENCE ON THE DEVELOPMENT OF MOTOR STARTERS IN BASKETBALL IN IPATINGA MG SESI.**

##### **ABSTRACT**

This study was to analyse the profile of 30 students, beginners basketball as its lateral dominance. Where all individuals were males, ages 10 to 14 years and incorporated into future Athlete Program at SESI Unit in Ipatinga MG. Was used with the instrument Negrine Protocol (1986), composed of nine activities, three for each segment: hand, foot and eye. Results of 30 students were assessed: 30% present Laterality crusade, 64% are right-handed and left-handed 6%. Thus, both students that present the Laterality crusade, right-handers and left-handers have motor skills necessary to basketball.

**KEY WORDS:** Laterality, basketball, motor skills.

#### **ANALYSE DE LATÉRALITÉ CROISADE ET D'INFLUENCE SUR LE DÉVELOPPEMENT DES DÉMARREURS DE MOTEUR EN BASKET-BALL DANS IPATINGA MG SESI.**

##### **RÉSUMÉ**

Cette étude était d'analyser le profil de 30 étudiants, le basket-ball débutants comme sa domination latérale. Où tous les individus étaient des garçons, âgés de 10 à 14 ans et incorporées dans le futur programme d'athlètes au SESI à Ipatinga MG. a-t-elle été utilisée avec l'instrument Negrine Protocol (1986), composé de neuf activités, trois pour chaque segment : main, des pieds et des yeux. Résultats de 30 étudiants ont été évalués : 30 % présentent la croisade de latéralité, 64 % sont droitiers et gauchers 6 %. Ainsi, les deux étudiants qui présentent la croisade de latéralité, faire et left-handers ont des habiletés motrices nécessaires de basket-ball.

**MOTS CLÉS :** Latéralité, basket-ball, de la motricité.

#### **ANÁLISIS DE LA CRUZADA DE LA LATERALIDAD Y LA INFLUENCIA EN EL DESARROLLO DEL MOTOR ENTRANTES EN BALONCESTO EN IPATINGA MG SESI.**

##### **RESUMEN**

Este estudio fue analizar el perfil de 30 alumnos, baloncesto de principiantes como su dominio lateral. Donde todos los individuos varones, las edades de 10 a 14 años y incorporado en el futuro programa de atleta en unidad de SESI en Ipatinga MG. se utiliza con el instrumento Negrine de protocolo (1986), compuesto por nueve actividades, tres para cada segmento: mano, el pie y el ojo. Se evaluaron los resultados de 30 alumnos: 30% actualmente cruzada de lateralidad, 64% son diestros y zurdos de 6%. Así, ambos estudiantes que presentan la cruzada de lateralidad, diestros y zurdos tienen habilidades motoras necesarias al baloncesto.

**PALABRAS CLAVE:** Lateralidad, baloncesto, habilidades motoras.

#### **ANÁLISE DA LATERALIDADE CRUZADA E INFLUÊNCIA NO DESENVOLVIMENTO MOTOR EM INICIANTES DE BASQUETEBOL NO SESI EM IPATINGA - MG.**

##### **RESUMO**

O presente estudo teve como objetivo, analisar o perfil de 30 alunos, iniciantes de basquetebol quanto sua dominância lateral. Onde, todos os indivíduos eram do sexo masculino, com faixa etária de 10 a 14 anos e inseridos no Programa Atleta do Futuro na Unidade do Sesi em Ipatinga MG. Foi utilizado com instrumento o protocolo de Negrine (1986), composto por nove atividades, sendo três para cada segmento: mão, pé e olho. Os resultados encontrados dos 30 alunos avaliados, foram: 30% apresentam Lateralidade Cruzada, 64% são destros e 6% canhotos. Sendo assim, tanto os alunos que apresentam a Lateralidade Cruzada, os destros e os canhotos apresentam habilidades motoras necessárias ao basquetebol.

**PALAVRAS CHAVES:** Lateralidade, Basquetebol, Habilidades Motoras.