

10

Referências Bibliográficas

ABRAMOVICHTH S, MAIA MC, CHENIAUX E. Transtornos de déficit de atenção e do comportamento disruptivo: associação com abuso físico na infância. **Rev Psiq Clín.**; 35(4):159-64. 2008

AISA B, TORDERA R, LASHERAS B, DEL RIO J, RAMIRES MJ. Effects of maternal separation on hypothalamic-pituitary-adrenal responses, cognition and vulnerability to stress in adult female rats. **Neuroscience** 154 1218-1226. 2008.

AISA B, TORDERA R, LASHERAS B, DEL RIO J, RAMIREZ MJ. Cognitive impairment associated to HPA axis hyperactivity after maternal separation in rats. **Psychoneuroendocrinology**; 32:256-266. 2007.

ALMEIDA RMM, GIOVENARDI M, SILVA SP *ET AL*. Efeito sobre o comportamento materno agressivo de ratos da microinjeção do agonista seletivo de receptores 5-HT_{2a/2c} no núcleo central da amígdala e na área pré-óptica medial. **Rev. Bras. Psiquiatr.** vol.28, no.2, p.130-134. 2006.

AMARAL DG, BAUMAN MD, CAPITANIO JP, LAVENEX P, MASON WA, MAULDIN-JOURDAIN ML, MENDOZA SP The amygdala: is it an essential component of the neural network for social cognition? **Neuropsychologia**;41(4):517-22. 2003.

ANDERSON MC, OCHSNER KN, KUHL B, COOPER J, ROBERTSON E, GABRIELI SW, GLOVER GH, GABRIELI JDE. Neural Systems Underlying the Suppression of Unwanted Memories. **Science**. 303: 232-235; 2004.

ANDRADE VM, SANTOS FH, BUENO OFA. (orgs.). **Neuropsicologia Hoje**. Porto Alegre: Artes Médicas, 2004.

ANDREASEN NC. **Admirável cérebro novo**. Porto Alegre: ArtMed. 2005.

ATKINSON RL, ATKINSON RC, SMITH EC, BEM DJ. **Introdução à Psicologia**. Porto Alegre: Artes Médicas, 1995.

BAILEY KR, CRAWLEY JN Anxiety-Related Behaviors in Mice. In: Jerry J Buccafusco (Ed.). **Methods of Behavior Analysis in Neuroscience** - Frontiers in Neuroscience - 2nd edition. Boca Raton (FL): CRC Press, 2009.

BALE TL, BARAM TZ, BROWN AS, GOLDSTEIN JM, INSEL TR, MCCARTHY MM, NEMEROFF CB, REYES TM, SIMERLY RB, SUSSER ES, NESTLER EJ. Early life programming and neurodevelopmental disorders. **Biol Psychiatry**; 68(4):314-9. 2010

BANDEIRA M, DEL PRETTE ZAP, DEL PRETTE A. (orgs.). **Estudos sobre habilidades sociais e relacionamento interpessoal**. São Paulo: Casa do Psicólogo, 2006.

BARLOW DH. **Manual clínico dos transtornos psicológicos**. Porto Alegre: ArtMed; 1999.

BARTOLOMUCCI A, GIOIOSA L, CHIRIELEISON A, CERESINI G, PARMIGIANI S, PALANZA P. Cross fostering in mice: behavioral and physiological carry-over effects in adulthood. **Genes Brain Behav**. Apr;3(2):115-22. 2004.

BEANE ML, COLE MA, SPENCER RL, RUDY JW. Neonatal handling enhances contextual fear conditioning and alters corticosterone stress response in young rats. **Hormones and behaviour**; 41: 33-40. 2002.

BEAR MF (e cols.) **Neurociência - Desvendando o Sistema Nervoso**. Porto Alegre: Editora Artmed, 2002.

BECK JS. **Terapia cognitiva: teoria e prática**. Porto Alegre: Artes Médicas; 1997.

BEE H. **A criança em desenvolvimento**. Porto Alegre: Artes Médicas; 1996.

BENSON DF. **The neurology of thinking**. Oxford University Press, 1994.

BOGELS SM, BRECHMAN-TOUSSAINT ML. Family issues in child anxiety: attachment, family functioning, parental rearing and beliefs. **Clinical Psychology Review**; 26: 834-856. 2006.

BONOMI AE, CANNON EA, ANDERSON ML, RIVARA FP, THOMPSON RS. Association between self-reported health and physical and/or sexual abuse experienced before age 18. **Child Abuse & Neglect**; 32: 693-701. 2008.

BOWLBY J. **Apego – A natureza do vínculo**. São Paulo: Martins Fontes; 2002.

_____. Psicanálise e cuidados com a criança. In: **Formação e rompimento dos laços afetivos**. São Paulo: Martins Fontes; 1982/2006.

BRADLEY RG, BINDER EB, EPSTEIN MP, TANG Y, NAIR HP, LIU W, GILLESPIE CF, BERG T, EVCES M, NEWPORT DJ, STOWE ZN, HEIM CM, NEMEROFF CB, SCHWARTZ A, CUBELLS JF, RESSLER KJ. Influence of child abuse on adult depression: moderation by the

corticotropin-releasing hormone receptor gene. **Arch Gen Psychiatry**; 65(2):190-200. 2008.

Brandão ML. **As bases biológicas do comportamento: introdução à Neurociência**. São Paulo: EPU. 2004.

BRENDEL GR, STERN E, SILBERSWIEG DA. Defining the neurocircuitry of borderline personality disorder: Functional neuroimaging approaches. **Development and Psychopathology**; 17, 1197–1206. 2005.

BUCCHEIM A, ERK S, GEORGE C, KACHELE H, KIRCHER T, MARTIUS P, POKORNY D, RUCHSOW M, SPITZER M, WALTER H. Neural correlates of attachment trauma in borderline personality disorder: a functional magnetic resonance imaging study. **Psychiatry Research: Neuroimaging**; 163: 223-235. 2008.

BUCKNER RL, KELLEY WM, PETERSEN SE. Frontal cortex contributes to human memory formation. **Nature Neuroscience**; 2, 311 – 314, 1999.

CABALLO VE. **Manual de transtornos de personalidade: descrição, avaliação e tratamento**. São Paulo: Editora Santos; 2008.

CALDI C, FRANCIS D, SHARMA S, PLOTSKY PM, MEANEY MJ. The effects of early rearing environmental on the development os GABAa and central benzodiazepine receptor levels and novelty-induced fearfulness in the rat. **Neuropsychopharmacology**; 22(3): 219-229. 1999.

CAPOTE HA. Neuroimaging in Psychiatry. **Neurol Clin**; 27: 237–249. 2008.

CIRULLI F, BERRY A, BONSIGNORE LT, CAPONE F, DANDREA I, ALOE L, BRANCHI I, ALLEVA E. Early life influences on emotional reactivity. **Neuroscience and biobehavior reviews**; 34: 808-820. 2010.

COPLAN JD, ABDALLAH CG, KAUFMAN J, GELERNTER J, SMITH EL, PERERA TD, DWORK AJ, KAFFMAN A, GORMAN JM, ROSENBLUM LA, OWENS MJ, NEMEROFF CB. Early-life stress, corticotropin-releasing factor, and serotonin transporter gene: A pilot study. **Psychoneuroendocrinology**. 2010. [in press].

COWAN, A. **Stages Of Brain Development**. Disponível em <http://www.learningdiscoveries.com>. Acesso em Abril de 2009.

CRUZ APM, FREI F, GRAEFF FG. Ethopharmacological analysis of rat behavior on the elevated plus-maze. **Pharmacology Biochemistry and Behavior**; 49: 171-176. 1994.

CRUZ APM, ZAGROSSI H, GRAEFF FG, LANDEIRA-FERNANDEZ J. Modelos Animais de Ansiedade: Implicações Para a Seleção de Drogas Ansiolíticas. **Psicologia: Teoria e Pesquisa**.; 13 (3):269-278. Set-Dez 1997.

CURLEY JP, ROCK V, MOYNIHAN AM, BATESON P, KEVERNE EB, Champagne FA. Developmental shifts in the behavioral phenotypes of inbred mice: the role of postnatal and juvenile social experiences. **Behav Genet**.;40(2):220-32. 2010 Mar.

DA CUNHA C, WIETZIKOSKI S, WIETZIKOSKI EC, MIYOSHI E, FERRO MM, ANSELMO-FRANCI JA, CANTERAS NS. Evidence for the substantia nigra pars compacta as an essential component of a memory system independent of the hippocampal memory system. **Neurobiology of Learning and Memory** ; 79 (3): 236-242. 2003.

DALGLEISH T. The emotional brain. **Nature Reviews Neuroscience**; 5: 583-589. 2004.

DAMASIO AR, ADOLPHS R, TRANEL D. The human amygdala in social judgment. **Nature**; 393(6684):470-4. 1998 Jun 4.

DANCEY C, REIDY F. **Estatística sem matemática para psicologia – para SPSS**. Porto Alegre, ArtMed. 2008

DARWICH RA. Razão e emoção: uma leitura analítico-comportamental de avanços recentes nas neurociências. **Estud. psicol. (Natal)**; 10(2): 215-222. maio/ago. 2005.

DAVIDSON RJ, JACKSON DC, KALIN NH. Emotion, plasticity, context, and regulation : Perspectives from affective neuroscience. **Psychological bulletin**: 126 (6): 890-909. 2000.

DE BELLIS M. The psychobiology of neglect. **Child Maltreatment**; 10 (2): 150-172. 2005.

DENEMBERG V. Commentary: Is maternal stimulation the mediator of the handling effect on infancy? **Dev Psychobiol**; 34:1-3. 1999.

DIAMOND MC. Response of the brain to enrichment. **An. Acad. Bras. Cienc.**; 73 (2): 211-20. 2001.

DIAS GP, BEVILAQUIA MCN, SILVEIRA ACD, LANDEIRA-FERNANDEZ J, GARDINO PF. Behavioral profile and dorsal hippocampal cells in carioca high-conditioned freezing rats. **Behavioural Brain Research**; 205: 342-348. 2009.

DIAS GP. **Proliferação celular e caracterização comportamental e cognitiva num modelo animal de transtorno de ansiedade generalizada**. Dissertação de Mestrado. Instituto de Biofísica. UFRJ, Rio de Janeiro. 2009.

EDELMAN GM. **Biologia da consciência: as raízes do pensamento**. Lisboa: Instituto Piaget. 1995.

EISENBERG N. *Handbook of child psychology: vol. 3. Social, Emotional and Personality Development*. 6th edition; p. 226-299. New York: Wiley. 2006.

EISENBERGER NI, JARCHO JM, LIEBERMAN MD, NALIBOFF BD. An experimental study of shared sensitivity to physical pain and social rejection. **Pain.**;126(1-3):132-8. 2006.

EISENBERGER NI, LIEBERMAN MD, WILLIAMS KD. Does rejection hurt? An fMRI study of social exclusion. **Science**. 10;302(5643):290-2. 2003 Oct.

EISENBERGER NI, LIEBERMAN MD. Why rejection hurts: a common neural alarm system for physical and social pain. **Trends in Cognitive Sciences**; 8 (7): 294-300. 2004.

ELKIS ET AL. Neuroimagem estrutural e psicopatologia: sintomas positivos e negativos e dilatação ventricular na esquizofrenia. **Rev Bras Psiquiatr**;23(Supl I):19-23. 2001.

EPPEL AB. Uma visão psicobiológica da personalidade limítrofe. **Rev. psiquiatr. Rio Gd. Sul**; 27 (3): 262-268, set./dez. 2005.

ERKA S, KIEFERA M, GROTHEA JO, WUNDERLICHB AP, SPITZERA M, WALTER H. Emotional context modulates subsequent memory effect. **NeuroImage**: 18 (2): 439-447. 2003.

FERNALD LCH, KARIGER P, ENGLE P, RAIKES A. **Examining Early Child Development in Low-Income Countries: A Toolkit for the Assessment of Children in the First Five Years of Life**. (World Bank). 2009

FERRARI ET AL. Structural magnetic resonance imaging in anxiety disorders: an update of research findings. **Rev Bras Psiquiatr**; 30(3):251-64. 2008.

FONAGY P. Apegos patológicos y acción terapéutica. **Aperturas Psicoanalíticas**; 04. 2000.

FONAGY P. Persistências transgeracionais do apego: uma nova teoria. **Aperturas Psicoanalíticas**. 03; 1999.

FRANCIS D, DIORIO J, LIU D, MEANEY MJ. Nongenomic transmission across generations of maternal behavior and stress response in the rat. **Science**; 286:1155-1158. 1999.

FRANCIS DD, DIORIO J, PLOTSKY PM, MEANEY MJ. Environmental enrichment reverses the effects of maternal separation on stress reactivity. **The Journal of Neuroscience**; 22(18): 7840-7843. 2002.

FRANK J, LANDEIRA-FERNANDEZ J. Rememoração, subjetividade e as bases neurais da memória autobiográfica. **Psic Clin, Rio de Janeiro**, vol. 18, N. 1, p.35-47, 2006.

FREUD S. **Artigos sobre técnica – A dinâmica da transferência**. Edição Standard das Obras Psicológicas Completas de Sigmund Freud. Rio de Janeiro: Imago Editora. Volume XII. 1912/1990.

_____. **Análise terminável e interminável**. Edição Standard das Obras Psicológicas Completas de Sigmund Freud. Rio de Janeiro: Imago Editora. Volume XXIII. 1937/1990.

FURMARK T, TILLFORS M, MARTEINSDOTTIR I, FISCHER H, PISSIOTA A, LANGSTROM B, et al. Common changes in cerebral blood flow in patients with social phobia treated with citalopram or cognitive-behavioral therapy. **Arch Gen Psychiatry**;59:425-33. 2002.

GARTSIDE SE, JOHNSON DA, LEITCH MM, TROAKES C, INGRAM CD. Early life adversity programs changes in central 5-HT neuronal

function in adulthood. **European Journal of Neuroscience.**; 17(11):2401 – 2408. Published Online: 18 Jun 2003. 2001.

GATT JM, NEMEROFF CB, SCHOFIELD PR, PAUL RH, CLARK CR, GORDON E, WILLIAMS LM. Early Life Stress Combined with Serotonin 3A Receptor and Brain-Derived Neurotrophic Factor Valine 66 to Methionine Genotypes Impacts Emotional Brain and Arousal Correlates of Risk for Depression. **Biol Psychiatry**. 2010a Aug 20. [in press].

GATT JM, WILLIAMS LM, SCHOFIELD PR, DOBSON-STONE C, PAUL RH, GRIEVE SM, CLARK CR, GORDON E, NEMEROFF CB. Impact of the HTR3A gene with early life trauma on emotional brain networks and depressed mood. **Depress Anxiety**. Aug; 27(8):752-9. 2010b.

GIBB BE, CHELMINSKI I, ZIMMERMAN M. Childhood emotional, physical, and sexual abuse, and diagnoses of depressive and anxiety disorders in adult psychiatric outpatients. **Depression and anxiety**; 24:256-263. 2006.

GLEITMAN IL. **Psicologia**. Lisboa: Fundação Caboste Gülkenkian. 1993.

GOMES VC, LANDEIRA-FERNANDEZ J. Amygdaloid lesions produce similar contextual fear conditioning disruption in the Carioca high – and low-conditioned freezing rats. **Brain Research**; 1233: 137-145. 2008.

GOULD E. Serotonin and hippocampal neurogenesis. **Neuropsychopharmacology**; 21: 46S–51S. 1999.

GROSS C, HEN R. The developmental origins of anxiety. **Nature.**; 5:545-552. 2004.

GUNNAR MR, FISHER PA. Bringing basic research on early experience and stress neurobiology to bear on preventive interventions for neglected and maltreated children. **Dev Psychopathol.**;18(3):651-77. Summer 2006.

GUNNAR MR, QUEVEDO K. The neurobiology of stress and development. **Annu Rev Psychol.**;58:145-73. 2007.

GUNNAR MR. Integrating neuroscience and psychological approaches in the study of early experiences. **Ann N Y Acad Sci.**;1008:238-47. 2003 Dec.

GUYTON AC: **Neurociência Básica: anatomia e fisiologia**. Rio de Janeiro: Editora Guanabara, 1997.

HABEL U, WINDISCHBERGER C, DERNTL B, ROBINSON S, KRYSPIN-EXNER I, GUR RC, MOSER E. Amygdala activation and facial expressions: explicit emotion discrimination versus implicit emotion processing. **Neuropsychologia.**;45(10):2369-77. 2007 Jun 11.

HAMARTA E, DENIZ ME, SALTALI N. Attachment Styles as a Predictor of Emotional Intelligence. **Educational Sciences: Theory and Practice**; 9 (1): 213-229. 2009.

HANDLEY SL, MITHANI S. Effects of alpha-adrenoceptor agonists and antagonists in a maze-exploration model of 'fear'-motivated behaviour. **Naunyn Schmiedeberg's Arch Pharmacol**; 327, 1-5. 1984.

HARLOW H. The nature of love. **American Psychologist**; 13, 673-685. 1958.

HEIM C, NEMEROFF CB. The impact of early adverse experiences on brain systems involved in the pathophysiology of anxiety and affective disorders. **Biol Psychiatry**; 46(11):1509-22. 1999 Dec 1.

HEIM C, NEMEROFF CB. The role of childhood trauma in the neurobiology of mood and anxiety disorders: preclinical and clinical studies. **Biol Psychiatry**. 49; 1023-1039. 2001.

HEIM C, NEWPORT DJ, MLETZKO T, MILLER AH, NEMEROFF CB. The link between childhood trauma and depression: insights from HPA axis studies in humans. **Psychoneuroendocrinology**; 33: 693-710. 2008.

HEIM C, PLOTSKY PM, NEMEROFF CB. Importance of studying the contributions of early adverse experience to neurobiological findings in depression. **Neuropsychopharmacology**; 29: 641-648. 2004.

HEINRICHS M, GAAB J. Neuroendocrine mechanisms of stress and social interaction: implications for mental disorders. **Curr Opin Psychiatry**; 20(2):158-62. 2007 Mar.

HOLMES A, KINNEY JW, WRENN CC ET AL. Galanin GAL-R1 Receptor Null Mutant Mice Display Increased Anxiety-Like Behavior Specific to the Elevated Plus-Maze. **Neuropsychopharmacology**; 28: 1031-1044. 2003.

HUTTENLOCHER PR. Synaptogenesis, synapse elimination, and neural plasticity in human cortex. In: CA Nelson (ed.), **Threats to optimal development: The Minnesota Symposium on child psychology**. Vol. 27: 35-54. Hillsdale, NJ: Lawrence Erlbaum; 1994.

JESSEL TM, SANES JR. Development: the decade of the developing brain. **Current Opinion in Neurobiology**; 10:599-611. 2000.

JURUENA MF, MARQUES AH, MELLO AF, MELLO MF. A paradigm to understanding and treating psychiatric illness. **Rev Bras Psiquiatr**; 29 (Supl I):s1-2. 2007.

KANDEL ER. **Fundamentos de Neurociência do Comportamento**. Editora Guanabara. 2002.

KANDEL ER. The molecular biology of memory storage: a dialog between genes and synapses. **Nobel lecture. Bioscience Reports**; 21(5):565-611. 2002.

KAUFMAN J, PLOTSKY PM, NEMEROFF CB, CHARNEY DS. Effects of early adverse experiences on brain structure and function: clinical implications. **Biol Psychiatry**. 48; 778-790. 2000.

KENDLER KS, KUHN JW, PRESCOTT CA. Childhood sexual abuse, stressful life events and risk for major depression in women. **Psychol Med.**; 34 (8): 1475-82. 2004 Nov.

KIM JJ, RISON RA, FANSELOW MS. Effects of amygdala, hippocampus, and periaqueductal gray lesions on short- and long-term contextual fear. **Behavioral**; 107 (6): 1093-1098; 1993.

KIM SH, HAMANN S. Neural correlates of positive and negative emotion regulation. **J Cogn Neurosci.**; 19(5):776-98. 2007 May.

KOLB, WHISHAW. **Neurociência do Comportamento**. São Paulo: Editora Manole, 2002.

LADD C, HUOT RL, PLOTSKY PM. Differential neuroendocrine responses to chronic variable stress in adult Long Evans rats exposed to handling-maternal separation as neonates. **Psychoneuro-endocrinology**; 30: 520-533. 2000.

LANDEIRA-FERNANDEZ J, BRANDAO ML, ZANOVELI JM, RUIZ-MARTINEZ RC, OLIVEIRA LC. Different patterns of freezing behavior organized in the periaqueductal grays of rats: association with different types of anxiety. **Behavioural Brain Research**,; 188: 1-13. 2008.

LANDEIRA-FERNANDEZ J, CALLEGARO MM. Pesquisas em neurociência e suas implicações na prática psicoterápica. In: Cordioli A. V. (org.). **Psicoterapias: abordagens atuais**. p. 851-872. 2 ed... Porto Alegre: ArtMed. 2007.

LANDEIRA-FERNANDEZ J, CRUZ APM, BRANDÃO ML. Padrões de respostas defensivas de congelamento associado a diferentes transtornos de ansiedade. **Psicologia USP**; 17 (4): 175-192. , 2006.

LANDEIRA-FERNANDEZ J, CRUZ APM. A interpretação psicobiológica da clínica psicológica. Por que a terapia funciona? Por que os psicoterapeutas devem ter o direito de prescrever drogas psicotrópicas? **Cadernos de Psicologia**,; 9: 120-145. 1998a.

LANDEIRA-FERNANDEZ J, CRUZ APM. Da filosofia à neurobiologia: o que o psicólogo precisa saber sobre os efeitos da psicoterapia no sistema nervoso. **Temas em Psicologia (Ribeirão Preto)**, 1998b.

LANDEIRA-FERNANDEZ J, FRANK J. Rememoração, subjetividade e as bases neurais da memória autobiográfica. **Psic Clin, Rio de Janeiro**, vol. 18, N. 1, p.35-47, 2006.

LANDEIRA-FERNANDEZ J, OLIVEIRA LC, BROIZ AC, MACEDO CE, BRANDÃO ML. 5-HT₂ receptor mechanisms of the dorsal periaqueductal gray in conditioned and unconditioned fear in rats. **Psychopharmacology (Berl)**,; 191: 253-262. 2007.

LANDEIRA-FERNANDEZ J, SILVA MTA. (orgs.). **Intersecções entre psicologia e neurociências**. Rio de Janeiro: MedBook. 2007.

LANDGRAF R, WIGGER A. High vs low anxiety-related behavior rats: an animal model of extremes in trait anxiety. **Behav Genet.** Sep;32(5):301-14. 2002.

LEDOUX J. Emotion, Memory and the Brain: the neural routes underlying the formation of memories about primitive emotional experiences, such as fear, have been traced. **Scientific American**; -:32-39. June 1994.

_____. **O cérebro emocional: os misteriosos alicerces de nossa vida emocional**. Rio de Janeiro: Objetiva; 2001.

LEE JH, KIM HJ, KIM JG, RYU V, KIM BT, KANG DW, JAHNG JW. Depressive behaviors and decreased expression of serotonin reuptake transporter in rats that experienced neonatal maternal separation. **Neuroscience Research**; 58: 32-39. 2007.

LEHMANN J, FELDON J. Long-term biobehavioral effects of maternal separation in the rat: consistent or confusing? **Reviews in the Neurosciences**; 11:383-408; 2000.

LENT R. **Cem bilhões de neurônios: conceitos fundamentais de neurociência**. São Paulo: Ed. Atheneu; 2005.

_____. **Neurociência da mente e do comportamento**. Rio de Janeiro: Guanabara Koogan; 2008.

LEUNER B, GOULD E. Structural plasticity and hippocampal function. **Annu. Rev. Psychol.**; 61:111-40. 2010.

LEVINE S. Enduring effects of early experience on adult behavior. In: **Hormones, Brain and Behavior**. Edited by Donald W. Pfaff; Arthur P. Arnold; Anne E. Elgen; Susan E. Fahrbach; Robert T. Rubin. Amsterdam: Academic Press, pp.535-542. 2002.

LIEBSH G, LINTHORST ACE, NEUMANN ID, REUL JM, HOLSBOER F, LANDGRAF R. Behavioral, physiological and neuroendocrine stress response and differential sensitivity to diazepam in two wistar rat lines selectively bred for high- and low-anxiety-related behavior. **Neuropsychopharmacology**; 19(5):381-396. 1998.

LIPPMANN M, BRESS A, NEMEROFF CB, PLOTSKY PM, MONTEGGIA LM. Long-term behavioural and molecular alterations associated with maternal separation in rats. **Eur J Neurosci**; 25:3091–3098. 2007.

LIU et al. Maternal care, hippocampal synaptogenesis and cognitive development in rats. **Nature neuroscience**; 3 (8): 799-806. 2000.

LOCHNER C, DU TOIT PL, ZUNGU-DIRWAYI N, MARAIS A, VAN KRADENBURG J, SEEDAT S, NIEHAUS DJH, STEIN DJ. Childhood trauma in obsessive-compulsive disorder, trichotillomania, and controls. **Depression and anxiety**; 15:66-68. 2002.

LOOS H, SANT'ANA RS. Cognição, afeto e desenvolvimento humano: a emoção de viver e a razão de existir. **Educ. Rev.**; 30: 165-182. 2007.

LUPIEN SJ, MCEWEN BS, GUNNAR MR, HEIM C. Effects of stress throughout the lifespan on the brain, behaviour and cognition. **Nat Rev Neurosci**; 10(6):434-45. 2009 Jun.

LYONS DM, PARKER KJ, SCHATZBERG AF. Animal models of early life stress: implications for understanding resilience. **Dev Psychobiol**; 52: 402-410. 2010.

LYONS-RUTH K. La interfaz entre el apego y la intersubjetividad: perspectiva desde el estudio longitudinal de apego desorganizado. **Aperturas Psicoanalíticas**; 29. 2008.

LYRA CES. O que é metapsicologia científica?. **Rev. psiquiatr. Rio Gd. Sul**; 28 (3):322-329. set./dez. 2006.

MACDONALD G, LEARY MR. Why Does Social Exclusion Hurt? The Relationship Between Social and Physical Pain. **Psychological Bulletin**; 131 (2): 202-223. 2005.

MACHADO-VIEIRA R, BRESSAN RA, FREY B, SOARES JC. As bases neurobiológicas do transtorno bipolar. **Rev. Psiq. Clín.**; 32 (supl 1): 28-33. 2005.

MAIN M. Las categorías organizadas del apego en el infante, en el niño, y en el adulto; atención flexible versus inflexible bajo estrés relacionado con apego. **Aperturas Psicoanalíticas**; 08. 2001.

MARAIS L, VAN RENSBURG SJ, VAN ZYL JM, STEIN DJ, DANIELS WMU. Maternal separation of rat pups increases the risk of developing depressive-like behavior after subsequent chronic stress by altering corticosterone and neurotrophin levels in the hippocampus. **Neuroscience Research**; 61: 106-112. 2008.

MARTIN SJ, MORRIS RG. New life in an old idea: the synaptic plasticity and memory hypothesis revisited. **Hippocampus**; 12(5): 609-36. 2002.

MATLIN MW. **Psicologia Cognitiva**. Rio de Janeiro: Editora LTC – Livros Técnicos e Científicos, 2004.

MATSUO N, TANDA K et al. Comprehensive behavior phenotyping of ryanodine receptor type 3(RyR3) knockout mice: decreased social contact duration in two social interaction tests. **Frontiers in behavioral neuroscience**; 3:1-13. 2009.

MAYES LC, SWAIN JE, LECKMAN JF. Parental attachment systems: neural circuits, genes, and experiential contributions to parent engagement. **Clinica Neuroscience Research**; 4: 301-313. 2005.

MCINTOSH J, ANISMAN H, MERALI Z. Short- and long-periods of neonatal separation differentially affect anxiety and feeding on adult rats. **Developmental Brain Research**; 113: 97-106. 1999.

MCMULLIN RE. **Manual de técnicas em terapia cognitiva**. Porto Alegre: ArtMed, 2005.

MELLO AF, JURUENA MF, PARIANTE CM, TYRKA AR, PRICE LH, CARPENTER LL, DEL PORTO JA. Depression and stress: is there an endophenotype? **Rev Bras Psiquiatr**; 29 Suppl 1:S13-8. 2007 May.

MELLO CB, MIRANDA MC, MUSZKAT M. **Neuropsicologia do desenvolvimento**. São Paulo: Memnon; 2005.

MOREIRA, MS. **Psiconeuroimunologia**. Rio de Janeiro: Ed. Medsi; 2003.

MORGANE P, AUSTIN-LAFRANCE RJ, BRONZINO J, TONKISS J, DIAZ-CINTRA S, CINTRA L, KEMPER T, GALLER JR. Prenatal malnutrition and development of the brain. **Neurosci Biobehav Rev**;17:91-128. 1993.

NEIGH GN, GILLESPIE CF, NEMEROFF CB. The neurobiological toll of child abuse and neglect. **Trauma Violence Abuse**.;10(4):389-410. 2009 Oct.

NEMEROFF CB. Early-life adversity, CRF dysregulation, and vulnerability to mood and anxiety disorders. **Psychopharmacol Bull**; 38(Suppl 1):14–20. 2004.

NEMEROFF CB. Neurobiological consequences of childhood trauma. **J Clin Psychiatry**; 65(Suppl 1):18–28; 2003.

NEUMANN ID, WIGGER A, KRÖMER S, FRANK E, LANDGRAF R, BOSCH OJ. Differential effects of periodic maternal separation on adult stress coping in a rat model of extremes in trait anxiety. **Neuroscience**; 132: 867-877; 2005.

NEVES G, COOKE SF, BLISS TV. Synaptic plasticity, memory and the hippocampus: a neural network approach to causality. **Nat Rev Neurosci**.; 9(1):65-75. 2008 Jan.

NEVES LMMF. **Vinculação, episódios emocionais e compreensão emocional nas perturbações alimentares**. Tese de Doutorado em Psicologia. Universidade do Minho – Portugal. (2008). Disponível em <http://hdl.handle.net/1822/9031>. Acesso em Agosto de 2009.

NEWPORT DJ, STOWE ZN, NEMEROFF CB. Parental depression: animal models of an adverse life event. **Am J Psychiatry**; 159:1265-1283. 2002.

O'MAHONY SM, MARCHESI JR, SCULLY P, CODLING C, CEOLHO AM, QUIGLEY EM, CRYAN JF, DINAN TG. Early life stress alters behavior, immunity, and microbiota in rats: implications for irritable bowel syndrome and psychiatric illnesses. **Biol Psychiatry**; 65:263–267. 2009.

O'MALLEY D, DINAN TG, CRYAN JF. Neonatal maternal separation in the rat impacts on the stress responsivity of central corticotropin-releasing factor receptors in adulthood. **Psychopharmacology**. Publicado on line em 25/05/2010. Disponível em <http://www.springerlink.com/content/484n18127t545762/>. 2010.

O'MALLEY D, JULIO-PIEPER M, GIBNEY SM, DINAN TG, CRYAN JF. Distinct alterations in colonic morphology and physiology in two rat models of enhanced stress-induced anxiety- and depression-like behavior. **Stress**; 13:114–122. 2010.

OLIVA AD, DIAS GP, REIS RAM. Plasticidade sináptica: natureza e cultura moldando moldando o self. **Psicologia: Reflexão e Crítica**; 22(1): 128-135. 2009.

OLIVA AD, OTTA E, RIBEIRO FL *et al.* Razão, emoção e ação em cena: a mente humana sob um olhar evolucionista. **Psic.: Teor. e Pesq.**; 22 (1): 53-61. jan./abr. 2006.

OLIVEIRA LC, NOBRE MJ, BRANDÃO ML, LANDEIRA-FERNANDEZ J. Role of amygdala in conditioned and unconditioned fear generated in the periaqueductal gray. **Neuroreport**; 15(14):2281-5. 2004 Oct 5.

PAPALIA, DE; OLDS, SW. **Desenvolvimento Humano**. Porto Alegre: ArtMed; 2000.

PELLOW S, CHOPIN P, FILE SE, BRILEY M. Validation of open:closed arm entries in an elevated plus-maze as a measure of anxiety in the rat. **Neurosci Methods**; 14(3):149-67. 1985 Aug.

PENZA KM, HEIM C, NEMEROFF CB. Neurobiological effects of childhood abuse: implications for the pathophysiology of depression and anxiety. **Arch Women Ment Health**; 6: 15-22. 2003.

PERES JFP, NASELLO AG. Achados da neuroimagem em transtorno de estresse pós-traumático e suas implicações clínicas. **Rev. Psiq. Clín.** 32 (4); 189-201, 2005.

PERGER GK, GRASSI-OLIVEIRA R, ÁVILA LM *et al.* Memória, humor e emoção. **Rev. psiquiatr. Rio Gd. Sul**; 28 (1): 61-68. jan./abr. 2006.

PERRY BD. Incubated in terror: Neurodevelopmental factor in the 'cycle of violence'. In: **Children, Youth and Violence: The Search for Solutions** (J Osofsky, Ed.). Guilford Press, New York, pp. 124-148, 1997.

PHELPS EA. Human emotion and memory: interactions of the amygdala and hippocampal complex. **Curr Opin Neurobiol.** 2004 Apr;14(2):198-202.

PINEL JPJ. **Biopsicologia**. Porto Alegre: ArtMed; 2005.

PLOTSKY PM, MEANEY MJ. Early, postnatal experience alters hypothalamic corticotropin-releasing factor (CRF) mRNA, median eminence CRF content and stress-induced release in adult rats. **Brain Res. Mol. Brain Res**; 8: 195-200. .1993.

PLOTSKY PM, THRIVIKRAMAN KV, NEMEROFF CB, CALDJI C, SHARMA S, MEANEY MJ. Long-term consequences of neonatal rearing on central corticotropin-releasing factor systems in adult male rat offspring. **Neuropsychopharmacology**; 30(12):2192-204. 2005.

PRYCE CR, BETTSCHEN D, FELDON J. Comparison of the effect of early deprivation on maternal care in the rat. **Dev Psychobiol**; 38: 239-251. 2001.

QUEVEDO J, FEIER G, AGOSTINHO FR *et al.* Consolidação da memória e estresse pós-traumático. **Rev. Bras. Psiquiatr.**; 25 (supl.1):25-30. jun. 2003.

RANGÉ B. (org.). **Psicoterapia comportamental e cognitiva de transtornos psiquiátricos**. Campinas: Editorial Psy II. 1995.

_____. (org.). **Psicoterapia comportamental e cognitiva: pesquisa, prática, aplicações e problemas**. São Paulo: Editorial Psy II. 1998.

RAPOPORT JL, GOGTAY N. Brain neuroplasticity in healthy, hyperactive and psychotic children: insights from neuroimaging. **Neuropsychopharmacology**; 33:181-197. 2008.

RESSLER KJ, BRADLEY B, MERCER KB, DEVEAU TC, SMITH AK, GILLESPIE CF, NEMEROFF CB, CUBELLS JF, BINDER EB. Polymorphisms in CRHR1 and the serotonin transporter loci: gene x gene x environment interactions on depressive symptoms. **Am J Med Genet B Neuropsychiatr Genet.**;153B(3):812-24. 2010 Apr 5.

RICE F, HAROLD GT, BOIVIN J, VAN DEN BREE M, HAY DF, THAPAR A. The links between prenatal stress and offspring development and psychopathology: disentangling environmental and inherited influences. **Psychol Med.**;40(2):335-45. 2010 Feb.

RIUL TR, CARVALHO AF, ALMEIDA PS, DE-OLIVEIRA LM, ALMEIDA SS. Ethological analysis of mother-pup interactions and other behavioral reactions in rats: effects of malnutrition and tactile stimulation of the pups. **Brazilian Journal of Medical and Biological Research**; 32:975-983. 1999.

ROCINHOLI LF, LANDEIRA-FERNANDEZ J. Anxiety-like behavior in weanling and young adult male and female malnourished rats. **Physiology and behavior** 2010. [In press].

RODGERS RJ, JOHNSON NTJ. Factor analysis of spatiotemporal and ethological measures in the murine elevated plus-maze test of anxiety. **Pharmacology biochemistry and behavior**; 52(2):297-303. 1995.

ROY V, CHAPILLON P. Further evidence that risk assessment and object exploration behaviours are useful to evaluate emotional reactivity in rodents. **Behavioural Brain Research**; 154: 439-448. 2004.

ROZENEL V. Los Modelos Operativos Internos (IWM) dentro de la teoría del apego. **Aperturas Psicoanalíticas**; 23. 2006.

RUTTER M, MAUGHAN B. Psychosocial adversities in childhood and adult psychopathology; **Journal of personality disorders.**, vol. 11, no 1 (104 p.) (3 p.3/4), pp. 4-18. 1997.

SAKAI Y, KUMANO H, NISHIKAWA M, SAKANO Y, KAIYA H, IMABAYASHI E, et al. Changes in cerebral glucose utilization in patients with panic disorder treated with cognitive-behavioral therapy. **Neuroimage.**;33(1):218-26. 2006 Oct 15.

SANTANA SM, ROAZZI A, DIAS MGBB. Paradigmas do desenvolvimento cognitivo: uma breve retrospectiva. **Estud. psicol. (Natal)**, vol.11, no.1, p.71-78, jan./abr. 2006.

SCARPELLI G, ALVES SH, LANDEIRA-FERNANDEZ J, CRUZ APM. Effects of two selective 5-HT receptor-acting compounds into the ventral hippocampus of rats exposed to the elevated plus-maze. **Psychology and neuroscience**; 1(1): 87-96. 2008.

SCHECHTER DS, WILLHEIM E. Disturbances of attachment and parental psychopathology in early childhood. **Child Adolesc Psychiatric Clin N Am**; 18: 665-686. 2009.

SCHNELL K, HERPERTZ SC. Effects of dialectic-behavioral-therapy on the neural correlates of affective hyperarousal in borderline personality disorder. **J Psychiatr Res.**;41(10):837-47. 2007 Nov.

SERGERIE K, LEPAGE M, ARMONY JL. A process-specific functional dissociation of the amygdala in emotional memory. **J Cogn Neurosci.**; 18(8):1359-67. 2006 Aug.

SEYMOUR B, DOLAN R. Emotion, decision making, and the amygdala. **Neuron.**; 58(5):662-71. 2008 Jun 12.

SOMMER T, GLÄSCHER J, MORITZ S, BÜCHEL C. Emotional enhancement effect of memory: removing the influence of cognitive factors. **Learn Mem.** 15(8):569-73. 2008 Aug 6.

SOUSSUMI Y. Tentativa de integração entre algumas concepções básicas da psicanálise e da neurociência. **Psicol. clin**;18(1):63-82, 2006.

SPEAR LP. Neurobehavioral changes in adolescence. **Current Directions in Psychology Science.**; 9 (4): 111-114. 2000 Aug.

SPINHOVEN P, ELZINGA BM, HOVENS JGFM, ROELOFS K, ZITMAN FG, VAN OPPEN P, PENNINX BWJH. The specificity of childhood adversities and negative life events across the life span to anxiety and depressive disorders. **Journal of Affective Disorders.**; 126 (1-2): 103-112. 2010.

SPRINGER S P, DEUTSCH G. **Cérebro esquerdo, cérebro direito: perspectivas da neurociência cognitiva.** São Paulo: Editora Santos. 2008.

SROUFE LA, EGELAND B, KREUTZER T. The fate of early experience following developmental change: longitudinal approaches to individual adaptation in childhood. **Child Dev.**;61(5):1363-73. 1990 Oct.

STECKLER T, DAUTZENBERG FM. Corticotropin-releasing factor receptor antagonists in affective disorders and drug dependence—an update. **CNS Neurol Disord Drug Targets**; 5:147–165. 2006.

STERN D. **O mundo interpessoal do bebê.** Porto Alegre: ArtMed; 1992.

STERNBERG RJ. **Psicologia Cognitiva.** Porto Alegre: Artmed. 2008.

STEVENS JH, BAKEMAN R. A factor analytic study oh the HOME scale for infants. **Developmental Psychology.**; 21 (6): 1106-1203. 1985.

THOMPSON RF. **O cérebro – uma introdução a neurociência.** São Paulo: Editora Santos; 2005.

UCHIDA S, HARA K, KOBAYASHI A, OTSUKI K, HOBARA T, YAMAGATA H, WATANABE Y. Maternal and genetic factors in stress-resilient and -vulnerable rats: a cross-fostering study. **Brain Res.** Feb 26;1316:43-50. 2010.

VASCONCELLOS SJL, MACHADO SS. Construtivismo, psicologia experimental e neurociência. **Psicol. Clin**; 18 (1):83-94, 2006.

VASIC N. et al. Gray matter reduction associated with psychopathology and cognitive dysfunction in unipolar depression: A voxel-based morphometry study. **Journal of Affective Disorders**; 109:107–116. 2008.

VYTHILINGAM M, HEIM C, NEWPORT J, MILLER AH, ANDERSON E, BRONER R, BRUMMER M, STAIB L, VERMETTEN E, CHARNEY DS, NEMEROFF CB, BREMMER JD. Childhood trauma associated with smaller hippocampal volume in women with major depression. **Am J Psychiatry**; 159:2072-2080. 2002.

WIGGER A, NEUMANN ID. Periodic maternal deprivation induces gender-dependent alterations in behavioral and neuroendocrine responses to emotional stress in adult rats. **Physiol Behav** 66:293–302; 1999.

WINOGRAD M, COIMBRA CAQ, LANDEIRA-FERNANDEZ J. O que se traz para a vida e o que a vida nos traz: uma análise da equação etiológica proposta por Freud à luz das neurociências. **Psicologia: Reflexão e Crítica**, 20 (2), 414-424, 2007.

WINOGRAD M, SOLERO-DE-CAMPOS F, LANDEIRA-FERNANDEZ J. Resenha: um diálogo entre a psicanálise e a neurociência. **Psicologia: Teoria e Pesquisa**; 21 (1): -.2005.

YOUNG JE, KLOSKO JS, WEISHAAR ME. **Terapia do Esquema: guia de técnicas cognitivo-comportamentais inovadoras**. Porto Alegre: ArtMed; 2008.

YOUNG JE. **Terapia cognitiva para transtornos de personalidade: uma abordagem focada no esquema**. Porto Alegre: Artmed; 2003.

ANEXOS

Lista de Anexos:

Anexo 1 – Documento do Comitê de Ética em Pesquisa – PUC-Rio

Anexo 2 – Tabelas do SPSS

Anexo 1 – Documento do Comitê de Ética em Pesquisa – PUC-Rio



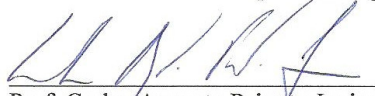
PSI.COMITÊ DE ÉTICA: 03/2010

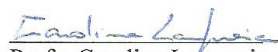
DECLARAÇÃO

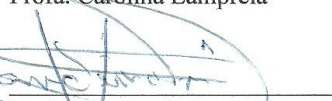
Declaramos, para os devidos fins, que o Projeto de Pesquisa de Mestrado desenvolvido pela aluna **Érica de Lana Meirelles**, sob a orientação do Prof. J. Landeira - Fernandez, intitulado *"Desenvolvimento e emocionalidade: o impacto das experiências emocionais iniciais no desenvolvimento de transtornos psicológicos"* foi aprovado pelo Comitê de Ética em Pesquisa do Departamento de Psicologia.

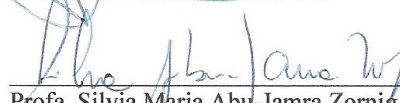
Rio de Janeiro, 16 de março de 2010.

Comitê de Ética em Pesquisa do Departamento de Psicologia


Prof. Carlos Augusto Peixoto Junior


Profa. Carolina Lampreia


Prof. Jesus Landeira Fernandez


Profa. Silvia Maria Abu-Jamra Zornig

Anexo 2 – Tabelas do SPSS

ANALISE DE MEDIAS – TODOS OS SUBGRUPOS – TODAS VD'S SESSAO INTEIRA

Report												
subgrupo		lat	ba	bf	total	PORC_BA	t_centro	t_ba	t_bf	PORC_T_BA	end_expl	PORC_END
c21	Mean	3,3333	3,0000	6,7500	9,7500	26,8517	54,4167	22,9167	2,2267 E2	7,6392	,3333	5,0100
	N	12	12	12	12	12	12	12	12	12	12	12
	Std. Error of Mean	1,15689	,76871	1,03078	1,69279	4,81239	9,77974	5,53290	1,26888 E1	1,84449	,14213	2,97737
c50	Mean	1,8750	3,5000	7,1250	10,6250	29,8888	29,1250	46,3750	2,2450 E2	15,4575	1,1250	15,0000
	N	8	8	8	8	8	8	8	8	8	8	8
	Std. Error of Mean	,58056	1,00000	,47949	1,33547	4,41509	3,88421	1,45393 E1	1,61963 E1	4,84683	,87500	10,00000
c70	Mean	4,3333	3,8889	6,6667	10,5556	35,3489	56,8889	58,3333	1,8444 E2	19,4456	2,7778	53,1489
	N	9	9	9	9	9	9	9	9	9	9	9
	Std. Error of Mean	1,92931	,87312	,64550	1,01531	5,02662	1,32575 E1	1,47158 E1	2,08141 E1	4,90569	1,25585	14,90318
ch21	Mean	4,5000	4,3000	9,3000	13,6000	29,4950	59,1000	31,1000	2,0980 E2	10,3660	,5000	6,5080
	N	10	10	10	10	10	10	10	10	10	10	10
	Std. Error of Mean	1,40831	,81718	,59722	1,11754	4,11842	6,98164	6,60547	9,47019	2,20200	,34157	4,60334
ch50	Mean	3,8750	6,5000	7,6250	14,1250	44,8175	49,3750	75,0000	1,6300 E2	25,0013	3,1250	43,2588
	N	8	8	8	8	8	8	8	8	8	8	8
	Std. Error of Mean	1,48128	,94491	,53243	1,28782	2,67543	8,13049	1,40166 E1	2,52445 E1	4,67200	1,17165	15,45555
ch70	Mean	4,6923	3,7692	7,6154	11,3846	30,4662	55,6154	53,7692	1,9062 E2	17,9223	1,7692	35,9285
	N	13	13	13	13	13	13	13	13	13	13	13
	Std. Error of Mean	1,72606	,77752	,43173	,85888	4,51900	5,14973	1,16757 E1	1,24115 E1	3,89171	,66172	11,03218
h21	Mean	7,5000	4,9000	8,2000	13,1000	36,0890	61,0000	56,0000	1,8300 E2	18,6660	,9000	14,4690
	N	10	10	10	10	10	10	10	10	10	10	10
	Std. Error of Mean	1,80278	,87496	,71181	1,01598	4,54539	7,86977	1,41429 E1	1,42150 E1	4,71418	,43333	6,20432
h50	Mean	3,3750	4,5000	9,2500	13,7500	29,4200	42,5000	79,8750	1,7762 E2	26,6250	3,1250	46,2312
	N	8	8	8	8	8	8	8	8	8	8	8
	Std. Error of Mean	1,13291	1,19523	,92099	1,76017	5,94725	5,00714	1,85236 E1	2,14501 E1	6,17444	1,25978	15,59465
h70	Mean	5,2143	3,9286	6,9286	10,8571	33,6407	57,5000	66,1429	1,7636 E2	22,0486	2,3571	37,5850
	N	14	14	14	14	14	14	14	14	14	14	14
	Std. Error of Mean	,72003	,75930	,45045	,74019	4,89323	6,89570	1,52592 E1	1,68414 E1	5,08601	,88707	10,37598
hms21	Mean	4,0909	4,0909	8,8182	12,9091	30,6300	44,2727	60,4545	1,9527 E2	20,1527	1,9091	39,0900
	N	11	11	11	11	11	11	11	11	11	11	11
	Std. Error of Mean	,66680	,77991	,94213	1,20947	4,45352	5,99559	1,05342 E1	7,65398	3,51122	,75624	11,18333
hms50	Mean	7,1250	4,0000	7,5000	11,5000	29,8725	48,5000	66,1250	1,8538 E2	22,0400	1,1250	20,0000
	N	8	8	8	8	8	8	8	8	8	8	8
	Std. Error of Mean	4,12500	1,06904	,77919	1,51186	6,36355	9,85248	1,77979 E1	2,22317 E1	5,93248	,44068	7,79194
hms70	Mean	5,9091	4,7273	8,0909	12,8182	36,8136	64,1818	77,4545	1,6018 E2	25,8182	2,5455	45,4800
	N	11	11	11	11	11	11	11	11	11	11	11
	Std. Error of Mean	1,42990	,61925	,74412	1,06871	3,10605	3,96076	8,75979	9,97526	2,91960	,75515	9,55083
ms21	Mean	2,0000	3,1667	7,7500	10,9167	27,5567	42,3333	28,6667	2,2900 E2	9,5542	,8333	23,2633
	N	12	12	12	12	12	12	12	12	12	12	12
	Std. Error of Mean	,57735	,58818	,88869	1,11095	4,84914	5,54914	5,59942	7,39574	1,86661	,42343	9,58765
ms50	Mean	1,7500	2,6250	7,6250	10,2500	24,9325	50,0000	39,8750	2,1013 E2	13,2900	,7500	19,1662
	N	8	8	8	8	8	8	8	8	8	8	8
	Std. Error of Mean	,90139	,56497	1,01660	1,19149	4,86650	9,74679	1,13160 E1	1,20866 E1	3,77199	,49099	12,37230
ms70	Mean	2,2500	5,0000	8,8333	13,8333	34,7017	58,5000	63,5833	1,7792 E2	21,1933	2,9167	47,0267
	N	12	12	12	12	12	12	12	12	12	12	12
	Std. Error of Mean	,71906	,82572	,79614	1,07895	4,82859	6,31197	1,12070 E1	1,43919 E1	3,73603	,77321	9,10854
Total	Mean	4,1429	4,0974	7,8571	11,9545	31,9718	52,2922	54,4026	1,9276 E2	18,1340	1,7338	30,2889
	N	154	154	154	154	154	154	154	154	154	154	154
	Std. Error of Mean	,38601	,21504	,19919	,31666	1,22666	1,95916	3,32222	4,05442	1,10741	,20144	2,82979

ANALISE DE MEDIAS – 5 GRUPOS – TODAS VD'S – SESSAO INTEIRA

Report

GRUPO		lat	ba	bf	total	PORC_BA	t_centro	t_ba	t_bf	PORC_T_BA	end_expl	PORC_END
C	Mean	3,2414	3,4138	6,8276	10,2414	30,3266	48,2069	40,3793	2,1131 E2	13,4600	1,3103	22,7055
	N	29	29	29	29	29	29	29	29	29	29	29
	Std. Error of Mean	,77627	,48757	,47620	,82846	2,79454	6,09639	6,86955	9,71073	2,29003	,48399	6,59671
CH	Mean	4,4194	4,6452	8,1613	12,8065	33,8565	55,1290	51,9355	1,8968 E2	17,3116	1,7097	28,3297
	N	31	31	31	31	31	31	31	31	31	31	31
	Std. Error of Mean	,90965	,51127	,32161	,62805	2,62615	3,68833	6,94339	9,13135	2,31445	,44768	6,68542
H	Mean	5,4687	4,3750	7,9062	12,2812	33,3506	54,8438	66,4062	1,7875 E2	22,1356	2,0937	32,5228
	N	32	32	32	32	32	32	32	32	32	32	32
	Std. Error of Mean	,73504	,51146	,40000	,64949	2,90953	4,11946	9,09901	9,82939	3,03286	,52433	6,49124
HMS	Mean	5,5667	4,3000	8,2000	12,5000	32,6953	52,7000	68,2000	1,7977 E2	22,7333	1,9333	36,3423
	N	30	30	30	30	30	30	30	30	30	30	30
	Std. Error of Mean	1,20886	,45016	,48042	,69934	2,58375	3,93749	6,78257	7,74473	2,26072	,40947	5,90436
MS	Mean	2,0312	3,7188	8,1250	11,8438	29,5800	50,3125	44,5625	2,0512 E2	14,8528	1,5937	31,1503
	N	32	32	32	32	32	32	32	32	32	32	32
	Std. Error of Mean	,40031	,43356	,50750	,69141	2,84768	4,04272	5,97693	7,69016	1,99242	,38849	6,07227
Total	Mean	4,1429	4,0974	7,8571	11,9545	31,9718	52,2922	54,4026	1,9276 E2	18,1340	1,7338	30,2889
	N	154	154	154	154	154	154	154	154	154	154	154
	Std. Error of Mean	,38601	,21504	,19919	,31666	1,22666	1,95916	3,32222	4,05442	1,10741	,20144	2,82979

ANALISE DE MEDIAS – 3 IDADES (21, 50 E 70 DIAS) – TODAS VD'S – SESSAO INTEIRA

Report

Idade		lat	ba	bf	total	PORC_BA	t_centro	t_ba	t_bf	PORC_T_BA	end_expl	PORC_END
21	Mean	4,1636	3,8364	8,1091	11,9455	29,9213	51,8000	39,1818	2,0902 E2	13,0604	,8909	17,8007
	N	55	55	55	55	55	55	55	55	55	55	55
	Std. Error of Mean	,55582	,34207	,39498	,58857	2,03476	3,37174	4,31411	5,09357	1,43806	,21189	3,72118
50	Mean	3,6000	4,2250	7,8250	12,0500	31,7862	43,9000	61,4500	1,9212 E2	20,4828	1,8500	28,7312
	N	40	40	40	40	40	40	40	40	40	40	40
	Std. Error of Mean	,93493	,46339	,34878	,65823	2,38912	3,50600	7,01947	9,19212	2,33986	,42146	5,74883
70	Mean	4,4915	4,2542	7,6441	11,8983	34,0092	58,4407	63,8136	1,7803 E2	21,2712	2,4407	42,9864
	N	59	59	59	59	59	59	59	59	59	59	59
	Std. Error of Mean	,59482	,34240	,28375	,43830	2,00635	3,07877	5,61686	6,64504	1,87225	,37317	4,76839
Total	Mean	4,1429	4,0974	7,8571	11,9545	31,9718	52,2922	54,4026	1,9276 E2	18,1340	1,7338	30,2889
	N	154	154	154	154	154	154	154	154	154	154	154
	Std. Error of Mean	,38601	,21504	,19919	,31666	1,22666	1,95916	3,32222	4,05442	1,10741	,20144	2,82979

ANALISE DE MEDIAS – MANIPULADOS X NÃO-MANIPULADOS – TODAS VD'S – SESSAO INTEIRA

Report

manip		lat	ba	bf	total	PORC_BA	t_centro	t_ba	t_bf	PORC_T_BA	end_expl	PORC_END
s	Mean	5,5161	4,3387	8,0484	12,3871	33,0335	53,8065	67,2742	1,7924 E2	22,4248	2,0161	34,3710
	N	62	62	62	62	62	62	62	62	62	62	62
	Std. Error of Mean	,69132	,33949	,30889	,47260	1,93852	2,83486	5,68433	6,25653	1,89468	,33284	4,37393
n	Mean	3,2174	3,9348	7,7283	11,6630	31,2563	51,2717	45,7283	2,0187 E2	15,2423	1,5435	27,5379
	N	92	92	92	92	92	92	92	92	92	92	92
	Std. Error of Mean	,42436	,27813	,26098	,42308	1,58846	2,67275	3,79636	5,12985	1,26550	,25133	3,69969
Total	Mean	4,1429	4,0974	7,8571	11,9545	31,9718	52,2922	54,4026	1,9276 E2	18,1340	1,7338	30,2889
	N	154	154	154	154	154	154	154	154	154	154	154
	Std. Error of Mean	,38601	,21504	,19919	,31666	1,22666	1,95916	3,32222	4,05442	1,10741	,20144	2,82979

ANALISE DE MEDIAS – SEPARADOS (POR 3H) X NÃO-SEPARADOS – TODAS VD'S – SESSAO INTEIRA

Report

sep_3h		lat	ba	bf	total	PORC_BA	t_centro	t_ba	t_bf	PORC_T_BA	end_expl	PORC_END
s	Mean	3,7419	4,0000	8,1613	12,1613	31,0874	51,4677	56,0000	1,9285 E2	18,6660	1,7581	33,6626
	N	62	62	62	62	62	62	62	62	62	62	62
	Std. Error of Mean	,65526	,31193	,34738	,48955	1,92417	2,80653	4,71594	5,65175	1,57200	,28041	4,21915
n	Mean	4,4130	4,1630	7,6522	11,8152	32,5678	52,8478	53,3261	1,9270 E2	17,7754	1,7174	28,0153
	N	92	92	92	92	92	92	92	92	92	92	92
	Std. Error of Mean	,47265	,29337	,23665	,41644	1,59766	2,68994	4,58086	5,64215	1,52694	,28049	3,78867
Total	Mean	4,1429	4,0974	7,8571	11,9545	31,9718	52,2922	54,4026	1,9276 E2	18,1340	1,7338	30,2889
	N	154	154	154	154	154	154	154	154	154	154	154
	Std. Error of Mean	,38601	,21504	,19919	,31666	1,22666	1,95916	3,32222	4,05442	1,10741	,20144	2,82979

TESTE T DE STUDENT – GRUPOS MANIPULADOS (H, HMS) X NÃO
MANIPULADOS (C, CH, MS)
TODAS AS VD'S – SESSÃO INTEIRA

Independent Samples Test									
	Levene's Test for Equality of Variances		t-test for Equality of Means						
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
lat								Lower	Upper
Equal variances assumed	1,883	,172	2,996	152	,003	2,29874	,76736	,78267	3,81481
Equal variances not assumed			2,834	105,583	,006	2,29874	,81117	,69044	3,90704
ba									
Equal variances assumed	,002	,967	,921	152	,359	,40393	,43869	-,46280	1,27065
Equal variances not assumed			,920	130,849	,359	,40393	,43887	-,46427	1,27213
brf									
Equal variances assumed	,026	,873	,787	152	,432	,32013	,40667	-,48332	1,12357
Equal variances not assumed			,792	133,552	,430	,32013	,40438	-,47969	1,11994
total									
Equal variances assumed	,133	,716	1,122	152	,264	,72405	,64515	-,55056	1,99867
Equal variances not assumed			1,141	138,376	,256	,72405	,63431	-,53013	1,97824
PORC_BA									
Equal variances assumed	,035	,853	,709	152	,479	1,77724	2,50530	-,317246	6,72695
Equal variances not assumed			,709	130,868	,480	1,77724	2,50620	-,318067	6,73516
t_centro									
Equal variances assumed	,698	,405	,633	152	,528	2,53471	4,00269	-,537337	10,44280
Equal variances not assumed			,651	142,283	,516	2,53471	3,89615	-,516711	10,23654
t_ba									
Equal variances assumed	3,561	,061	3,280	152	,001	21,54593	6,56794	8,56970	34,52217
Equal variances not assumed			3,152	112,544	,002	21,54593	6,83549	8,00300	35,08886
t_br									
Equal variances assumed	,027	,870	-,2797	152	,006	-,22,62763	8,08877	-,38,60857	-,6,46669
Equal variances not assumed			-,2797	130,922	,006	-,22,62763	8,09071	-,38,63307	-,6,62219
PORC_T_BA									
Equal variances assumed	3,558	,061	3,281	152	,001	7,18256	2,18930	2,85717	11,50794
Equal variances not assumed			3,152	112,552	,002	7,18256	2,27844	2,66835	11,69676
end_expl									
Equal variances assumed	,401	,527	1,152	152	,251	,47265	,41031	-,33799	1,28329
Equal variances not assumed			1,133	123,483	,259	,47265	,41707	-,35289	1,29819
PORC_END									
Equal variances assumed	,301	,584	1,186	152	,238	6,83303	5,76247	-,4,55185	18,21792
Equal variances not assumed			1,193	133,651	,235	6,83303	5,72878	-,4,49777	18,16384

TESTE T DE STUDENT – GRUPOS SEPARADOS POR 3H (MS, HMS) X NÃO
SEPARADOS (C, CH, H)
TODAS AS VD'S – SESSÃO INTEIRA

Independent Samples Test										
	Levene's Test for Equality of Variances			t-test for Equality of Means						
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference		
lat								Lower	Upper	
Equal variances assumed	,064	,801	-,852	152	,396	-,67111	,78781	-2,22758	,88536	
Equal variances not assumed			-,831	119,335	,408	-,67111	,80794	-2,27087	,92865	
ba										
Equal variances assumed	3,694	,056	-,371	152	,711	-,16304	,43972	-1,03179	,70570	
Equal variances not assumed			-,381	142,108	,704	-,16304	,42822	-1,00954	,68346	
bf										
Equal variances assumed	5,458	,021	1,256	152	,211	,50912	,40540	-,29182	1,31006	
Equal variances not assumed			1,211	114,262	,228	,50912	,42033	-,32354	1,34177	
total										
Equal variances assumed	,026	,871	,535	152	,594	,34607	,64721	-,93261	1,62476	
Equal variances not assumed			,538	134,139	,591	,34607	,64271	-,92508	1,61723	
PORC_BA										
Equal variances assumed	,048	,827	-,591	152	,556	-,148041	2,50657	-6,43262	3,47181	
Equal variances not assumed			-,592	132,035	,555	-,148041	2,50099	-6,42760	3,46678	
t_centro										
Equal variances assumed	1,116	,292	-,344	152	,731	-,138008	4,00640	-9,29551	6,53534	
Equal variances not assumed			-,355	143,420	,723	-,138008	3,88747	-9,06422	6,30405	
t_ba										
Equal variances assumed	,946	,332	,394	152	,694	2,67391	6,79300	-10,74698	16,09481	
Equal variances not assumed			,407	144,302	,695	2,67391	6,57452	-10,32089	15,66872	
t_bf										
Equal variances assumed	1,613	,206	,019	152	,985	,15919	8,29437	-16,22795	16,54632	
Equal variances not assumed			,020	145,981	,984	,15919	7,98600	-15,62393	15,94230	
PORC_T_BA										
Equal variances assumed	,946	,332	,393	152	,695	,89053	2,26434	-3,58310	5,36417	
Equal variances not assumed			,406	144,301	,685	,89053	2,19152	-3,44109	5,22216	
end_expl										
Equal variances assumed	1,446	,231	,099	152	,922	,04067	,41208	-,77347	,85482	
Equal variances not assumed			,103	146,096	,918	,04067	,39661	-,74317	,82451	
PORC_END										
Equal variances assumed	,879	,350	,979	152	,329	5,64725	5,77092	-5,75431	17,04882	
Equal variances not assumed			,996	138,620	,321	5,64725	5,67056	-5,56472	16,85923	

**ANOVA (ONEWAY) – GRUPOS (C, CH, H, HMS, MS) – TODAS AS VD'S –
SESSÃO INTEIRA (5 minutos)**

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
lat	Between Groups	285,694	4	71,424	3,300	,013
	Within Groups	3225,163	149	21,645		
	Total	3510,857	153			
ba	Between Groups	31,139	4	7,785	1,096	,361
	Within Groups	1058,400	149	7,103		
	Total	1089,539	153			
bf	Between Groups	39,507	4	9,877	1,644	,166
	Within Groups	895,350	149	6,009		
	Total	934,857	153			
total	Between Groups	120,345	4	30,086	1,999	,098
	Within Groups	2242,337	149	15,049		
	Total	2362,682	153			
PORC_BA	Between Groups	448,212	4	112,053	,477	,753
	Within Groups	35005,172	149	234,934		
	Total	35453,384	153			
t_centro	Between Groups	1072,214	4	268,054	,447	,775
	Within Groups	89365,636	149	599,769		
	Total	90437,851	153			
t_ba	Between Groups	19311,947	4	4827,987	2,988	,021
	Within Groups	240745,092	149	1615,739		
	Total	260057,039	153			
t_bf	Between Groups	26512,263	4	6628,066	2,737	,031
	Within Groups	360807,848	149	2421,529		
	Total	387320,110	153			
PORC_T_BA	Between Groups	2146,058	4	536,515	2,989	,021
	Within Groups	26749,159	149	179,525		
	Total	28895,217	153			
end_expl	Between Groups	11,186	4	2,797	,441	,779
	Within Groups	944,898	149	6,342		
	Total	956,084	153			
PORC_END	Between Groups	3069,477	4	767,369	,616	,652
	Within Groups	185607,718	149	1245,689		
	Total	188677,195	153			

ANOVA (ONEWAY) – IDADES (Avaliação no EPM: 21, 50 e 70 dias) – TODAS
AS VD'S – SESSÃO INTEIRA (5 minutos)

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
lat	Between Groups	18,984	2	9,492	,410	,664
	Within Groups	3491,873	151	23,125		
	Total	3510,857	153			
ba	Between Groups	5,850	2	2,925	,408	,666
	Within Groups	1083,689	151	7,177		
	Total	1089,539	153			
bf	Between Groups	6,211	2	3,106	,505	,605
	Within Groups	928,646	151	6,150		
	Total	934,857	153			
total	Between Groups	,556	2	,278	,018	,982
	Within Groups	2362,126	151	15,643		
	Total	2362,682	153			
PORC_BA	Between Groups	477,531	2	238,766	1,031	,359
	Within Groups	34975,853	151	231,628		
	Total	35453,384	153			
t_centro	Between Groups	5060,908	2	2530,454	4,475	,013
	Within Groups	85376,942	151	565,410		
	Total	90437,851	153			
t_ba	Between Groups	19954,008	2	9977,004	6,275	,002
	Within Groups	240103,031	151	1590,086		
	Total	260057,039	153			
t_bf	Between Groups	27348,821	2	13674,411	5,736	,004
	Within Groups	359971,289	151	2383,916		
	Total	387320,110	153			
PORC_T_BA	Between Groups	2217,138	2	1108,569	6,275	,002
	Within Groups	26678,080	151	176,676		
	Total	28895,217	153			
end_expl	Between Groups	69,097	2	34,548	5,881	,003
	Within Groups	886,988	151	5,874		
	Total	956,084	153			
PORC_END	Between Groups	18186,971	2	9093,485	8,054	,000
	Within Groups	170490,224	151	1129,074		
	Total	188677,195	153			

ANALISE DE MEDIAS – GRUPOS: 21 dias – TODAS VD’S – SESSAO INTEIRA
(Comparando C21 CH 21 H 21 HMS21 e MS21)

Report

GRUPO		LAT	BA	BF	TOTAL	PORC_BA	CENTRO	T_BA	T_BF	PORC_T_BA	END_EXPL	PORC_END
C21	Mean	3,3333	3,0000	6,7500	9,7500	26,8517	54,4167	22,9167	2,2267 E2	7,6392	,3333	5,0100
	N	12	12	12	12	12	12	12	12	12	12	12
	Std. Error of Mean	1,15689	,76871	1,03078	1,69279	4,81239	9,77974	5,53290	1,26888 E1	1,84449	,14213	2,97737
CH21	Mean	4,5000	4,3000	9,3000	13,6000	29,4950	59,1000	31,1000	2,0980 E2	10,3660	,5000	6,5080
	N	10	10	10	10	10	10	10	10	10	10	10
	Std. Error of Mean	1,40831	,81718	,59722	1,11754	4,11842	6,98164	6,60547	9,47019	2,20200	,34157	4,60334
H21	Mean	7,5000	4,9000	8,2000	13,1000	36,0890	61,0000	56,0000	1,8300 E2	18,6660	,9000	14,4690
	N	10	10	10	10	10	10	10	10	10	10	10
	Std. Error of Mean	1,80278	,87496	,71181	1,01598	4,54539	7,86977	1,41429 E1	1,42150 E1	4,71418	,43333	6,20432
HMS21	Mean	4,0909	4,0909	8,8182	12,9091	30,6300	44,2727	60,4545	1,9527 E2	20,1527	1,9091	39,0900
	N	11	11	11	11	11	11	11	11	11	11	11
	Std. Error of Mean	,86680	,77991	,94213	1,20947	4,45352	5,99559	1,05342 E1	7,65398	3,51122	,75624	11,18333
MS21	Mean	2,0000	3,1667	7,7500	10,9167	27,5567	42,3333	28,6667	2,2900 E2	9,5542	,8333	23,2633
	N	12	12	12	12	12	12	12	12	12	12	12
	Std. Error of Mean	,57735	,58818	,88869	1,11095	4,84914	5,54914	5,59942	7,39574	1,86661	,42343	9,58765
Total	Mean	4,1636	3,8364	8,1091	11,9455	29,9213	51,8000	39,1818	2,0902 E2	13,0604	,8909	17,8007
	N	55	55	55	55	55	55	55	55	55	55	55
	Std. Error of Mean	,55582	,34207	,39498	,58857	2,03476	3,37174	4,31411	5,09357	1,43806	,21189	3,72118

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
LAT	Between Groups	176,952	4	44,238	2,987	,027
	Within Groups	740,576	50	14,812		
	Total	917,527	54			
BA	Between Groups	27,952	4	6,988	1,093	,370
	Within Groups	319,576	50	6,392		
	Total	347,527	54			
BF	Between Groups	43,509	4	10,877	1,295	,285
	Within Groups	419,836	50	8,397		
	Total	463,345	54			
TOTAL	Between Groups	121,461	4	30,365	1,673	,171
	Within Groups	907,376	50	18,148		
	Total	1028,836	54			
PORC_BA	Between Groups	567,917	4	141,979	,605	,661
	Within Groups	11728,565	50	234,571		
	Total	12296,482	54			
CENTRO	Between Groups	3160,135	4	790,034	1,291	,286
	Within Groups	30604,665	50	612,093		
	Total	33764,800	54			
T_BA	Between Groups	12960,971	4	3240,243	3,829	,009
	Within Groups	42315,211	50	846,304		
	Total	55276,182	54			
T_BF	Between Groups	15880,533	4	3970,133	3,245	,019
	Within Groups	61174,448	50	1223,489		
	Total	77054,982	54			
PORC_T_BA	Between Groups	1440,339	4	360,085	3,829	,009
	Within Groups	4701,668	50	94,033		
	Total	6142,007	54			
END_EXPL	Between Groups	16,703	4	4,176	1,790	,146
	Within Groups	116,642	50	2,333		
	Total	133,345	54			
PORC_END	Between Groups	8693,139	4	2173,285	3,350	,017
	Within Groups	32432,921	50	648,658		
	Total	41126,060	54			

ANALISE DE MEDIAS – GRUPOS: 50 dias – TODAS VD’S – SESSAO INTEIRA
(Comparando C50 CH50 H50 HMS50 MS50)

Report

GRUPO		LAT	BA	BF	TOTAL	PORC_BA	CENTRO	T_BA	T_BF	PORC_T_BA	END_EXP	PORC_END
C50	Mean	1,8750	3,5000	7,1250	10,6250	29,8887	29,1250	46,3750	2,2450 E2	15,4575	1,1250	15,0000
	N	8	8	8	8	8	8	8	8	8	8	8
	Std. Error of Mean	,58056	1,00000	,47949	1,33547	4,41509	3,88421	1,45393 E1	1,61963 E1	4,84683	,87500	10,00000
CH50	Mean	3,8750	6,5000	7,6250	14,1250	44,8175	49,3750	75,0000	1,6300 E2	25,0012	3,1250	43,2588
	N	8	8	8	8	8	8	8	8	8	8	8
	Std. Error of Mean	1,48128	,94491	,53243	1,28782	2,67543	8,13049	1,40166 E1	2,52445 E1	4,67200	1,17165	15,45555
H50	Mean	3,3750	4,5000	9,2500	13,7500	29,4200	42,5000	79,8750	1,7762 E2	26,6250	3,1250	46,2312
	N	8	8	8	8	8	8	8	8	8	8	8
	Std. Error of Mean	1,13291	1,19523	,92099	1,76017	5,94725	5,00714	1,85236 E1	2,14501 E1	6,17444	1,25978	15,59465
HMS50	Mean	7,1250	4,0000	7,5000	11,5000	29,8725	48,5000	66,1250	1,8538 E2	22,0400	1,1250	20,0000
	N	8	8	8	8	8	8	8	8	8	8	8
	Std. Error of Mean	4,12500	1,06904	,77919	1,51186	6,36355	9,85248	1,77979 E1	2,22317 E1	5,93248	,44068	7,79194
MS50	Mean	1,7500	2,6250	7,6250	10,2500	24,9325	50,0000	39,8750	2,1013 E2	13,2900	,7500	19,1662
	N	8	8	8	8	8	8	8	8	8	8	8
	Std. Error of Mean	,90139	,56497	1,01660	1,19149	4,86650	9,74679	1,13160 E1	1,20866 E1	3,77199	,49099	12,37230
Total	Mean	3,6000	4,2250	7,8250	12,0500	31,7862	43,9000	61,4500	1,9213 E2	20,4828	1,8500	28,7313
	N	40	40	40	40	40	40	40	40	40	40	40
	Std. Error of Mean	,93493	,46339	,34878	,65823	2,38912	3,50600	7,01947	9,19212	2,33986	,42146	5,74883

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
LAT	Between Groups	151,600	4	37,900	1,094	,374
	Within Groups	1212,000	35	34,629		
	Total	1363,600	39			
BA	Between Groups	67,100	4	16,775	2,192	,090
	Within Groups	267,875	35	7,654		
	Total	334,975	39			
BF	Between Groups	21,650	4	5,413	1,127	,360
	Within Groups	168,125	35	4,804		
	Total	189,775	39			
TOTAL	Between Groups	102,150	4	25,537	1,558	,207
	Within Groups	573,750	35	16,393		
	Total	675,900	39			
PORC_BA	Between Groups	1837,196	4	459,299	2,275	,081
	Within Groups	7067,107	35	201,917		
	Total	8904,302	39			
CENTRO	Between Groups	2468,850	4	617,213	1,293	,292
	Within Groups	16706,750	35	477,336		
	Total	19175,600	39			
T_BA	Between Groups	9901,400	4	2475,350	1,294	,291
	Within Groups	66964,500	35	1913,271		
	Total	76865,900	39			
T_BF	Between Groups	19809,750	4	4952,438	1,548	,210
	Within Groups	112002,625	35	3200,075		
	Total	131812,375	39			
PORC_T_BA	Between Groups	1100,463	4	275,116	1,294	,291
	Within Groups	7440,455	35	212,584		
	Total	8540,918	39			
END_EXP	Between Groups	44,100	4	11,025	1,656	,182
	Within Groups	233,000	35	6,657		
	Total	277,100	39			
PORC_END	Between Groups	6988,555	4	1747,139	1,372	,264
	Within Groups	44567,878	35	1273,368		
	Total	51556,433	39			

ANALISE DE MEDIAS – GRUPOS: 70 ($\pm$ 1) dias – TODAS VD’S – SESSAO INTEIRA
(Comparando C70 CH70 H70 HMS70 MS70)

Report

GRUPO		LAT	BA	BF	TOTAL	PORC_BA	CENTRO	T_BA	T_BF	PORC_T_BA	END_EXPL	PORC_END
C70	Mean	4,3333	3,8889	6,6667	10,5556	35,3489	56,8889	58,3333	1,8444 E2	19,4456	2,7778	53,1489
	N	9	9	9	9	9	9	9	9	9	9	9
	Std. Error of Mean	1,92931	,87312	,64550	1,01531	5,02662	13,25754	1,47158 E1	2,08141 E1	4,90569	1,25585	14,90318
CH70	Mean	4,6923	3,7692	7,6154	11,3846	30,4662	55,6154	53,7692	1,9062 E2	17,9223	1,7692	35,9285
	N	13	13	13	13	13	13	13	13	13	13	13
	Std. Error of Mean	1,72606	,77752	,43173	,85888	4,51900	5,14973	1,16757 E1	1,24115 E1	3,89171	,66172	11,03218
H70	Mean	5,2143	3,9286	6,9286	10,8571	33,6407	57,5000	66,1429	1,7636 E2	22,0486	2,3571	37,5850
	N	14	14	14	14	14	14	14	14	14	14	14
	Std. Error of Mean	,72003	,75930	,45045	,74019	4,89323	6,69570	1,52592 E1	1,68414 E1	5,08601	,88707	10,37598
HMS70	Mean	5,9091	4,7273	8,0909	12,8182	36,8136	64,1818	77,4545	1,6018 E2	25,8182	2,5455	45,4800
	N	11	11	11	11	11	11	11	11	11	11	11
	Std. Error of Mean	1,42990	,61925	,74412	1,06871	3,10605	3,96076	8,75979	9,97526	2,91960	,75515	9,55083
MS70	Mean	2,2500	5,0000	8,8333	13,8333	34,7017	58,5000	63,5833	1,7792 E2	21,1933	2,9167	47,0267
	N	12	12	12	12	12	12	12	12	12	12	12
	Std. Error of Mean	,71906	,82572	,79614	1,07895	4,82859	6,31197	1,12070 E1	1,43919 E1	3,73603	,77321	9,10854
Total	Mean	4,4915	4,2542	7,6441	11,8983	34,0092	58,4407	63,8136	1,7803 E2	21,2712	2,4407	42,9864
	N	59	59	59	59	59	59	59	59	59	59	59
	Std. Error of Mean	,59482	,34240	,28375	,43830	2,00635	3,07877	5,61686	6,64504	1,87225	,37317	4,76839

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
LAT	Between Groups	90,460	4	22,615	1,090	,371
	Within Groups	1120,285	54	20,746		
	Total	1210,746	58			
BA	Between Groups	14,879	4	3,720	,520	,721
	Within Groups	386,307	54	7,154		
	Total	401,186	58			
BF	Between Groups	34,944	4	8,736	1,961	,114
	Within Groups	240,581	54	4,455		
	Total	275,525	58			
TOTAL	Between Groups	89,073	4	22,268	2,116	,091
	Within Groups	568,316	54	10,524		
	Total	657,390	58			
PORC_BA	Between Groups	273,513	4	68,378	,273	,894
	Within Groups	13501,557	54	250,029		
	Total	13775,069	58			
CENTRO	Between Groups	500,440	4	125,110	,212	,931
	Within Groups	31936,102	54	591,409		
	Total	32436,542	58			
T_BA	Between Groups	3705,283	4	926,321	,480	,750
	Within Groups	104255,666	54	1930,660		
	Total	107960,949	58			
T_BF	Between Groups	5972,866	4	1493,216	,556	,696
	Within Groups	145131,066	54	2687,612		
	Total	151103,932	58			
PORC_T_BA	Between Groups	411,751	4	102,938	,480	,750
	Within Groups	11583,403	54	214,507		
	Total	11995,155	58			
END_EXPL	Between Groups	9,821	4	2,455	,284	,887
	Within Groups	466,721	54	8,643		
	Total	476,542	58			
PORC_END	Between Groups	2249,809	4	562,452	,402	,806
	Within Groups	75557,921	54	1399,221		
	Total	77807,730	58			

**ANALISE DE MEDIAS – GRUPOS POR IDADE – GRUPO C – TODAS VD’S –
SESSAO INTEIRA
(Comparando C21, C50, C70)**

Report

grupo		BA	BF	TOTAL	PORC_BA	TEM CENTRO	TEMP_BA	TEMP_BF	PORC_T_BA	END_EXPL	PORC_END
C21	Mean	3,0000	6,7500	9,7500	26,8517	54,4167	22,9167	222,6667	7,6392	,3333	5,0100
	N	12	12	12	12	12	12	12	12	12	12
	Std. Error of Mean	,76871	1,03078	1,69279	4,81239	9,77974	5,53290	12,68878	1,84449	,14213	2,97737
C50	Mean	3,5000	7,1250	10,6250	29,8887	29,1250	46,3750	224,5000	15,4575	1,1250	15,0000
	N	8	8	8	8	8	8	8	8	8	8
	Std. Error of Mean	1,00000	,47949	1,33547	4,41509	3,88421	14,53928	16,19634	4,84683	,87500	10,00000
C70	Mean	3,8889	6,6667	10,5556	35,3489	56,8889	58,3333	184,4444	19,4456	2,7778	53,1489
	N	9	9	9	9	9	9	9	9	9	9
	Std. Error of Mean	,87312	,64550	1,01531	5,02662	13,25754	14,71583	20,81407	4,90569	1,25585	14,90318
Total	Mean	3,4138	6,8276	10,2414	30,3266	48,2069	40,3793	211,3103	13,4600	1,3103	22,7055
	N	29	29	29	29	29	29	29	29	29	29
	Std. Error of Mean	,48757	,47620	,82846	2,79454	6,09639	6,86955	9,71073	2,29003	,48399	6,59671

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
BA	Between Groups	4,146	2	2,073	,285	,754
	Within Groups	188,889	26	7,265		
	Total	193,034	28			
BF	Between Groups	1,013	2	,506	,072	,931
	Within Groups	183,125	26	7,043		
	Total	184,138	28			
TOTAL	Between Groups	4,963	2	2,482	,117	,890
	Within Groups	552,347	26	21,244		
	Total	557,310	28			
PORC_BA	Between Groups	373,446	2	186,723	,813	,454
	Within Groups	5967,827	26	229,532		
	Total	6341,273	28			
TEM_CENTRO	Between Groups	4054,078	2	2027,039	2,017	,153
	Within Groups	26124,681	26	1004,795		
	Total	30178,759	28			
TEMP_BA	Between Groups	6848,036	2	3424,018	2,829	,077
	Within Groups	31470,792	26	1210,415		
	Total	38318,828	28			
TEMP_BF	Between Groups	9435,318	2	4717,659	1,827	,181
	Within Groups	67134,889	26	2582,111		
	Total	76570,207	28			
PORC_T_BA	Between Groups	760,947	2	380,474	2,829	,077
	Within Groups	3497,359	26	134,514		
	Total	4258,306	28			
END_EXPL	Between Groups	31,110	2	15,555	2,542	,098
	Within Groups	159,097	26	6,119		
	Total	190,207	28			
PORC_END	Between Groups	12573,766	2	6286,883	7,181	,003
	Within Groups	22761,680	26	875,449		
	Total	35335,446	28			

**ANALISE DE MEDIAS – GRUPOS POR IDADE – GRUPO CH – TODAS VD'S –
SESSAO INTEIRA
(Comparando CH21, CH50, CH70)**

Report

GRUPO		LATENCIA	BA	BF	TOTAL	PORC_BA	CENTRO	T_BA	T_BF	PORC_T_BA	END_EXPL	PORC_END
CH21	Mean	4,5000	4,3000	9,3000	13,6000	29,4950	59,1000	31,1000	2,0980 E2	10,3660	,5000	6,5080
	N	10	10	10	10	10	10	10	10	10	10	10
	Std. Error of Mean	1,40831	,81718	,59722	1,11754	4,11842	6,98164	6,60547	9,47019	2,20200	,34157	4,60334
CH50	Mean	3,8750	6,5000	7,6250	14,1250	44,8175	49,3750	75,0000	1,6300 E2	25,0012	3,1250	43,2588
	N	8	8	8	8	8	8	8	8	8	8	8
	Std. Error of Mean	1,48128	,94491	,53243	1,28782	2,67543	8,13049	1,40166 E1	2,52445 E1	4,67200	1,17165	15,45555
CH70	Mean	4,6923	3,7692	7,6154	11,3846	30,4662	55,6154	53,7692	1,9062 E2	17,9223	1,7692	35,9285
	N	13	13	13	13	13	13	13	13	13	13	13
	Std. Error of Mean	1,72606	,77752	,43173	,85888	4,51900	5,14973	1,16757 E1	1,24115 E1	3,89171	,66172	11,03218
Total	Mean	4,4194	4,6452	8,1613	12,8065	33,8565	55,1290	51,9355	1,8968 E2	17,3116	1,7097	28,3297
	N	31	31	31	31	31	31	31	31	31	31	31
	Std. Error of Mean	,90965	,51127	,32161	,62805	2,62615	3,68833	6,94339	9,13135	2,31445	,44768	6,68542

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
LATENCIA	Between Groups	3,404	2	1,702	,062	,940
	Within Groups	766,144	28	27,362		
	Total	769,548	30			
BA	Between Groups	38,689	2	19,345	2,650	,088
	Within Groups	204,408	28	7,300		
	Total	243,097	30			
BF	Between Groups	19,142	2	9,571	3,478	,045
	Within Groups	77,052	28	2,752		
	Total	96,194	30			
TOTAL	Between Groups	46,487	2	23,243	2,032	,150
	Within Groups	320,352	28	11,441		
	Total	366,839	30			
PORC_BA	Between Groups	1300,803	2	650,401	3,562	,042
	Within Groups	5113,105	28	182,611		
	Total	6413,907	30			
CENTRO	Between Groups	425,632	2	212,816	,487	,619
	Within Groups	12225,852	28	436,638		
	Total	12651,484	30			
T_BA	Between Groups	8640,663	2	4320,332	3,342	,050
	Within Groups	36195,208	28	1292,686		
	Total	44835,871	30			
T_BF	Between Groups	9754,097	2	4877,049	2,014	,152
	Within Groups	67790,677	28	2421,096		
	Total	77544,774	30			
PORC_T_BA	Between Groups	960,308	2	480,154	3,343	,050
	Within Groups	4021,418	28	143,622		
	Total	4981,726	30			
END_EXPL	Between Groups	30,704	2	15,352	2,761	,080
	Within Groups	155,683	28	5,560		
	Total	186,387	30			
PORC_END	Between Groups	7295,513	2	3647,757	2,980	,067
	Within Groups	34270,710	28	1223,954		
	Total	41566,224	30			

**ANALISE DE MEDIAS – GRUPOS POR IDADE – GRUPO H – TODAS VD'S –
SESSAO INTEIRA
(Comparando H21, H50, H70)**

Report

grupo		LATENCIA	BA	BF	TOTAL	PORC_BA	TEM_CENTRO	TEMP_BA	TEMP_BF	PORC_T_BA	END_EXPL	PORC_END
H21	Mean	7,5000	4,9000	8,2000	13,1000	36,0890	61,0000	56,0000	183,0000	18,6660	,9000	14,4890
	N	10	10	10	10	10	10	10	10	10	10	10
	Std. Error of Mean	1,80278	,87496	,71181	1,01598	4,54539	7,86977	14,14292	14,21502	4,71418	,43333	6,20432
H50	Mean	3,3750	4,5000	9,2500	13,7500	29,4200	42,5000	79,8750	177,6250	26,6250	3,1250	46,2312
	N	8	8	8	8	8	8	8	8	8	8	8
	Std. Error of Mean	1,13291	1,19523	,92099	1,76017	5,94725	5,00714	18,52357	21,45006	6,17444	1,25978	15,59465
H70	Mean	5,2143	3,9286	6,9286	10,8571	33,6407	57,5000	66,1429	176,3571	22,0486	2,3571	37,5850
	N	14	14	14	14	14	14	14	14	14	14	14
	Std. Error of Mean	,72003	,75930	,45045	,74019	4,89323	6,69570	15,25925	16,84141	5,08601	,88707	10,37598
Total	Mean	5,4687	4,3750	7,9062	12,2813	33,3506	54,8438	66,4062	178,7500	22,1356	2,0938	32,5228
	N	32	32	32	32	32	32	32	32	32	32	32
	Std. Error of Mean	,73504	,51146	,40000	,64949	2,90953	4,11946	9,09901	9,82939	3,03286	,52433	6,49124

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
LATENCIA	Between Groups	77,237	2	38,618	2,441	,105
	Within Groups	458,732	29	15,818		
	Total	535,969	31			
BA	Between Groups	5,671	2	2,836	,324	,726
	Within Groups	253,829	29	8,753		
	Total	259,500	31			
BF	Between Groups	28,690	2	14,345	3,199	,056
	Within Groups	130,029	29	4,484		
	Total	158,719	31			
TOTAL	Between Groups	52,354	2	26,177	2,074	,144
	Within Groups	366,114	29	12,625		
	Total	418,469	31			
PORC_BA	Between Groups	199,764	2	99,882	,353	,705
	Within Groups	8197,906	29	282,686		
	Total	8397,670	31			
TEM_CENTRO	Between Groups	1696,719	2	848,359	1,625	,214
	Within Groups	15137,500	29	521,983		
	Total	16834,219	31			
TEMP_BA	Between Groups	2535,129	2	1267,565	,462	,635
	Within Groups	79594,589	29	2744,641		
	Total	82129,719	31			
TEMP_BF	Between Groups	270,911	2	135,455	,041	,960
	Within Groups	95573,089	29	3295,624		
	Total	95844,000	31			
PORC_T_BA	Between Groups	281,725	2	140,862	,462	,635
	Within Groups	8842,942	29	304,929		
	Total	9124,667	31			
END_EXPL	Between Groups	23,729	2	11,865	1,382	,267
	Within Groups	248,989	29	8,586		
	Total	272,719	31			
PORC_END	Between Groups	5121,532	2	2560,766	2,025	,150
	Within Groups	36677,535	29	1264,743		
	Total	41799,067	31			

**ANALISE DE MEDIAS – GRUPOS POR IDADE – GRUPO HMS – TODAS VD'S
– SESSAO INTEIRA
(Comparando HMS21, HMS50, HMS70)**

Report

subgrupo HMS		LATENCIA	BA	BF	TOTAL	PORC_BA	TEM_CENTRO	TEMP_BA	TEMP_BF	PORC_T_BA	END_EXPL	PORC_END
hms21	Mean	4,0909	4,0909	8,8182	12,9091	30,6300	44,2727	60,4545	195,2727	20,1527	1,9091	39,0900
	N	11	11	11	11	11	11	11	11	11	11	11
	Std. Error of Mean	,66680	,77991	,94213	1,20947	4,45352	5,99559	10,53424	7,65398	3,51122	,75624	11,18333
hms50	Mean	7,1250	4,0000	7,5000	11,5000	29,8725	48,5000	66,1250	185,3750	22,0400	1,1250	20,0000
	N	8	8	8	8	8	8	8	8	8	8	8
	Std. Error of Mean	4,12500	1,06904	,77919	1,51186	6,36355	9,85248	17,79791	22,23168	5,93248	,44068	7,79194
hms70	Mean	5,9091	4,7273	8,0909	12,8182	36,8136	64,1818	77,4545	160,1818	25,8182	2,5455	45,4800
	N	11	11	11	11	11	11	11	11	11	11	11
	Std. Error of Mean	1,42990	,61925	,74412	1,06871	3,10605	3,96076	8,75979	9,97526	2,91960	,75515	9,55083
Total	Mean	5,5667	4,3000	8,2000	12,5000	32,6953	52,7000	68,2000	179,7667	22,7333	1,9333	36,3423
	N	30	30	30	30	30	30	30	30	30	30	30
	Std. Error of Mean	1,20886	,45016	,48042	,69934	2,58375	3,93749	6,78257	7,74473	2,26072	,40947	5,90436

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
LATENCIA	Between Groups	44,673	2	22,337	,492	,617
	Within Groups	1226,693	27	45,433		
	Total	1271,367	29			
BA	Between Groups	3,209	2	1,605	,250	,780
	Within Groups	173,091	27	6,411		
	Total	176,300	29			
BF	Between Groups	8,255	2	4,127	,579	,567
	Within Groups	192,545	27	7,131		
	Total	200,800	29			
TOTAL	Between Groups	10,955	2	5,477	,357	,703
	Within Groups	414,545	27	15,354		
	Total	425,500	29			
PORC_BA	Between Groups	297,233	2	148,617	,728	,492
	Within Groups	5510,664	27	204,099		
	Total	5807,897	29			
TEM_CENTRO	Between Groups	2372,482	2	1186,241	2,881	,073
	Within Groups	11115,818	27	411,697		
	Total	13488,300	29			
TEMP_BA	Between Groups	1636,470	2	818,235	,576	,569
	Within Groups	38386,330	27	1421,716		
	Total	40022,800	29			
TEMP_BF	Between Groups	7115,673	2	3557,837	2,131	,138
	Within Groups	45067,693	27	1669,174		
	Total	52183,367	29			
PORC_T_BA	Between Groups	181,780	2	90,890	,575	,569
	Within Groups	4264,683	27	157,951		
	Total	4446,462	29			
END_EXPL	Between Groups	9,355	2	4,678	,925	,409
	Within Groups	136,511	27	5,056		
	Total	145,867	29			
PORC_END	Between Groups	3138,088	2	1569,044	1,558	,229
	Within Groups	27191,379	27	1007,088		
	Total	30329,467	29			

**ANALISE DE MEDIAS – GRUPOS POR IDADE – GRUPO MS – TODAS VD’S –
SESSAO INTEIRA
(Comparando MS21, MS50, MS70)**

Report

subgrupo_MS		LATENCIA	BA	BF	TOTAL	PORC_BA	TEM_CENTRO	TEMP_BA	TEMP_BF	PORC_T_BA	END_EXPL	PORC_END
MS21	Mean	2,0000	3,1667	7,7500	10,9167	27,5567	42,3333	28,6667	229,0000	9,5542	,8333	23,2633
	N	12	12	12	12	12	12	12	12	12	12	12
	Std. Error of Mean	,57735	,58818	,88869	1,11095	4,84914	5,54914	5,59942	7,39574	1,86661	,42343	9,58765
MS50	Mean	1,7500	2,6250	7,6250	10,2500	24,9325	50,0000	39,8750	210,1250	13,2900	,7500	19,1662
	N	8	8	8	8	8	8	8	8	8	8	8
	Std. Error of Mean	,90139	,56497	1,01660	1,19149	4,86650	9,74679	11,31598	12,08665	3,77199	,49099	12,37230
MS70	Mean	2,2500	5,0000	8,8333	13,8333	34,7017	58,5000	63,5833	177,9167	21,1933	2,9167	47,0267
	N	12	12	12	12	12	12	12	12	12	12	12
	Std. Error of Mean	,71906	,82572	,79614	1,07895	4,82859	6,31197	11,20704	14,39195	3,73603	,77321	9,10854
Total	Mean	2,0312	3,7188	8,1250	11,8437	29,5800	50,3125	44,5625	205,1250	14,8528	1,5938	31,1503
	N	32	32	32	32	32	32	32	32	32	32	32
	Std. Error of Mean	,40031	,43356	,50750	,69141	2,84768	4,04272	5,97693	7,69016	1,99242	,38849	6,07227

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
LATENCIA	Between Groups	1,219	2	,609	,112	,894
	Within Groups	157,750	29	5,440		
	Total	158,969	31			
BA	Between Groups	32,927	2	16,464	3,110	,060
	Within Groups	153,542	29	5,295		
	Total	186,469	31			
BF	Between Groups	9,708	2	4,854	,573	,570
	Within Groups	245,792	29	8,476		
	Total	255,500	31			
TOTAL	Between Groups	78,135	2	39,068	2,860	,073
	Within Groups	396,083	29	13,658		
	Total	474,219	31			
PORC_BA	Between Groups	536,698	2	268,349	1,037	,367
	Within Groups	7507,726	29	258,887		
	Total	8044,424	31			
TEM_CENTRO	Between Groups	1569,208	2	784,604	1,554	,229
	Within Groups	14643,667	29	504,954		
	Total	16212,875	31			
TEMP_BA	Between Groups	7549,417	2	3774,708	3,925	,031
	Within Groups	27888,458	29	961,671		
	Total	35437,875	31			
TEMP_BF	Between Groups	15923,708	2	7961,854	5,402	,010
	Within Groups	42741,792	29	1473,855		
	Total	58665,500	31			
PORC_T_BA	Between Groups	838,873	2	419,437	3,925	,031
	Within Groups	3099,125	29	106,866		
	Total	3937,998	31			
END_EXPL	Between Groups	33,635	2	16,818	4,201	,025
	Within Groups	116,083	29	4,003		
	Total	149,719	31			
PORC_END	Between Groups	4920,099	2	2460,049	2,254	,123
	Within Groups	31657,415	29	1091,635		
	Total	36577,514	31			