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Nota di contenuto	Front Cover; The Neuroscience of Pain, Stress, and Emotion; Copyright; CONTENTS; CONTRIBUTORS; FOREWORD; 1 - Introduction and Background on Pain and Stress; 1 - Neuroscience of Pain and Emotion; NEUROANATOMY OF PAIN AND EMOTION; Nociceptive Pathways; Central Representation of Pain; Emotional Networks in the Brain; PAIN AND EMOTION INTERACTIONS; Emotional Modulation of Pain; Visual Emotional Stimuli and Pain Processing; Emotional Faces and Pain Processing; Influence of Pain on Emotion; Neural Bases of Pain-Emotion Interactions; CONCLUSIONS; REFERENCES; 2 - The Neurobiology of Stress THE STRESS CONCEPT THE STRESS STIMULUS; THE STRESS RESPONSE; SNS and the SAM Axis; The HPA Response; STRESS RESPONSE INTERACTIONS WITH OTHER SYSTEMS; Immune System; Reproduction; Growth Hormone; Pain; TERMINATION OF THE STRESS RESPONSE; INDIVIDUAL VARIATION IN THE STRESS RESPONSE; THE STRESS RESPONSE AND AFFECTIVE DISORDERS; CONCLUSIONS; REFERENCES; 3 - Emotional Modulation of Pain; A BRIEF INTRODUCTION TO SOME TERMS; PAIN AND EMOTION WITHIN A MOTIVATIONAL CONTEXT;

EMOTIONAL MODULATION OF PAIN IN HEALTHY HUMANS

Observation 1: Positive Emotions Generally Inhibit Pain, Whereas Negative Emotions Generally Enhance Pain Pain-Related Emotions; Pain-Unrelated Emotions; Observation 2: Degree of Motivation System Activation Affects the Degree of Pain Inhibition/Facilitation; Observation 3: Emotional Stimuli that Elicit Simultaneous (and Equal) Defensive and Appetitive Activation Have No Net Effect ...; Observation 4: Emotions Modulate All Pain-Related (Defensive) Outcomes in Parallel; INTENSE NEGATIVE EMOTIONS INHIBIT PAIN: A REVISION TO MPT; EMOTIONAL MODULATION OF PAIN IN CLINICAL POPULATIONS SUMMARY AND IMPLICATIONS ACKNOWLEDGMENTS; REFERENCES; 4 - Sex Differences in Pain and Stress; INTRODUCTION; SEX DIFFERENCES IN CLINICAL PAIN; SEX DIFFERENCES IN EXPERIMENTAL PAIN RESPONSES; STRESS AND PAIN: AN INTRODUCTION; RELATIONSHIP BETWEEN STRESS AND PAIN; SEX DIFFERENCES IN NEUROENDOCRINE RESPONSES TO STRESS; THE RELATIONSHIP OF STRESS TO CHRONIC PAIN PREVALENCE IN WOMEN; SEX DIFFERENCES IN SIA; MECHANISMS UNDERLYING SEX DIFFERENCES IN PAIN; CONCLUSIONS; REFERENCES; 2 - Psychological Processes Related to Pain and Stress; 5 - Pain and the Placebo Effect; INTRODUCTION; EXPECTATIONS PLACEBO ANALGESIA THE NEUROBIOLOGICAL BASIS OF PLACEBO ANALGESIA; SOCIAL FACTORS AND PLACEBO MODULATION OF PAIN; ONE OR MULTIPLE PLACEBO EFFECTS?; EMOTIONAL VALENCE AND AROUSAL MODULATE PAIN; THE ROLE OF EMOTIONS IN PLACEBO RESPONDING; INDIVIDUAL DIFFERENCES IN PLACEBO ANALGESIC RESPONSES; IMPLICATIONS FOR TREATMENT OF PAIN; CONCLUSIONS; REFERENCES; 6 - Nocebo and Pain; INTRODUCTION; NEGATIVE EXPECTATIONS MAY LEAD TO CLINICAL WORSENING; CHOLECYSTOKININ IS A MEDIATOR OF NOCEBO HYPERALGESIA; IMAGING THE BRAIN DURING NEGATIVE EXPECTATIONS; CONCLUSIONS; REFERENCES

7 - The Neuroscience of Pain and Fear