

NWI PARKINSON'S

NWI PARKINSON'S REFERS TO THE AWARENESS, DIAGNOSIS, TREATMENT, AND SUPPORT SYSTEMS RELATED TO PARKINSON'S DISEASE WITHIN THE NORTHWEST INDIANA (NWI) REGION. PARKINSON'S DISEASE IS A PROGRESSIVE NEUROLOGICAL DISORDER THAT AFFECTS MOVEMENT, CAUSING SYMPTOMS SUCH AS TREMORS, RIGIDITY, AND BRADYKINESIA. UNDERSTANDING HOW NWI PARKINSON'S RESOURCES ADDRESS THESE CHALLENGES IS ESSENTIAL FOR PATIENTS, CAREGIVERS, AND HEALTHCARE PROVIDERS IN THE AREA. THIS ARTICLE EXPLORES THE PREVALENCE AND IMPACT OF PARKINSON'S DISEASE IN NWI, AVAILABLE MEDICAL AND THERAPEUTIC SERVICES, COMMUNITY SUPPORT NETWORKS, AND THE LATEST ADVANCEMENTS IN TREATMENT. ADDITIONALLY, IT HIGHLIGHTS THE IMPORTANCE OF EARLY DIAGNOSIS AND ONGOING RESEARCH EFFORTS FOCUSED ON IMPROVING QUALITY OF LIFE FOR THOSE AFFECTED. THE FOLLOWING SECTIONS PROVIDE A COMPREHENSIVE OVERVIEW DESIGNED TO INFORM AND ASSIST THOSE SEEKING HELP RELATED TO NWI PARKINSON'S.

- UNDERSTANDING PARKINSON'S DISEASE IN NWI
- MEDICAL AND THERAPEUTIC SERVICES AVAILABLE
- COMMUNITY SUPPORT AND RESOURCES
- ADVANCEMENTS IN TREATMENT AND RESEARCH
- LIVING WITH PARKINSON'S IN NWI

UNDERSTANDING PARKINSON'S DISEASE IN NWI

PARKINSON'S DISEASE IS A CHRONIC AND PROGRESSIVE MOVEMENT DISORDER THAT WIDELY AFFECTS THE AGING POPULATION, INCLUDING RESIDENTS OF NORTHWEST INDIANA. NWI PARKINSON'S CASES REFLECT NATIONAL TRENDS, WITH AN INCREASING NUMBER OF DIAGNOSES DUE TO LONGER LIFE EXPECTANCY AND IMPROVED DETECTION METHODS. THE CONDITION PRIMARILY RESULTS FROM THE LOSS OF DOPAMINE-PRODUCING NEURONS IN THE BRAIN, LEADING TO CHARACTERISTIC MOTOR SYMPTOMS SUCH AS RESTING TREMORS, MUSCLE STIFFNESS, AND SLOWED MOVEMENT. NON-MOTOR SYMPTOMS LIKE COGNITIVE CHANGES, SLEEP DISTURBANCES, AND MOOD DISORDERS ARE ALSO PREVALENT AND SIGNIFICANTLY IMPACT PATIENT WELLBEING.

PREVALENCE AND DEMOGRAPHICS

THE PREVALENCE OF PARKINSON'S DISEASE IN NWI MIRRORS THAT OF THE BROADER UNITED STATES, WITH APPROXIMATELY 1 MILLION AMERICANS LIVING WITH THE DISORDER. PARKINSON'S TYPICALLY AFFECTS INDIVIDUALS OVER THE AGE OF 60, ALTHOUGH YOUNGER-ONSET CASES DO OCCUR. ENVIRONMENTAL FACTORS, GENETIC PREDISPOSITIONS, AND LIFESTYLE CHOICES CONTRIBUTE TO THE RISK PROFILE WITHIN THE REGION. AWARENESS CAMPAIGNS IN NWI AIM TO EDUCATE THE PUBLIC AND HEALTHCARE PROFESSIONALS ABOUT EARLY WARNING SIGNS TO FACILITATE TIMELY DIAGNOSIS AND INTERVENTION.

SYMPTOMS AND DIAGNOSIS

DIAGNOSING PARKINSON'S DISEASE INVOLVES A COMPREHENSIVE CLINICAL EVALUATION, INCLUDING MEDICAL HISTORY, NEUROLOGICAL EXAMINATION, AND OBSERVATION OF HALLMARK SYMPTOMS. IN THE NWI REGION, NEUROLOGISTS AND MOVEMENT DISORDER SPECIALISTS UTILIZE STANDARDIZED CRITERIA AND ADVANCED IMAGING TECHNIQUES TO ENHANCE DIAGNOSTIC ACCURACY. EARLY SYMPTOMS MAY BE SUBTLE AND EASILY OVERLOOKED, EMPHASIZING THE NEED FOR INCREASED VIGILANCE AMONG PRIMARY CARE PROVIDERS AND PATIENTS ALIKE.

MEDICAL AND THERAPEUTIC SERVICES AVAILABLE

NWI PARKINSON'S PATIENTS HAVE ACCESS TO A VARIETY OF SPECIALIZED MEDICAL AND THERAPEUTIC SERVICES DESIGNED TO MANAGE SYMPTOMS AND IMPROVE QUALITY OF LIFE. THESE SERVICES ENCOMPASS PHARMACOLOGICAL TREATMENTS, PHYSICAL AND OCCUPATIONAL THERAPY, SPEECH THERAPY, AND SURGICAL OPTIONS FOR ADVANCED CASES. COORDINATED CARE MODELS INVOLVING NEUROLOGISTS, THERAPISTS, AND SOCIAL WORKERS ARE INCREASINGLY COMMON TO ADDRESS THE MULTIFACETED NEEDS OF PARKINSON'S PATIENTS IN THE REGION.

PHARMACOLOGICAL TREATMENTS

THE CORNERSTONE OF PARKINSON'S DISEASE MANAGEMENT IN NWI IS MEDICATION AIMED AT REPLENISHING OR MIMICKING DOPAMINE. COMMON DRUGS INCLUDE LEVODOPA COMBINED WITH CARBIDOPA, DOPAMINE AGONISTS, MAO-B INHIBITORS, AND COMT INHIBITORS. PHYSICIANS IN THE AREA TAILOR TREATMENT REGIMENS BASED ON DISEASE STAGE, SYMPTOM SEVERITY, AND INDIVIDUAL PATIENT RESPONSE. MEDICATION ADJUSTMENTS ARE REGULARLY NECESSARY TO OPTIMIZE SYMPTOM CONTROL AND MINIMIZE SIDE EFFECTS.

REHABILITATIVE THERAPIES

PHYSICAL, OCCUPATIONAL, AND SPEECH THERAPIES PLAY A CRITICAL ROLE IN MAINTAINING MOBILITY, FUNCTIONAL INDEPENDENCE, AND COMMUNICATION ABILITIES FOR NWI PARKINSON'S PATIENTS. THERAPY PROGRAMS FOCUS ON:

- IMPROVING BALANCE AND GAIT TO REDUCE FALL RISK
- ENHANCING FINE MOTOR SKILLS AND HAND COORDINATION
- ADDRESSING SWALLOWING DIFFICULTIES AND VOICE CHANGES
- IMPLEMENTING DAILY LIVING ADAPTATIONS AND ASSISTIVE TECHNOLOGIES

THESE REHABILITATIVE EFFORTS ARE OFTEN DELIVERED THROUGH OUTPATIENT CLINICS, SPECIALIZED REHABILITATION CENTERS, AND COMMUNITY HEALTH PROGRAMS ACROSS NORTHWEST INDIANA.

SURGICAL INTERVENTIONS

FOR PATIENTS WITH ADVANCED PARKINSON'S DISEASE WHO DO NOT RESPOND ADEQUATELY TO MEDICATION, DEEP BRAIN STIMULATION (DBS) SURGERY IS AN OPTION AVAILABLE IN NWI MEDICAL CENTERS. DBS INVOLVES IMPLANTING ELECTRODES IN SPECIFIC BRAIN REGIONS TO REGULATE ABNORMAL NEURONAL ACTIVITY. THIS PROCEDURE CAN SIGNIFICANTLY REDUCE MOTOR SYMPTOMS AND MEDICATION REQUIREMENTS, IMPROVING OVERALL FUNCTION.

COMMUNITY SUPPORT AND RESOURCES

NWI PARKINSON'S COMMUNITY SUPPORT NETWORKS PROVIDE ESSENTIAL EMOTIONAL, EDUCATIONAL, AND PRACTICAL ASSISTANCE TO PATIENTS AND CAREGIVERS. THESE RESOURCES FOSTER CONNECTION, REDUCE ISOLATION, AND EMPOWER INDIVIDUALS TO MANAGE THE CHALLENGES ASSOCIATED WITH PARKINSON'S DISEASE.

SUPPORT GROUPS AND EDUCATION

LOCAL PARKINSON'S SUPPORT GROUPS IN NWI OFFER REGULAR MEETINGS WHERE PATIENTS AND FAMILIES SHARE EXPERIENCES, LEARN COPING STRATEGIES, AND RECEIVE UPDATES ON DISEASE MANAGEMENT. EDUCATIONAL WORKSHOPS AND SEMINARS ARE ALSO CONDUCTED TO INCREASE AWARENESS AND PROMOTE BEST PRACTICES IN CAREGIVING. THESE INITIATIVES HELP BUILD A STRONG SENSE OF COMMUNITY AND RESILIENCE AMONG AFFECTED INDIVIDUALS.

CAREGIVER RESOURCES

CAREGIVERS OF NWI PARKINSON'S PATIENTS FACE UNIQUE PHYSICAL AND EMOTIONAL DEMANDS. SUPPORT SERVICES TAILORED TO CAREGIVERS INCLUDE RESPITE CARE OPTIONS, TRAINING PROGRAMS, COUNSELING, AND ASSISTANCE WITH NAVIGATING HEALTHCARE SYSTEMS. ACCESS TO THESE RESOURCES HELPS MAINTAIN CAREGIVER WELLBEING AND SUSTAINS THE QUALITY OF CARE PROVIDED TO PATIENTS.

LOCAL ORGANIZATIONS AND ADVOCACY

SEVERAL NONPROFIT ORGANIZATIONS AND ADVOCACY GROUPS OPERATE WITHIN NORTHWEST INDIANA TO ADVANCE PARKINSON'S DISEASE RESEARCH, POLICY, AND PUBLIC AWARENESS. THESE ENTITIES COLLABORATE WITH HEALTHCARE PROVIDERS AND GOVERNMENT AGENCIES TO IMPROVE SERVICES AND FUNDING FOR PARKINSON'S CARE. PARTICIPATION IN ADVOCACY EFFORTS ALLOWS THE NWI COMMUNITY TO CONTRIBUTE TO BROADER NATIONAL AND GLOBAL INITIATIVES TARGETING PARKINSON'S DISEASE.

ADVANCEMENTS IN TREATMENT AND RESEARCH

NWI PARKINSON'S PATIENTS BENEFIT FROM ONGOING ADVANCEMENTS IN CLINICAL RESEARCH AND INNOVATIVE THERAPIES AIMED AT SLOWING DISEASE PROGRESSION AND ENHANCING SYMPTOM RELIEF. RESEARCH INSTITUTIONS IN THE AREA PARTICIPATE IN CLINICAL TRIALS AND STUDIES THAT EXPLORE NOVEL PHARMACOLOGICAL AGENTS, GENE THERAPIES, AND NEUROPROTECTIVE STRATEGIES.

EMERGING THERAPIES

NEW TREATMENTS UNDER INVESTIGATION INCLUDE:

- IMMUNOTHERAPY APPROACHES TO TARGET ABNORMAL PROTEIN ACCUMULATION
- STEM CELL THERAPIES TO REPLACE DAMAGED NEURONS
- PRECISION MEDICINE TECHNIQUES TAILORED TO GENETIC PROFILES
- ADVANCED NEUROSTIMULATION DEVICES WITH IMPROVED EFFICACY

THESE CUTTING-EDGE DEVELOPMENTS HOLD PROMISE FOR TRANSFORMING THE FUTURE LANDSCAPE OF PARKINSON'S CARE IN NWI AND BEYOND.

CLINICAL TRIALS AND PARTICIPATION

PARTICIPATION IN CLINICAL TRIALS IS ENCOURAGED FOR ELIGIBLE NWI PARKINSON'S PATIENTS TO ACCESS EXPERIMENTAL TREATMENTS AND CONTRIBUTE TO SCIENTIFIC KNOWLEDGE. LOCAL HOSPITALS AND RESEARCH CENTERS FACILITATE ENROLLMENT AND PROVIDE COMPREHENSIVE SUPPORT THROUGHOUT THE TRIAL PROCESS. ENGAGEMENT IN RESEARCH FOSTERS HOPE AND ACCELERATES PROGRESS TOWARD MORE EFFECTIVE THERAPIES.

LIVING WITH PARKINSON'S IN NWI

MANAGING PARKINSON'S DISEASE IN NORTHWEST INDIANA REQUIRES A HOLISTIC APPROACH THAT ADDRESSES PHYSICAL HEALTH, MENTAL WELLBEING, AND SOCIAL ENGAGEMENT. PATIENTS AND FAMILIES ARE ADVISED TO ADOPT LIFESTYLE MODIFICATIONS, INCLUDING REGULAR EXERCISE, BALANCED NUTRITION, AND STRESS MANAGEMENT TECHNIQUES. COMMUNITY PROGRAMS AND RECREATIONAL ACTIVITIES TAILORED FOR INDIVIDUALS WITH PARKINSON'S ENHANCE QUALITY OF LIFE AND PROMOTE INDEPENDENCE.

EXERCISE AND WELLNESS PROGRAMS

PHYSICAL ACTIVITY IS A CORNERSTONE OF PARKINSON'S SYMPTOM MANAGEMENT IN NWI. EXERCISE PROGRAMS SPECIFICALLY DESIGNED FOR PARKINSON'S PATIENTS FOCUS ON FLEXIBILITY, STRENGTH, BALANCE, AND CARDIOVASCULAR FITNESS. POPULAR OPTIONS INCLUDE:

- DANCE-BASED CLASSES SUCH AS TANGO AND BALLET
- YOGA AND TAI CHI FOR BALANCE AND RELAXATION
- GROUP WALKING AND CYCLING SESSIONS
- WATER AEROBICS FOR LOW-IMPACT CONDITIONING

CONSISTENT PARTICIPATION IN THESE PROGRAMS HAS BEEN SHOWN TO IMPROVE MOTOR FUNCTION AND REDUCE SYMPTOM SEVERITY.

MENTAL HEALTH AND EMOTIONAL SUPPORT

DEPRESSION, ANXIETY, AND COGNITIVE CHANGES ARE COMMON AMONG PARKINSON'S PATIENTS. MENTAL HEALTH SERVICES IN NWI PROVIDE COUNSELING, SUPPORT GROUPS, AND PSYCHIATRIC CARE TO ADDRESS THESE CHALLENGES. INTEGRATING PSYCHOLOGICAL SUPPORT INTO THE OVERALL CARE PLAN IS VITAL FOR MAINTAINING EMOTIONAL RESILIENCE AND ENHANCING LIFE SATISFACTION.

FREQUENTLY ASKED QUESTIONS

WHAT IS NWI PARKINSON'S TREATMENT?

NWI PARKINSON'S TREATMENT REFERS TO THERAPIES AND MANAGEMENT STRATEGIES PROVIDED BY NEUROLOGICAL WELLNESS

INSTITUTE (NWI) FOR PARKINSON'S DISEASE, FOCUSING ON PERSONALIZED CARE INCLUDING MEDICATION, PHYSICAL THERAPY, AND ADVANCED INTERVENTIONS.

HOW DOES NWI APPROACH PARKINSON'S DISEASE MANAGEMENT?

NWI EMPLOYS A MULTIDISCIPLINARY APPROACH TO PARKINSON'S DISEASE, COMBINING NEUROLOGISTS, PHYSICAL THERAPISTS, OCCUPATIONAL THERAPISTS, AND SPEECH THERAPISTS TO PROVIDE COMPREHENSIVE CARE TAILORED TO EACH PATIENT'S NEEDS.

ARE THERE ANY NEW PARKINSON'S THERAPIES OFFERED BY NWI?

YES, NWI PARKINSON'S CENTERS OFTEN PROVIDE ACCESS TO CUTTING-EDGE TREATMENTS SUCH AS DEEP BRAIN STIMULATION (DBS), MEDICATION ADJUSTMENTS, AND EXPERIMENTAL THERAPIES AS PART OF CLINICAL TRIALS.

CAN NWI PARKINSON'S PROGRAMS HELP IMPROVE QUALITY OF LIFE?

ABSOLUTELY, NWI PARKINSON'S PROGRAMS EMPHASIZE IMPROVING MOBILITY, REDUCING SYMPTOMS, AND ENHANCING OVERALL QUALITY OF LIFE THROUGH INDIVIDUALIZED THERAPY PLANS AND SUPPORT SERVICES.

DOES NWI PROVIDE TELEHEALTH SERVICES FOR PARKINSON'S PATIENTS?

YES, NWI OFFERS TELEHEALTH CONSULTATIONS AND REMOTE THERAPY OPTIONS TO ENSURE CONTINUOUS CARE FOR PARKINSON'S PATIENTS, ESPECIALLY THOSE WHO HAVE MOBILITY CHALLENGES OR LIVE FAR FROM TREATMENT CENTERS.

WHAT ROLE DOES EXERCISE PLAY IN NWI PARKINSON'S TREATMENT PLANS?

EXERCISE IS A CRITICAL COMPONENT IN NWI PARKINSON'S TREATMENT, HELPING TO IMPROVE MOTOR FUNCTION, BALANCE, AND FLEXIBILITY, OFTEN GUIDED BY SPECIALIZED PHYSICAL THERAPISTS.

HOW DOES NWI SUPPORT CAREGIVERS OF PARKINSON'S PATIENTS?

NWI PROVIDES EDUCATION, COUNSELING, AND SUPPORT GROUPS FOR CAREGIVERS TO HELP THEM MANAGE THE CHALLENGES OF CARING FOR LOVED ONES WITH PARKINSON'S DISEASE.

ARE THERE ANY DIETARY RECOMMENDATIONS FROM NWI FOR PARKINSON'S PATIENTS?

NWI RECOMMENDS A BALANCED DIET RICH IN ANTIOXIDANTS, FIBER, AND ADEQUATE HYDRATION TO SUPPORT BRAIN HEALTH AND OVERALL WELL-BEING IN PARKINSON'S PATIENTS.

WHAT DIAGNOSTIC SERVICES DOES NWI OFFER FOR PARKINSON'S DISEASE?

NWI OFFERS COMPREHENSIVE DIAGNOSTIC EVALUATIONS INCLUDING NEUROLOGICAL EXAMS, IMAGING STUDIES, AND BIOMARKER TESTING TO ACCURATELY DIAGNOSE PARKINSON'S DISEASE AND DIFFERENTIATE IT FROM OTHER MOVEMENT DISORDERS.

HOW CAN PATIENTS ENROLL IN NWI PARKINSON'S CLINICAL TRIALS?

PATIENTS INTERESTED IN NWI PARKINSON'S CLINICAL TRIALS CAN CONTACT THE INSTITUTE DIRECTLY TO DISCUSS ELIGIBILITY CRITERIA, TRIAL AVAILABILITY, AND ENROLLMENT PROCEDURES.

ADDITIONAL RESOURCES

1. *NEURODEGENERATION AND WELLNESS: ADVANCES IN PARKINSON'S DISEASE RESEARCH*

THIS COMPREHENSIVE VOLUME EXPLORES THE LATEST SCIENTIFIC DISCOVERIES RELATED TO NEURODEGENERATION, WITH A FOCUS ON PARKINSON'S DISEASE. IT COVERS MOLECULAR MECHANISMS, DIAGNOSTIC ADVANCEMENTS, AND EMERGING THERAPEUTIC

STRATEGIES. THE BOOK IS AN ESSENTIAL RESOURCE FOR RESEARCHERS AND CLINICIANS AIMING TO UNDERSTAND AND COMBAT PARKINSON'S EFFECTIVELY.

2. LIVING WELL WITH PARKINSON'S: A GUIDE TO MANAGING SYMPTOMS AND ENHANCING QUALITY OF LIFE

THIS PRACTICAL GUIDE OFFERS PATIENTS AND CAREGIVERS EVIDENCE-BASED ADVICE ON COPING WITH PARKINSON'S DISEASE. IT INCLUDES STRATEGIES FOR MANAGING MOTOR AND NON-MOTOR SYMPTOMS, NUTRITION TIPS, AND RECOMMENDATIONS FOR PHYSICAL ACTIVITY. THE BOOK EMPHASIZES HOLISTIC CARE AND IMPROVING DAY-TO-DAY WELL-BEING.

3. NEUROINFLAMMATION IN PARKINSON'S DISEASE: MECHANISMS AND THERAPEUTIC TARGETS

FOCUSING ON THE ROLE OF NEUROINFLAMMATION IN PARKINSON'S, THIS BOOK DELVES INTO HOW THE IMMUNE SYSTEM CONTRIBUTES TO DISEASE PROGRESSION. IT REVIEWS CURRENT RESEARCH ON INFLAMMATORY PATHWAYS AND DISCUSSES POTENTIAL TREATMENTS AIMING TO MODULATE NEUROINFLAMMATION. THIS TITLE IS IDEAL FOR NEUROSCIENTISTS AND PHARMACOLOGISTS.

4. PARKINSON'S DISEASE: FROM BENCH TO BEDSIDE

THIS TEXT BRIDGES LABORATORY RESEARCH AND CLINICAL PRACTICE, DETAILING HOW SCIENTIFIC FINDINGS TRANSLATE INTO PATIENT CARE FOR PARKINSON'S DISEASE. IT COVERS GENETICS, BIOMARKERS, AND NOVEL DRUG DEVELOPMENTS. HEALTHCARE PROFESSIONALS WILL FIND THIS BOOK VALUABLE FOR UNDERSTANDING TREATMENT INNOVATIONS.

5. NEUROPLASTICITY AND REHABILITATION IN PARKINSON'S DISEASE

EXAMINING THE BRAIN'S ABILITY TO ADAPT, THIS BOOK HIGHLIGHTS REHABILITATION TECHNIQUES THAT HARNESS NEUROPLASTICITY TO IMPROVE MOTOR FUNCTION IN PARKINSON'S PATIENTS. IT DISCUSSES PHYSICAL THERAPY, OCCUPATIONAL THERAPY, AND EMERGING TECHNOLOGIES SUCH AS VIRTUAL REALITY. THE CONTENT SUPPORTS CLINICIANS AND THERAPISTS WORKING IN NEUROREHABILITATION.

6. NON-MOTOR SYMPTOMS IN PARKINSON'S DISEASE: DIAGNOSIS AND MANAGEMENT

THIS BOOK ADDRESSES THE OFTEN-OVERLOOKED NON-MOTOR SYMPTOMS OF PARKINSON'S DISEASE, INCLUDING COGNITIVE IMPAIRMENT, MOOD DISORDERS, AND AUTONOMIC DYSFUNCTION. IT PROVIDES GUIDANCE ON COMPREHENSIVE ASSESSMENT AND MULTIDISCIPLINARY TREATMENT APPROACHES. THE BOOK IS A VALUABLE TOOL FOR NEUROLOGISTS AND MENTAL HEALTH PROFESSIONALS.

7. GENETICS AND PERSONALIZED MEDICINE IN PARKINSON'S DISEASE

EXPLORING THE GENETIC UNDERPINNINGS OF PARKINSON'S, THIS VOLUME DISCUSSES HOW GENETIC TESTING CAN INFORM PERSONALIZED TREATMENT PLANS. IT COVERS ADVANCES IN GENE THERAPY AND PRECISION MEDICINE APPROACHES TAILORED TO INDIVIDUAL PATIENT PROFILES. RESEARCHERS AND CLINICIANS INTERESTED IN THE FUTURE OF PARKINSON'S CARE WILL BENEFIT FROM THIS TEXT.

8. NEUROPROTECTIVE STRATEGIES IN PARKINSON'S DISEASE: CURRENT PERSPECTIVES

THIS BOOK REVIEWS EXPERIMENTAL AND CLINICAL STUDIES ON NEUROPROTECTIVE AGENTS AIMED AT SLOWING PARKINSON'S DISEASE PROGRESSION. IT EXAMINES ANTIOXIDANTS, MITOCHONDRIAL ENHANCERS, AND LIFESTYLE INTERVENTIONS. THE WORK IS SUITED FOR SCIENTISTS AND HEALTHCARE PROVIDERS FOCUSED ON DISEASE MODIFICATION.

9. INNOVATIONS IN DEEP BRAIN STIMULATION FOR PARKINSON'S DISEASE

DETAILING THE LATEST ADVANCEMENTS IN DEEP BRAIN STIMULATION (DBS) TECHNOLOGY, THIS BOOK COVERS PATIENT SELECTION, SURGICAL TECHNIQUES, AND OUTCOME OPTIMIZATION. IT ALSO DISCUSSES FUTURE DIRECTIONS, INCLUDING ADAPTIVE DBS SYSTEMS. NEUROSURGEONS AND NEUROLOGISTS WILL FIND THIS AN AUTHORITATIVE SOURCE ON SURGICAL TREATMENT OPTIONS.

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