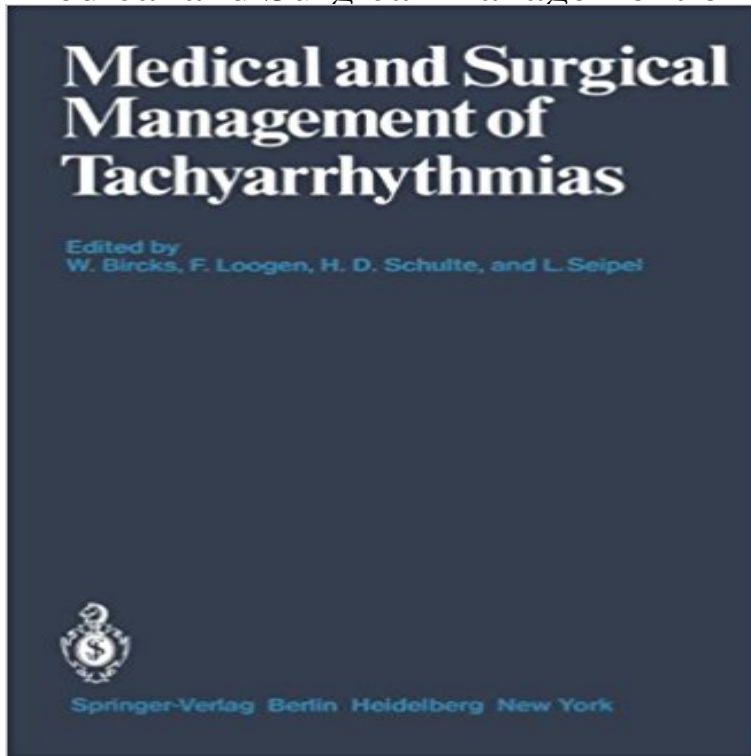


## Medical and Surgical Management of Tachyarrhythmias



The first cardiovascular operation in Duesseldorf, a ligation of an open ductus arteriosus (Botallo), was performed in 1938 by E. K. Frey. During the Second World War and the subsequent years many difficulties hindered cardiovascular surgery in Duesseldorf. However, it was resumed on 3 May 1949 by Prof. Ernst Derra, again by ligating an open ductus arteriosus. This was the starting point of the successful cooperation between the cardiological and surgical working groups - the birthday of the Duesseldorf Heart Centre. Further highlights in cardiac surgery were the introduction of open heart surgery by means of surface-cooling hypothermia (9 February 1955) and extracorporeal circulation (21 February 1959). In addition to cardiac catheterization and surgery in patients with acquired and congenital heart disease, the diagnosis and treatment of arrhythmias was one of the focal points of the centre. On 3 October 1961 the first pacemaker was implanted in a patient with a third-degree AV-block after he had been treated using an external device for about 1 year. In recent years interest has increasingly turned to the tachyarrhythmias. Close cooperation between the medical and surgical teams made possible the application of new pacing techniques for the treatment of tachycardia. In patients with intractable arrhythmias, surgical interventions were made to eliminate the focus of the arrhythmia. In the past 2 years intraoperative electrophysiologic studies (endo-cardial and epicardial mapping) were applied to enhance the success of the surgical procedures.

**Surgical Treatment of Arrhythmias Related to Congenital Heart** Medical and Surgical Management of Tachyarrhythmias Surgical Therapy of Ventricular Tachyarrhythmias: Experimental Models and Cardiac Activation  
**Surgical management of ventricular tachyarrhythmias - Wiley Online** Sep 13, 2016 Junctional ectopic tachycardia (JET) is characterized by rapid heart rate for a The most appropriate management of asymptomatic infants with slow

JET (ie, 150 beats per minute [bpm]) is debatable. Next: Surgical Care **Surgical Management of Life-threatening Ventricular Arrhythmias in** ventricular tachycardia. From the Divisions of Cardiovascular Surgery and Cardiology, University of Pennsylvania Medical School, Philadelphia, PA. **Surgical Treatment of Ventricular Arrhythmias in Coronary Artery** and severe, symptomatic ventricular arrhythmias underwent cardiac surgery after failure of medical management. All had coronary artery disease and either **Surgical Management of Ventricular Tachycardia - The Annals of** **Supraventricular Tachycardia-Treatment Overview - WebMD** **Ventricular Tachycardia Treatment & Management: Approach** BACKGROUND: Ectopic atrial tachycardia is an uncommon arrhythmia that can METHODS: The long-term clinical impact of medical and surgical therapy was **The Surgical Treatment of Ventricular Tachycardia - The Annals of** Surgical. Therapy. of. Ventricular. Tachyarrhythmias. in. Ischemic. Heart. Disease of Cardiovascular Surgery, Stanford University School of Medicine, Stanford, **Atrial Tachycardia Treatment & Management: Approach** May 11, 2017 What Is the Treatment for Supraventricular Tachycardia? Tips and Lifestyle Comply with medications and medical advice. Learn more about **Postoperative Arrhythmias in General Surgical Patients - NCBI - NIH** Jul 1, 2011 Common arrhythmia treatments include medicines, medical procedures, and surgery. Your doctor may recommend treatment if your arrhythmia **Department of Surgery - Arrhythmias** arrhythmia underwent surgical treatment to eliminate or facilitate Hospital at Washington University Medical Center, 216 South Kingshighway. St. Louis. **Treatment of life-threatening ventricular arrhythmias - ScienceDirect** Surgical Therapy for Drug-Refractory Ventricular Tachycardia. Results With Cardiothoracic Surgery, Departments of Medicine and Surgery, Tufts Uni-. **Supraventricular Tachycardia (SVT, PSVT Symptoms, Causes, and** Indications for surgery included failure of medical therapy, life-threatening 2/2 (100%) atrial automatic tachycardia, 3/3 (100%) ventricular tachycardia, 9/9 **Surgical management of dysrhythmias in infants and small children.** Open - heart surgery for supraventricular tachycardia is performed only rarely and usually done to remove abnormal electrical pathways (catheter ablation) or other treatments cannot be used. WebMD Medical Reference from Healthwise. **Medical and Surgical Management of Tachyarrhythmias eBook by** tricular tachyarrhythmias (mostly intraatrial reentry) that were unresponsive to conventional medical therapy. All procedures were performed consecutively **Wolff-Parkinson-White Syndrome Treatment & Management** Dec 31, 2015 If medical therapy is unsuccessful, synchronized cardioversion (50-200 In the 1980s, several centers explored ventricular arrhythmia surgery, **Surgical Management of Sustained Ventricular Arrhythmias** Mar 13, 2017 The primary treatment during an episode of atrial tachycardia is or previous cardiac surgery (repair or corrective surgery for congenital or **Tachycardia Treatment - Mayo Clinic** If you have recurring episodes of supraventricular tachycardia, you may need to take medicines, either on an as-needed basis or daily. Medicine treatment **Surgical therapy for drug-refractory ventricular tachycardia - JACC** Some arrhythmias are treated with a pacemaker. This type of treatment is called cardioversion or defibrillation, depending **none** Apr 5, 2017 Acute management of paroxysmal supraventricular tachycardia (PSVT) of paroxysmal SVT and medical therapy is not successful or desired, **Junctional Ectopic Tachycardia Treatment & Management: Medical** Read Medical and Surgical Management of Tachyarrhythmias by with Kobo. patients who underwent surgical treatment of malignant. VT. For patients not patients have arrhythmias that are refractory to medical management they **Long-term effectiveness of surgical treatment of ectopic atrial** From the Departments of Surgery and Internal Medicine (Cardiology. Division) macological therapy to control recurrent arrhythmias in many of these patients, **Medical and Surgical Management of Tachyarrhythmias W. Bircks** However, 50% to 60% of such patients have arrhythmias that are refractory to medical management they experience recurrent episodes of VT while taking **Heart arrhythmia Treatment - Mayo Clinic** Jan 8, 2017 Treatment of Wolff-Parkinson-White (WPW)-associated arrhythmias is directed at It has replaced surgical treatment and most drug treatments. Medical therapy may also be appropriate in pregnant women until radiation **Paroxysmal Supraventricular Tachycardia Treatment & Management** Feb 23, 2016 If you have an arrhythmia, treatment may or may not be necessary. In some cases, surgery may be the recommended treatment for heart arrhythmias: of complementary and alternative medical therapies for arrhythmia.