PHILIPS

Philips Mobile Cardiac Telemetry – MCOT Clinical Evidence

1	First Experiences	"First Experience with Mobile Cardiac Outpatient Telemetry (MCOT) System for the Diagnosis and Management of Cardiac Arrhythmias" Joshi, Ajay et al, The American Journal of Cardiology Vol 95, Num 7, April 2005
2	Efficacy	"The Diagnosis of Cardiac Arrhythmias: A Prospective, Multi-Center, Randomized Study Comparing Mobile Cardiac Outpatient Telemetry versus Standard LOOP Event Monitoring" Steven A. Rothman et al, M.D., <i>Journal of Cardiovascular Electrophysiology, Vol. 18, Number 3,</i> <i>March 2007</i>
3	Efficacy	"Utility of Mobile Cardiac Outpatient Telemetry for the Diagnosis of Palpitations, Presyncope, Syncope, and the Assessment of Therapy Efficacy" Olson, Jeffrey et al, Journal of Cardiovascular Electrophysiology, Vol 18, No 5, May 2007.
4	Efficacy	"The Importance of Mobile Cardiac Outpatient (MCOT) Telemetry for the Detection of Cardiac Arrhythmias" Rothman, Stephen, EP Lab Digest, May 2007
5	Efficacy	"Detecting and Treating Urgent Asymptomatic Arrhythmias with Mobile Cardiac Outpatient Telemetry (MCOT): Interview with Robert M. Sangrigoli, MD, Doylestown Memorial Hospital" EP Lab Digest, Vol. 4, No. 5 May 2004
6	Efficacy	"Mobile Cardiac Outpatient Telemetry (MCOT) Detects High Incidence of Potentially Serious Cardiac Rhythm Disturbance (CRD's), most of which are Asymptomatic and occur >24 Hours After Initiation of Monitoring." Goldman et al, Preventative Cardiovascular Nurses Association Annual Symposium, March 2011
7	Efficacy	"Diagnostic Yield of Asymptomatic Arrhythmias Detected by Mobile Cardiac Outpatient Telemetry and Autotrigger Looping Event Cardiac Monitors" Derkac, Wayne et al, doi:10.1111/jce.13342
8	AF Rate/Rhythm Control	"Assessment of Rhythm and Rate Control in Patients with Atrial Fibrillation" Prystowsky, Eric et al, Journal of Cardiovascular Electrophysiology, Vol 17, Suppl. 2, September 2006
9	Rhythm Control	Utility of Noninvasive, Continuous Outpatient Cardiac Rhythm Monitoring to Diagnose Prolonged Asystole in Patients with Seizure Disorder" Driver, Kevin et al, Pacing and Clinical Electrophysiology, Vol 32, July 2009
10	Post Catheter Ablation	Symptomatic and Asymptomatic Atrial Fibrillation in patients undergoing Radiofrequency Catheter Ablation" Vasamereddy, Chandrasekhar et al, Journal of Cardiovascular Electrophysiology (JCE), Vol 17, February 2006
11	Post Catheter Ablation	"Incidence of Asymptomatic Atrial Fibrillation Recurrence Post Pulmonary Vein Isolation Using a Novel Continuous Event Monitoring System" Tarakji et al, <i>HRS 2005</i>

PHILIPS

Philips Mobile Cardiac Telemetry – MCOT Clinical Evidence

12	Post Catheter Ablation	"Atrial Arrhythmia Burden on Long-Tern Monitoring in Asymptomatic Patients Late After Atrial Fibrillation Ablation" Winkle, Roger et al, American Journal of Cardiology; 110:840-844, May 2012
13	Pediatric Efficacy	"Initial Experience with Novel Mobile Cardiac Outpatient Telemetry for Children and Adolescents with Suspected Arrhythmia" Saarel et al, Congenital Heart Disease. 2008;3:33-38
14	Cryptogenic Stroke	"Prolonged Rhythm Monitoring for the Detection of Occult Paroxysmal Atrial Fibrillation in Ischemic Stroke of Unknown Cause" Raymond C.S. et al, <i>Circulation. 2011;124:477-486</i>
15	Cryptogenic Stroke	"Atrial Fibrillation Detected by Mobile Cardiac Outpatient Telemetry in Cryptogenic TIA or Stroke" Tayal et al, <i>Neurology, Volume 71, November 2008</i>
16	Cryptogenic Stroke	"Outpatient Cardiac Telemetry Detects a High Rate of Atrial Fibrillation in Cryptogenic Stroke," Miller, Daniel J et al, Journal of the Neurological Sciences, Volume 324, January 2013
17	Cryptogenic Stroke	"Paroxysmal Atrial Fibrillation Detected by Prolonged Ambulatory Cardiac Monitoring in Patients with Cryptogenic Stroke: A Case-Control Study," Rabinstein, Alejandro A, Fugate, Jennifer A et al, <i>Journal of Stroke and Cerebrovascular Diseases, November 2013</i>
18	Cryptogenic Stroke	"Timing of Mobile Cardiac Outpatient Telemetry May Increase Diagnostic Yield of Atrial Fibrillation in Select Patients with Cryptogenic Strokes" Kandel, Amit, International Stroke Conference Moderated Poster Abstracts, February 2012
19	Cryptogenic Stroke	"Randomized Trial of Outpatient Cardiac monitoring after Cryptogenic Stroke," K amel, Hooman, et al, Univ of California, San Francisco, CA, <i>International Stroke Conference Moderated</i> <i>Poster Abstracts, February 2012</i>
20	Cryptogenic Stroke	"Indecision in the Clinical Practice of Anticoagulation for Brief Atrial Arrhythmias after Cryptogenic Stroke," Khan, Muhib, Miller, Daniel J, and Schultz, Lonnie, Journal of Stroke and Cerebrovascular Diseases, Volume 22, Issue 8, November 2013
21	Cryptogenic Stroke	"Predictors of Finding Occult Atrial Fibrillation After Cryptogenic Stroke," Favilla, Christopher G, et al, STROKE; first published on April 7 2015 as doi:10.1161/ STROKEAHA.114.007763
22	Cryptogenic Stroke	"Diagnosis of atrial fibrillation after stroke and transient ischaemic attack: a systematic review and meta-analysis," Sposato Luciano A, et al, Lancet Neurology; published online on March 4, 2015, http://dx.doi.org/10.1016/S1474-4422(15)70027-X
23	Symptom/ Rhythm Correlation	"Absence of Correlation Between Symptoms and Rhythm in 'Symptomatic' Atrial Fibrillation" Mehall et al, Society of Thoracic Surgeons, Jan 2007



Philips Mobile Cardiac Telemetry – MCOT Clinical Evidence

24	Symptom/ Rhythm Correlation	"Syncope: Therapeutic Approaches." Benditt, D., Nguyen, J. Journal of the American College of Cardiology, Volume 53, Issue 19. June 2009
25	Post Maze Procedure	"How Reliable is Asymptomatic Patient Rhythm Perception Following Maze Procedure?" Ad et al, <i>Heart Rhythm Society Annual Conference, May 2008</i>
26	Post Surgical Ablation	"The Multi purse string maze procedure: A New Surgical Technique to Perform the Full Maze Procedure without Atriotomies." Ad, N, Journal of Thoracic and Cardiovascular Surgery, Vol 134, Issue 3, September 2007
27	Post Surgical Ablation	"Where Does Atrial Fibrillation Surgery Fail? Implications for Increasing Effectiveness of Ablation." McCarthy, P., Et Al., Journal of Thoracic and Cardiovascular Surgery, Vol 139, Issue 4. April
28	Post Surgical Ablation	"The Cox-Maze III Procedure Success Rate: Comparison by Electrocardiogram, 24-Hour Holter Monitoring and Long-Term Monitoring." Ad et al, <i>The Annals of Thoracic Surgery, Vol 88, Number 1, July 2009</i>
29	Post Surgical Ablation	"Minimally Invasive Cryo-Maze for Concomitant Atrial Fibrillation: Mid-Term Results using CardioNet Home Monitoring Testing." Stevens et al, ISMICS Annual Conference, June 2009
30	Post Surgical Ablation	"Minimally Invasive CryoMAZE for Lone Atrial Fibrillation." Rodriquez et al, Heart Rhythm Society Annual Conference, May 2009
31	Post Surgical Ablation	"The Success Rate Following Maze III Procedure: A Comparison Between EKG, 24 Hour Holter And Long Term Monitoring." Henry et al, Heart Rhythm Society Annual Conference, May 2009
32	Post Surgical Ablation	"Intermediate-term Outcomes of Surgical Atrial Fibrillation Correction with the CryoMaze Procedure." Gammie et al, The Annals of Thoracic Surgery, Vol 87, Issue 5, May 2009
33	Post Surgical Ablation	"The Success Rate Following Maze III Procedure: A Comparison Between EKG, 24 Hours Holter, and Long-Term Monitoring." Ad et al, Society of Thoracic Surgeons Annual Meeting, 2009
34	Post Surgical Ablation	"Totally Thoracoscopic Bipolar Radiofrequency Ablation for the Treatment of Atrial Fibrillation." Longoria et al, Society of Thoracic Surgeons Annual Meeting, 2009

Philips Mobile Cardiac Telemetry – MCOT Clinical Evidence

35	Post Surgical Ablation	"Cryo-Maze for Concomitant Atrial Fibrillation: Mid Term Results Using CardioNet Home Monitoring." Rodriquez et al, <i>Meeting of the Pennsylvania Association of Thoracic Surgeons, Oct 2008</i>
36	Post Surgical Ablation	"Toward a Definitive, Totally Thoracoscopic Procedure for Atrial Fibrillation." Sirak et al, The Annals of Thoracic Surgery, Dec 2008
37	Post Surgical Ablation	"Video-Assisted Bilateral Pulmonary Vein Isolation and Left Atrial Appendage Exclusion for Atrial Fibrillation" Wolf, Randall, et al, <i>Journal Thoracic and Cardiovascular Surgery, Vol 130, Num 3, September 2005</i>
38	Post Surgical Ablation	"Surgical Correction of Atrial Fibrillation With the Procedure: Long Term Outcomes Assessed With Continuous Outpatient Telemetry." Gammie et al, Southern Thoracic Surgical Association 55th Annual Meeting, Nov 2008
39	Sleep Disorder (CVHR)	"Feasibility of Using Cardiac Outpatient Telemetry to Identify Patients at High Risk of Severe Sleep-Disorders." Bornemann et al, The Associate Professional Sleep Societies Annual Meeting, Jun 2009
40	Sleep Disorder (CVHR)	"A comparison of Automatically-Detected and Manually Over read Detection of Cyclic Variation of Heart Rate from Cardiac Outpatient Telemetry for the Identification of Patients with Severe Sleep-Disorders." Stein et al, The Associate Professional Sleep Societies Annual Meeting, Jun 2009
41	Sleep Disorder (CVHR)	"Feasibility of Using Mobile Cardiac Outpatient Telemetry to Identify Severe Sleep Disorders." Stein et al, <i>Heart Rhythm Society Annual Conference, May 2009</i>

PHILIPS