

Clinical Practice Committee Statement:

Telemetry Bed Usage for Patients with Low Risk Chest Pain
(4/11/2011)

References:

- 1) Pitts SR, Niska RW, Xu J, Burt CW. National Hospital Ambulatory Medical Care Survey: 2006 emergency department summary. *Natl Health Stat Report* 2008; 7:1-38.
- 2) Lee TH, Goldman L. Evaluation of the patient with acute chest pain. *N Engl J Med* 2000; 342: 1187-95.
- 3)Henriques-Forsythe MN, Ivonye CC, Jamched U, et al. Is Telemetry Overused? Is it as helpful as thought? *Clev Clin J Med* 2009; 76:368-372.
- 4) Chen EH and Hollander JE. When Do Patients Need Admission To A Telemetry Bed? *J Emerg Med* 2007; 33:53-59.
- 5) Drew BJ, Califf RM, Funk M, et al. Practice standards for electrocardiographic monitoring in hospital settings. *Circulation* 2004; 110:2721-46.
- 6) Amsterdam EA, Kirk JD, Bluemke DA, et al. Testing of low-risk patients presenting to the emergency department with chest pain. *Circulation* 2010; 122:756-76.
- 7) Goldman L, Cook EF, Johnson PA, et al. Prediction of the need for intensive care in patients who come to emergency departments with acute chest pain. *N Engl J Med* 1996; 334:1498-1504.
- 8) Estrada CA, Rosman HS, Prasad NK, et al. Role of Telemetry monitoring in the non-intensive care unit. *Am J Card* 1995; 76:960-965.
- 9) Hollander JE, Sites FD, Pollack CV Jr, Shofer FS. Lack of utility of telemetry monitoring for identification of cardiac death and life-threatening ventricular dysrhythmias in low-risk patients with chest pain. *Ann Emerg Med* 2004; 43:71-6.
- 10) Durairaj L, Reilly B, Das K, et al. Emergency Department admissions to inpatient cardiac telemetry beds: A prospective cohort study of risk stratification and outcomes. *Am J Med* 2001; 110: 7-11.
- 11) Saleem MA, McClung JA, Aronow WS, et al. Inpatient Telemetry Does Not Need To Be Used In The Management Of Older Patients Hospitalized With Chest Pain At Low Risk For In-Hospital Coronary Events And Mortality. *J Geron* 2005: 60:605-606.
- 12)O'Neill DR. Low-risk classified chest pain patients: Do they need cardiac monitoring in the emergency department and can they be cared for in non-monitored beds? *Australian Emerg Nur J* 2007; 10:58-63.

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Reference #	Article Information	Grade	Quality
1	Pitts SR, Niska RW, Xu J, Burt CW. National Hospital Ambulatory Medical Care Survey: 2006 emergency department summary. Natl Health Stat Report 2008; 7:1-38.	D: Retrospective	Good
2	Lee TH, Goldman L. Evaluation of the patient with acute chest pain. N Engl J Med 2000; 342: 1187-95.	D: Review Article	Good
3	Henriques-Forsythe MN, Ivonye CC, Jamched U, et al. Is Telemetry Overused? Is it as helpful as thought? Clev Clin J Med 2009; 76:368-372.	D: Review Article	Good
4	Chen EH and Hollander JE. When Do Patients Need Admission To A Telemetry Bed? J Emerg Med 2007; 33:53-59.	D: Review Article	Good
5	Drew BJ, Califf RM, Funk M, et al. Practice standards for electrocardiographic monitoring in hospital settings. Circulation 2004; 110:2721-46.	D: Consensus Guidelines	Adequate
6	Amsterdam EA, Kirk JD, Bluemke DA, et al. Testing of low-risk patients presenting to the emergency department with chest pain. Circulation 2010; 122:756-76.	D: Consensus Guidelines	Good
7	Goldman L, Cook EF, Johnson PA, et al. Prediction of the need for intensive care in patients who come to emergency departments with acute chest pain. N Engl J Med 1996; 334:1498-1504.	A: Multi-Center Validated Study	Outstanding
8	Estrada CA, Rosman HS, Prasad NK, et al. Role of Telemetry monitoring in the non-intensive care unit. Am J Card 1995; 76:960-965.	C: Prospective Study	Good
9	Hollander JE, Sites FD, Pollack CV Jr, Shofer FS. Lack of utility of telemetry monitoring for identification of cardiac death and life-threatening ventricular dysrhythmias in low-risk patients with chest pain. Ann Emerg Med 2004; 43:71-6.	C: Prospective Study	Outstanding
10	Durairaj L, Reilly B, Das K, et al. Emergency Department admissions to inpatient cardiac telemetry beds: A prospective cohort study of risk stratification and outcomes. Am J Med 2001; 110: 7-11.	C: Prospective Study	Good

11	Saleem MA, McClung JA, Aronow WS, et al. Inpatient Telemetry Does Not Need To Be Used In The Management Of Older Patients Hospitalized With Chest Pain At Low Risk For In-Hospital Coronary Events And Mortality. J Geron 2005; 60:605-606.	D: Retrospective	Adequate
12	O'Neill DR. Low-risk classified chest pain patients: Do they need cardiac monitoring in the emergency department and can they be cared for in non-monitored beds? Australian Emerg Nur J 2007; 10:58-63.	D: Review Article	Adequate