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## The Pulmonary Artery Catheter in Anesthesia Practice in 2007: An Historical Overview With Emphasis on the Past 6 Years

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[What is This?](#)

**Historical Overview : 1970-2000**

T PAC S , G , <sup>2</sup>  
1970. T  
1976,  
2-  
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,<sup>3,4</sup>  
O  
-  
,  
(ICU) ,











PAC<sup>32( 472)</sup>  
 E , -  
 1997 1999, R  
 33  
 PAC  
 PAC 1  
 ' ICU. T  
 PAC ( = 95) -  
 ( = 106). T -  
 PAC (46/95,  
 47.9%) (50/106, 47.6) (95% -  
 , 13% 14%,  $P >$   
 .99). T -  
 PAC 41 91 (45%, 95%  
 . 11% 16%,  $P = .77$ ). T PAC -  
 24 (4953 4292)  
 (35%  
 20% 3 ,  $P < .05$ )  
 ( $P < .03$ ). A  
 PAC  
<sup>33( 256)</sup>  
 PAC  
 I , 198 E  
 ICU S O  
 A I P S , 3147 -  
 1 ICU M 1,  
 2002, M 15, 2002, ICU  
 PAC ICU  
 , 60 .<sup>34</sup> P -  
 ,  
 , 481 (15.3%) . O 3147  
 PAC. P  
 PAC ,  
 , F  
 2 . ICU -  
 PAC  
 (28.1% 16.8% 32.5% 22.5%,  
 $P < .001$ ). H , PAC ;



Ad l Re i a o Di e

A (36 )  
676 1999 2001 -  
F  
PAC  
(ARDS),  
<sup>37</sup> P  
PAC ( = 335) (

T ICU 28 .  
 , PAC CVC .

**Why Do PAC Fail in Intensive Care Patients?  
 What are the Causes?**

**Patient Selection**

T PAC  
 . I  
 ,  
 . F  
 ,  
 9,10,12  
 ,  
 7,8,10-12  
 ,  
 27-29  
 - ( , <3%)  
 . B  
 l ,  
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 ,  
 - ,  
 .  
 A  
 , ARDS, -  
 . T  
 ( , >40%)  
 -  
 PAC. T  
 . F - ,  
 ,  
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 ,  
 ,  
 ,  
 ,  
 . A PAC

; - ; LV ,  
 O PAOP PAOP LVEDP .A ,  
 PAC ,  
 PAOP, CO ,<sup>51</sup> I PAC (PAOP) ,  
 CO.A PAOP, H , LVEDP.  
 , PAOP CO - H , LVEDP, PAOP -  
 , .A  
 PAC ; PAC 1,  
 . H , - .5274 -1.  
 ,  
 . D PAOP  
 , .T  
 . T  
 PAC  
 E - PAC  
 - (RVEDV)  
 LVEDV 2 3  
 ,<sup>52</sup> PAC- RVEDV





A 2002, PAC  
 .<sup>67</sup> H , , -  
 PAC  
 N ,  
 R .  
 -  
 T  
 . A PAC  
 PAC  
 ,  
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A , , -  
 , , -  
 PAC .  
 F , PAC  
 ICU,  
 600  
 APACHE II 16.5, 5  
 PAC  
 134 8 ,  
 ICU ,  
 APACHE II ( F 1).  
 T 2

**Reference**

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M ):  
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(PAC-  
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