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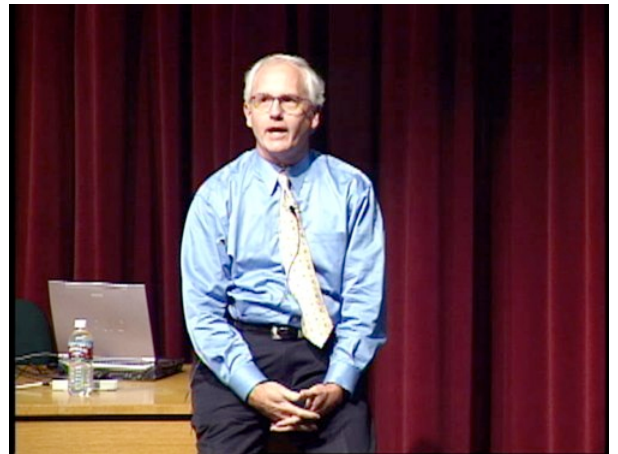
Using Stents as Drug Delivery System

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Video URL: <http://ecorner.stanford.edu/videos/448/Using-Stents-as-Drug-Delivery-System>

Yock talks about further developments moving from radiations to using drugs with the stents as a carrying mechanism. This is a blockbuster idea which has dropped the recurrence rate from 20% to essentially 0.



Transcript

But this is an example of something I'm going to discuss with you in just a second. It's a little bit cumbersome to take radiation therapy into the cath lab and at the same time that that was happening, another group of people were saying, "Well you know, so okay this is a little bit like a cancer but let's do something easier than radiation. Let's use a drug." And in fact the first drugs that were used were cancer-like drugs and the idea was let's put it on the stent. The stent is where the problem is so let's just a stent as a curing mechanism to deliver the drug. And these are from some early studies that were done in our laboratory with Simon Stertzer, Dr. Stertzer conducting the studies and you can see on the right, this drug called Paxil really eliminates the growth inside the stent. You can see sort of the struts of the metal stent on the right compared to a bare metal stent without drug. So, if some of you have been reading the Wall Street Journal or paying any attention what's going on in MedTech, this is an unbelievable blockbuster of an idea. So we're taking a recurrence rate of 20% and dropping it down to essentially 0.