OP-C-556 **Thursday, May 12, 2011, 09:25-09:45 am**
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SYNTHESIS OF BIODEGRADABLE NANO MOLECULAR IMPRINTED POLYMERSFOR DRUG DELIVERY SYSTEM

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Molecular imprinted polymer is a technique that is used to imprinting polymers for drugs and various molecular. In this research, we have used imprinting for Azathioprine drug. As most of the synthesis polymers are not biodegradable and are harmful for human body, we have synthesized nano polymers that biodegradable monomer and crosslinker have been used in it to inject it easily and without any toxic effects on human body. In this research, also, we have changed polymers dimensions up to nano, that with notice to this point that body capillaries are narrow and unability of micro polymers to cross this capillaries, this reducing of polymers dimensions up to nano will be most important aspect.