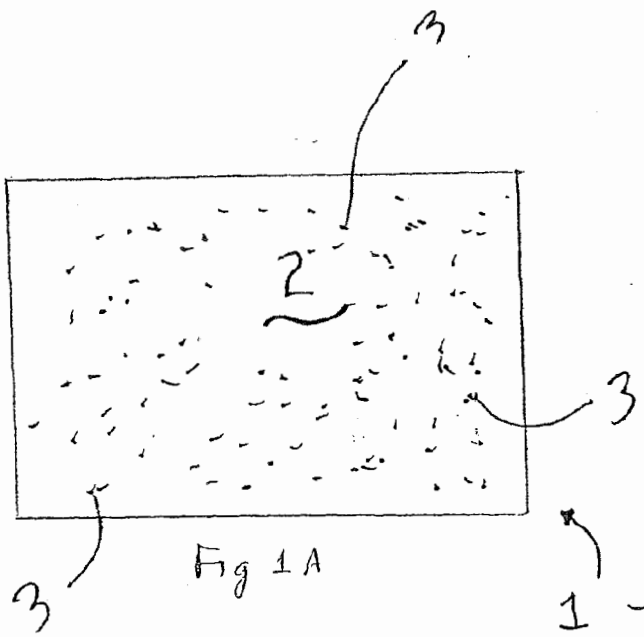


Fig 1A

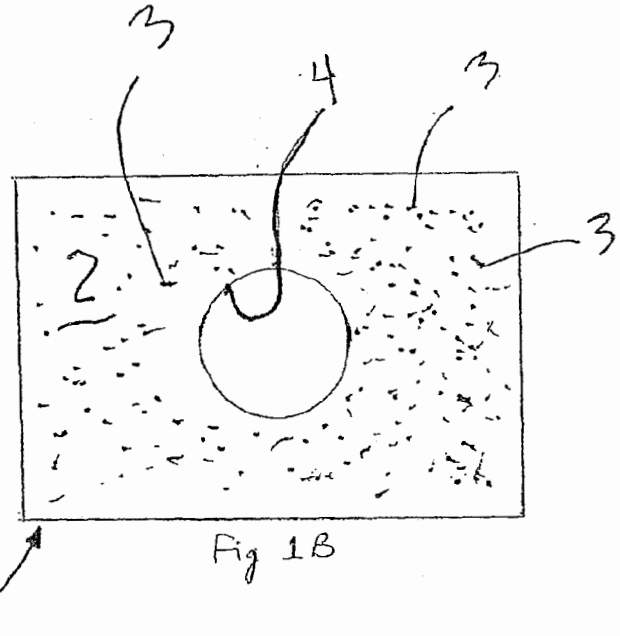


Fig 1B

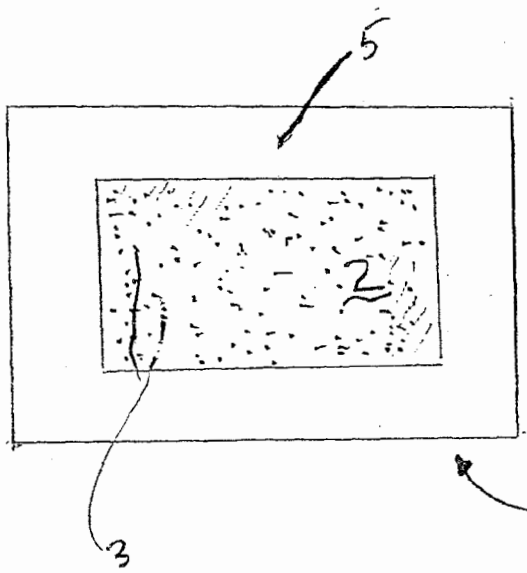


Fig. 2A

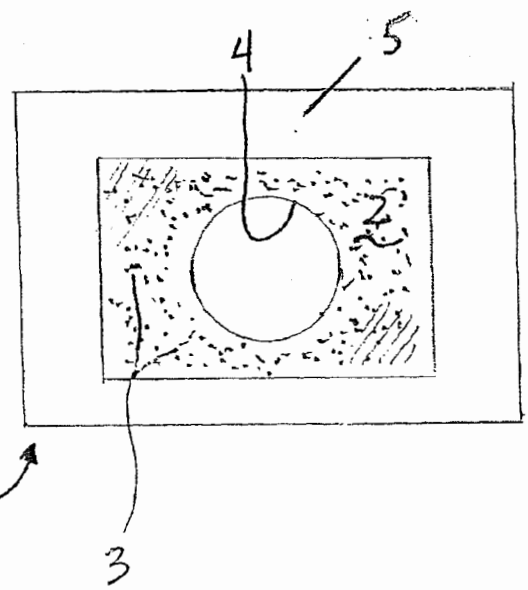
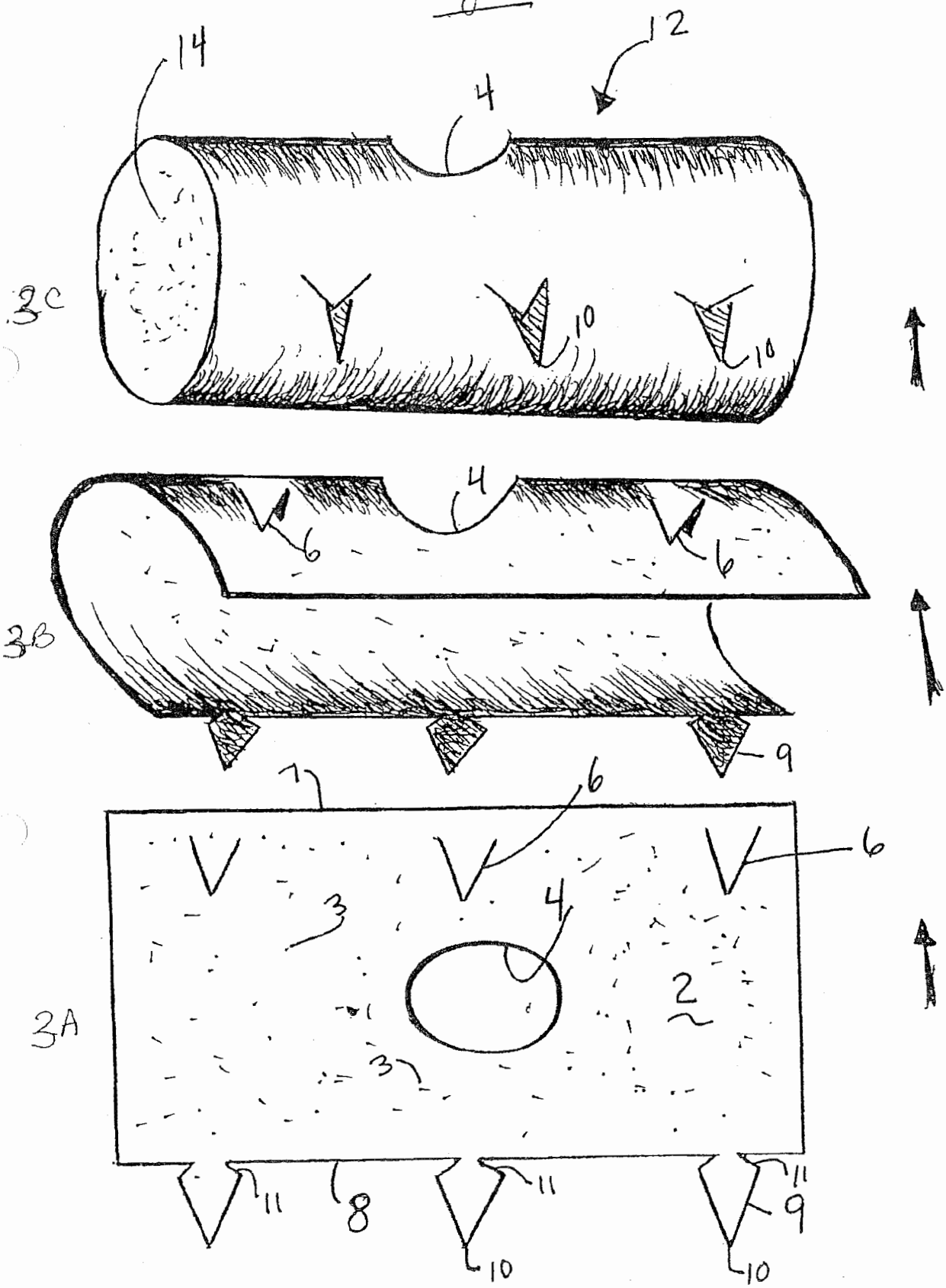


FIG. 2B.

Fig 3



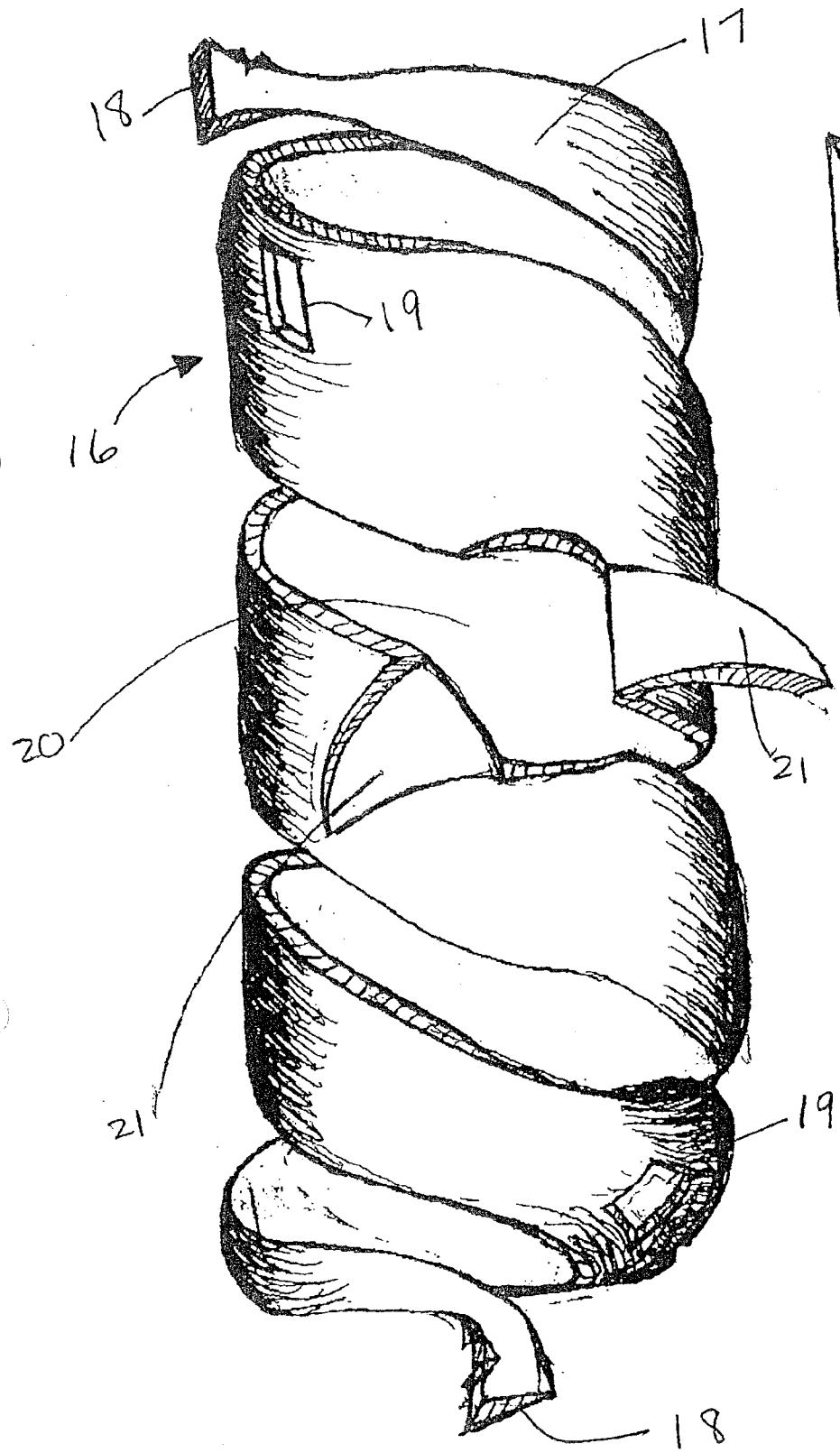


Fig 4A

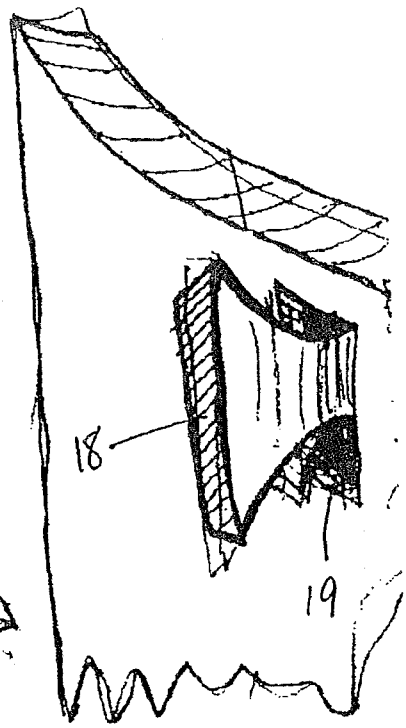


Fig 4B

FIG. 4

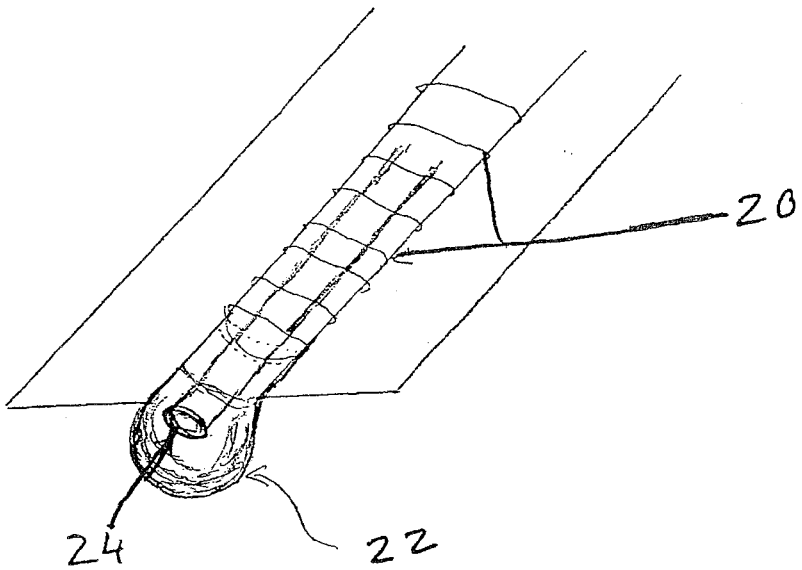


FIG. 5

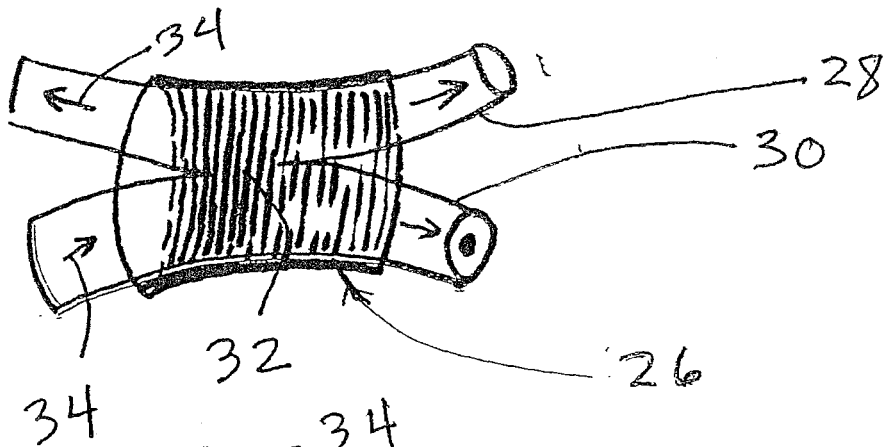


Fig6

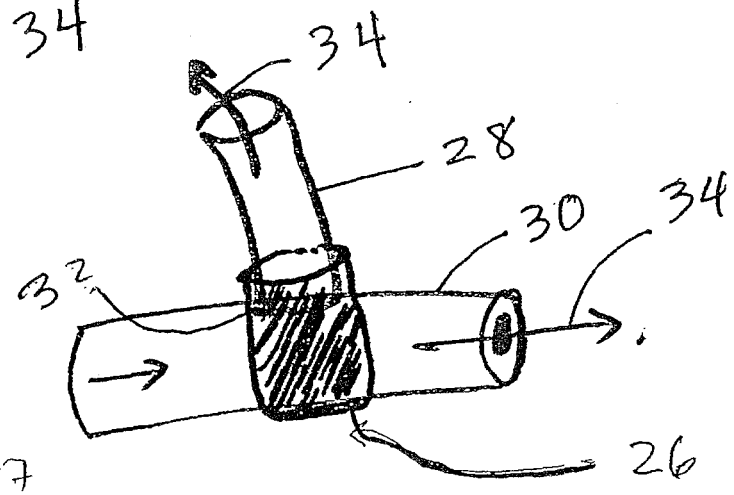


Fig7

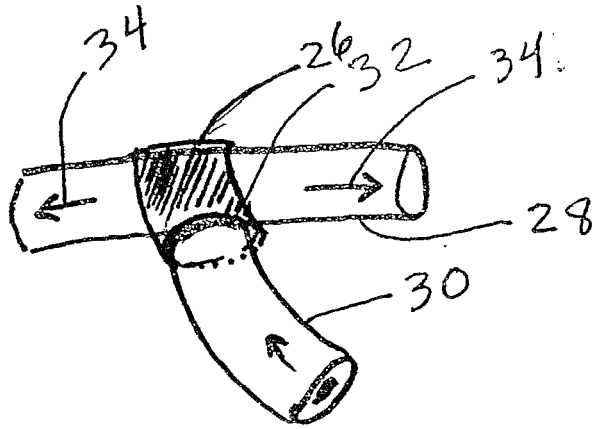


Fig8

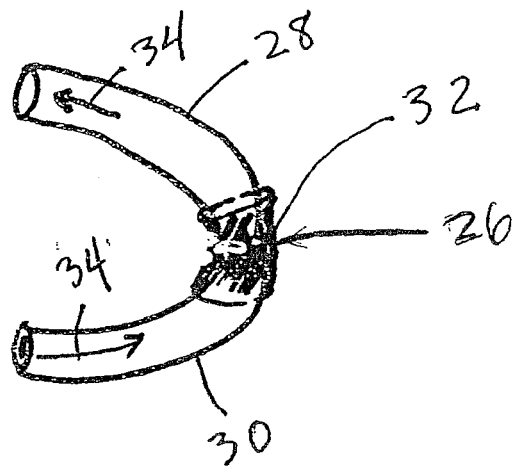


Fig9

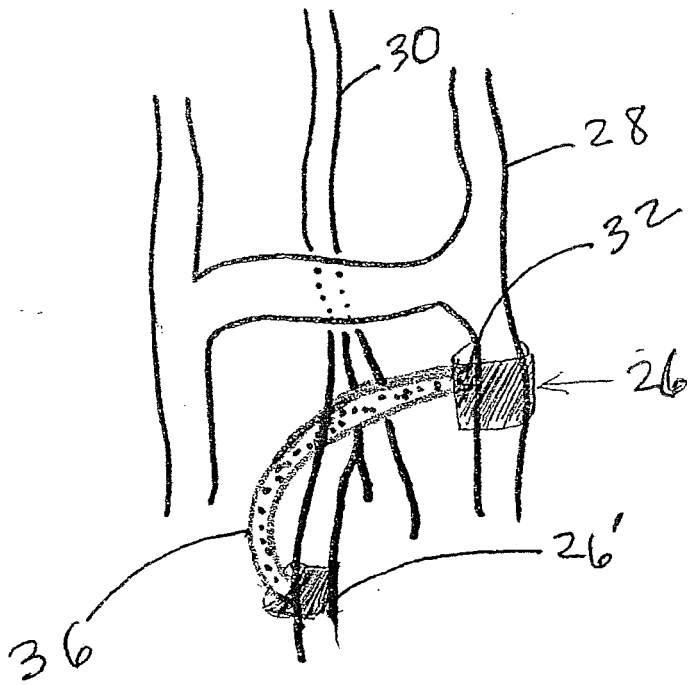


Fig 10

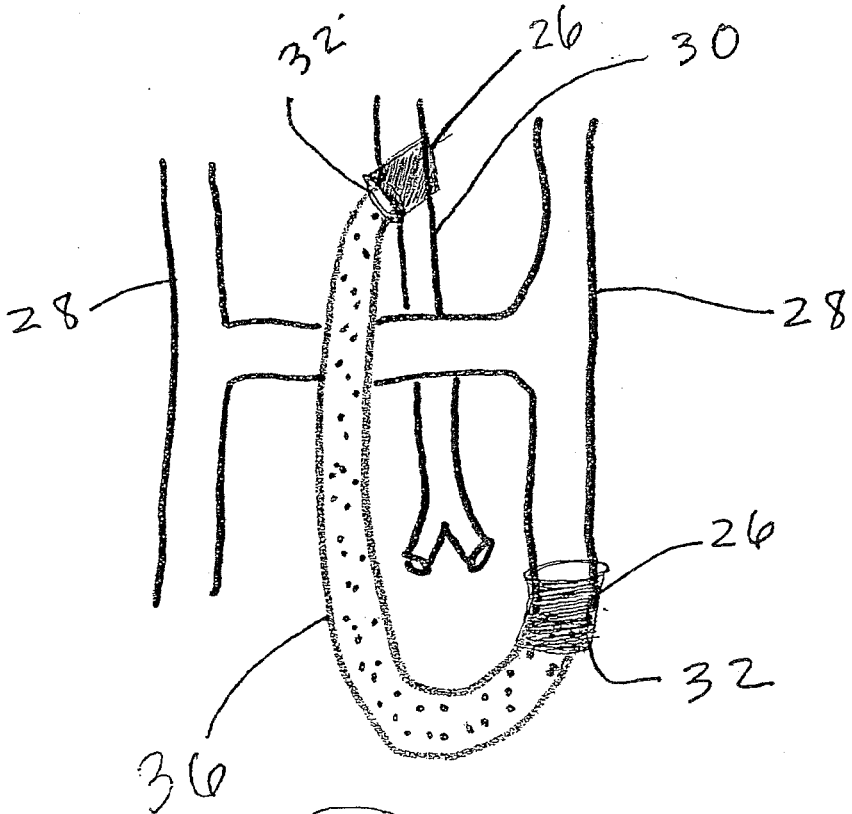


Fig 11

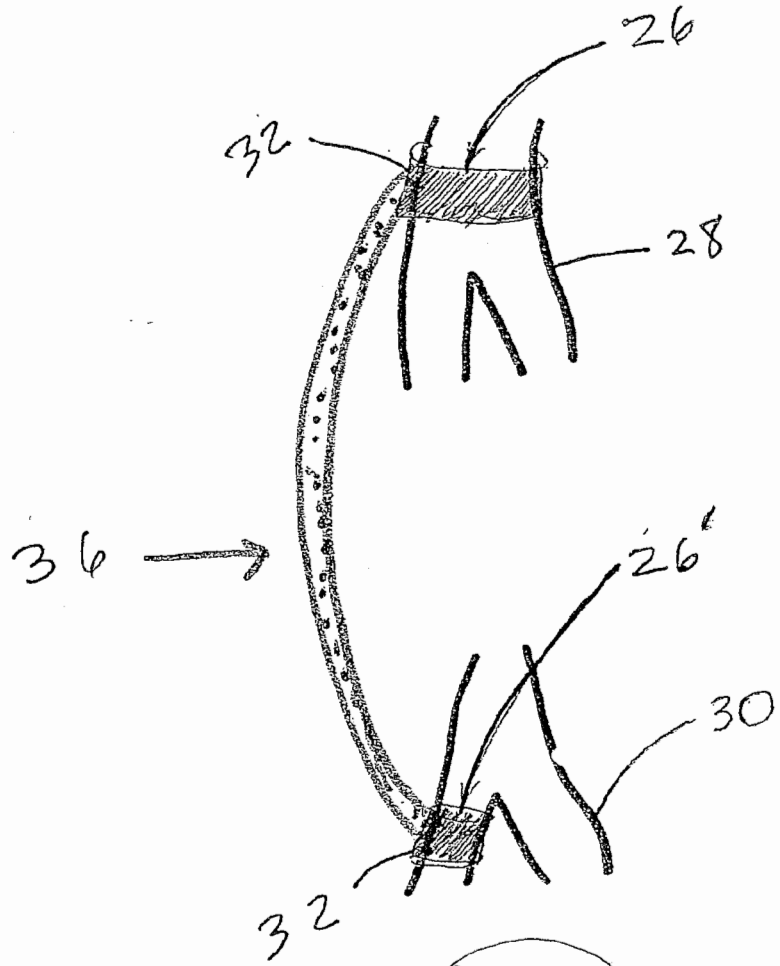


Fig 12

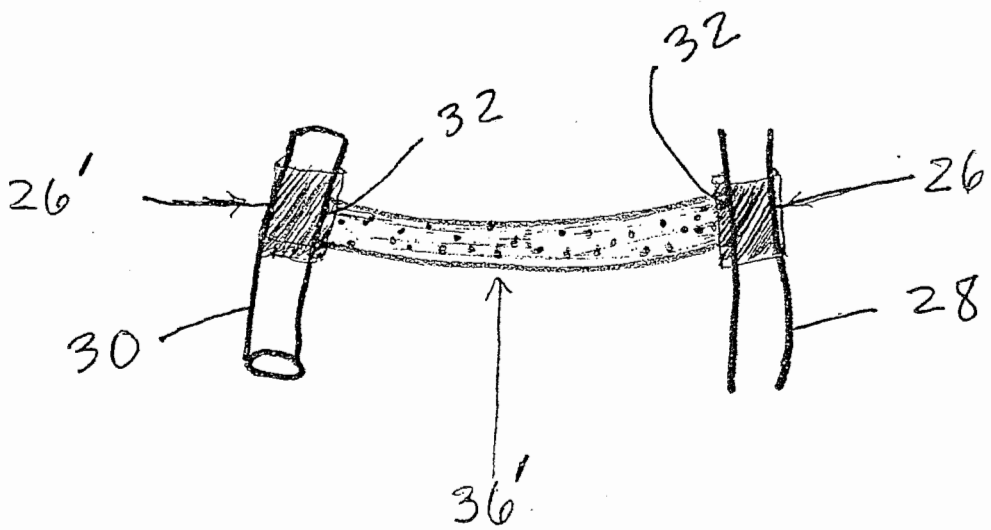


Fig 13

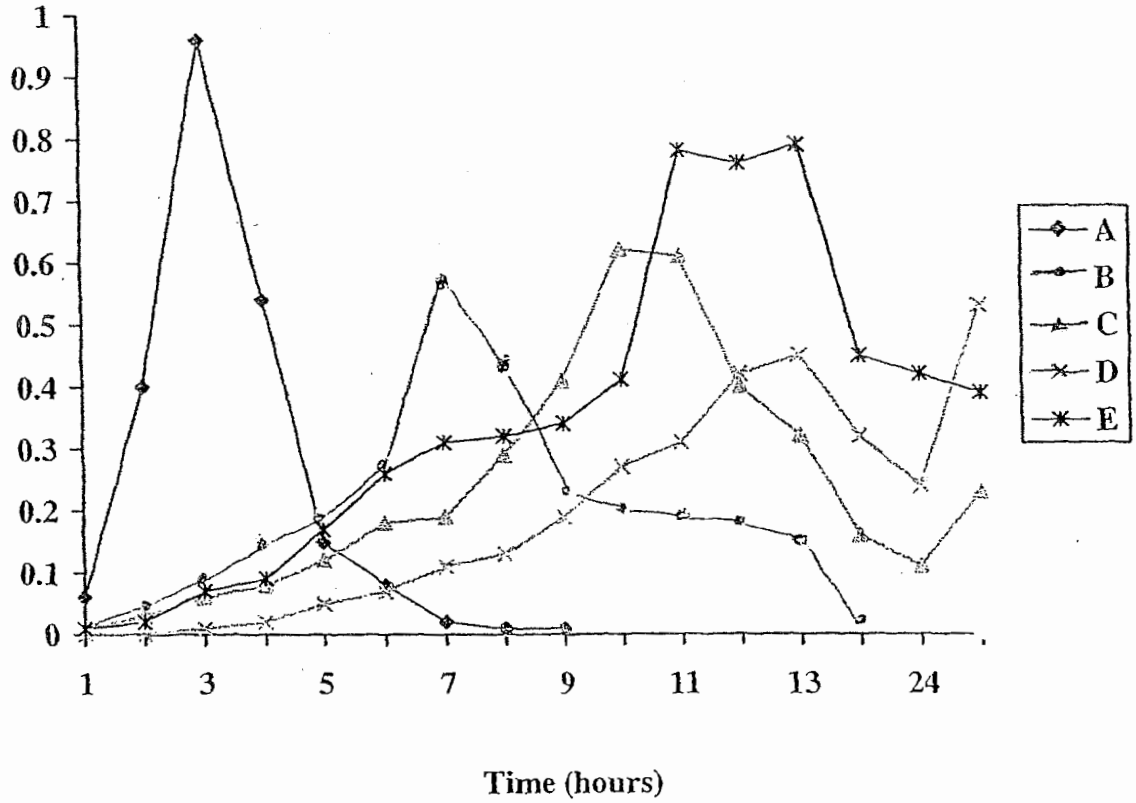


Figure14: Rate of release of collagen saturated with Tetracycline and rapamycin. Rapamycin was combined with collagen matrix using four different formats. Numbers on y –axis shows concentration of drug in micrograms per ml.

Legend: A = Collagen saturated with Tetracycline.

B = Collagen Saturated with Rapamycin

C = Rapamycin Dispersed throughout collagen

D = Collagen conjugated with Rapamycin

E = Combination of dispersed and conjugated forms of Rapamycin

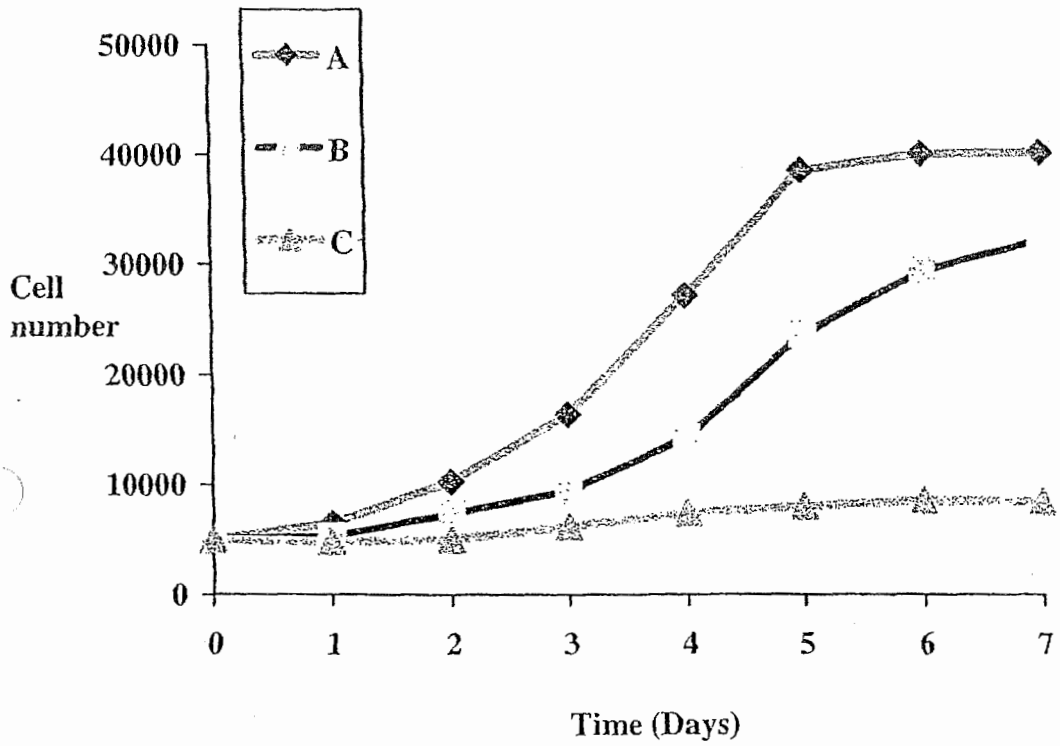


Figure15: Comparison of inhibition of growth of Smooth Muscle Cells using collagen matrices combined with different anti-proliferative agents. Numbers on y-axis denotes cell numbers.

Legend: A = Control

B = Collagen + Actinomycin D

C = Collagen + Rapamycin

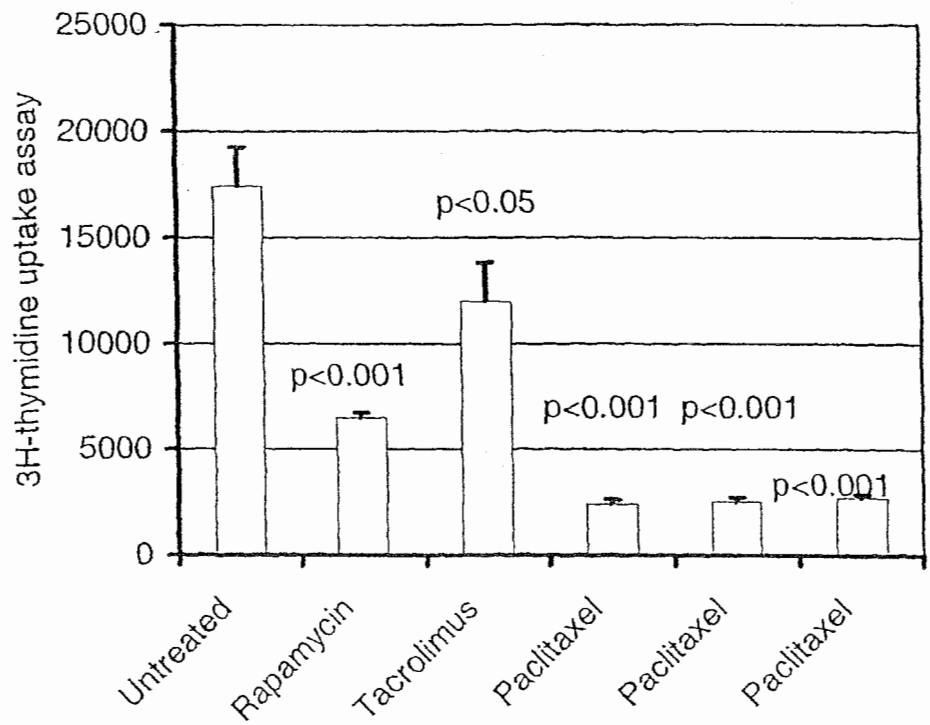


Figure 16: Comparison of Effect of Rapamycin, Tacrolimus and Paclitaxel(3 doses) on Human Smooth Muscle Cells

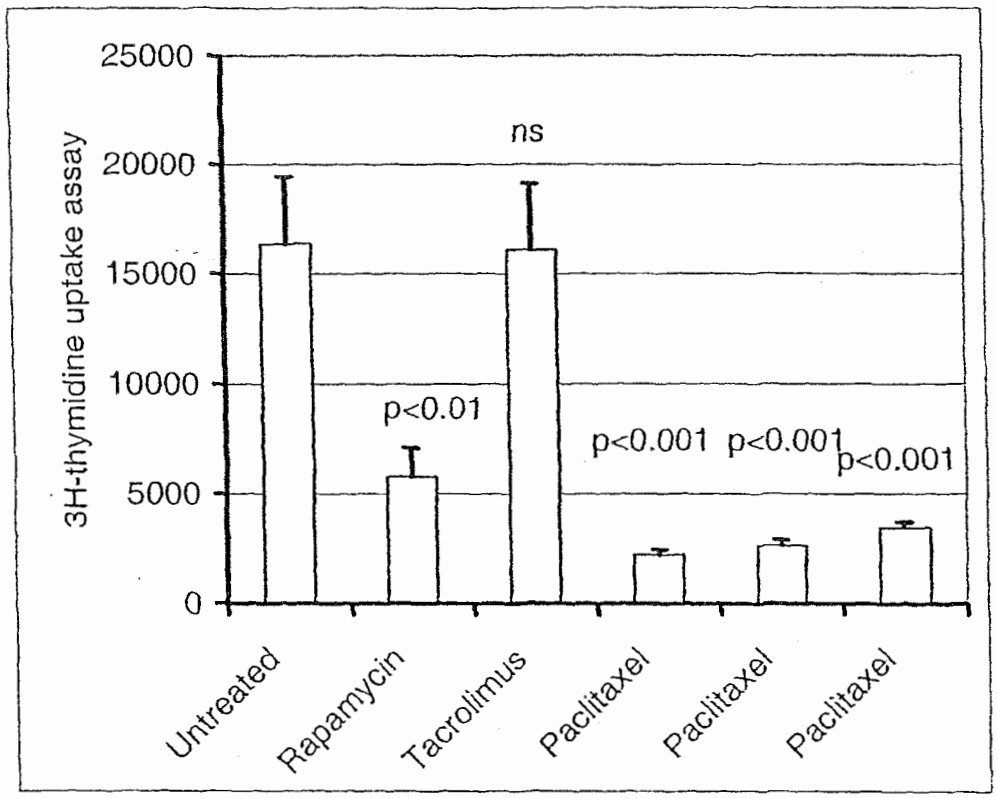


Figure 17: Comparison of Effect of Rapamycin, Tacrolimus and Paclitaxel (3 doses) on Human Endothelial Cells

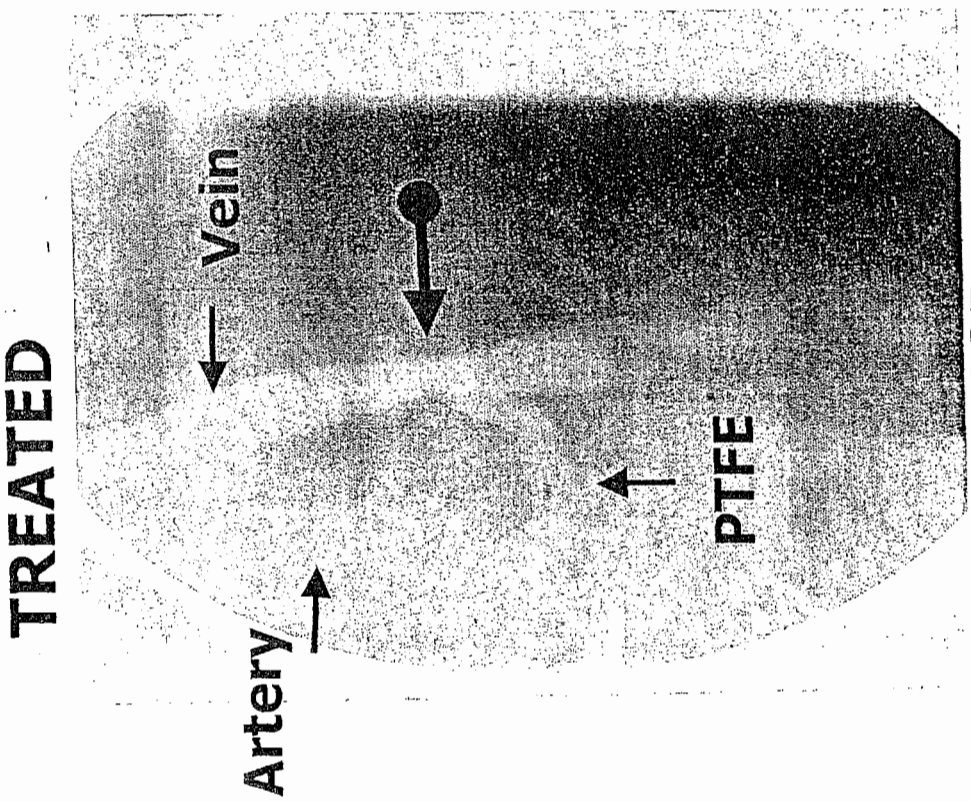


Fig 18B

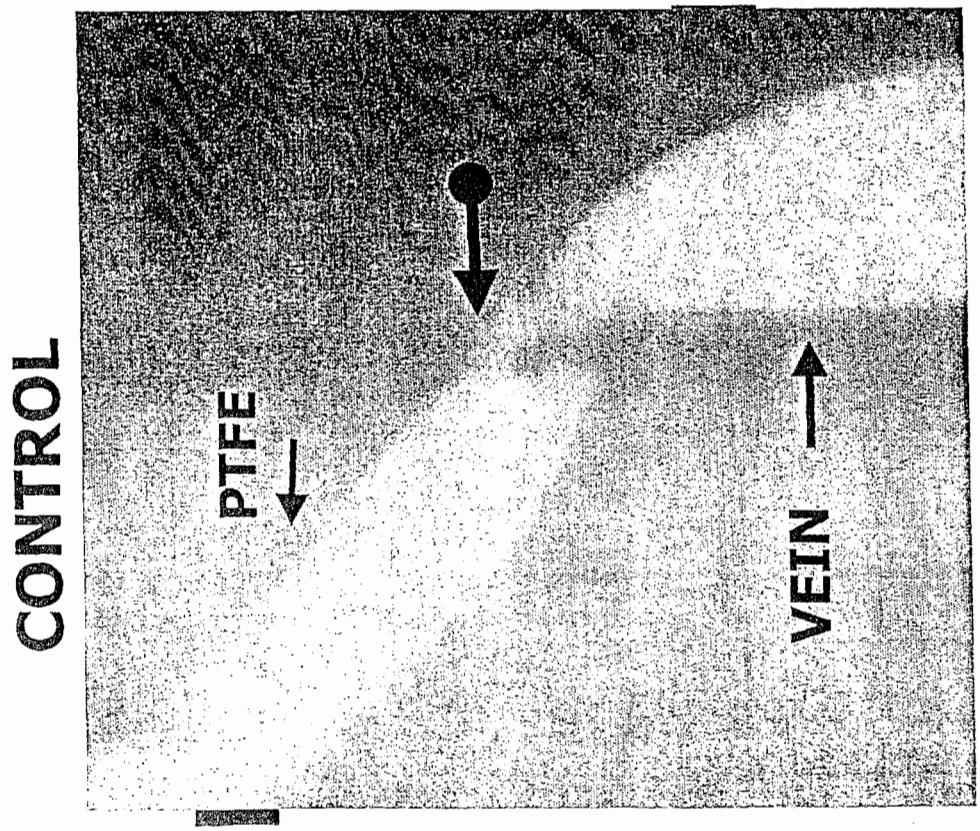


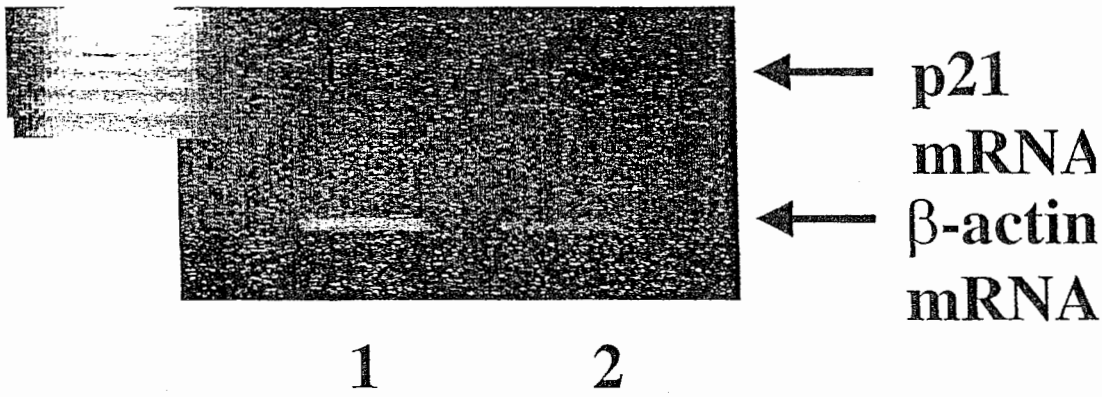
Fig 18A

Arrow with circle on tail indicate site of anastamosis

Fig 19A

Fig 19B

Region Between small arrows indicates thickness of neointima



1 = rapamycin treated

2 = untreated

Fig 20