Fig. 1

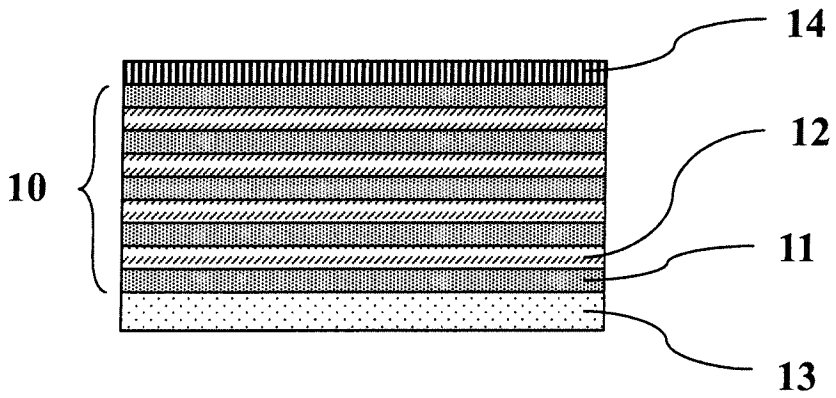


Fig. 2

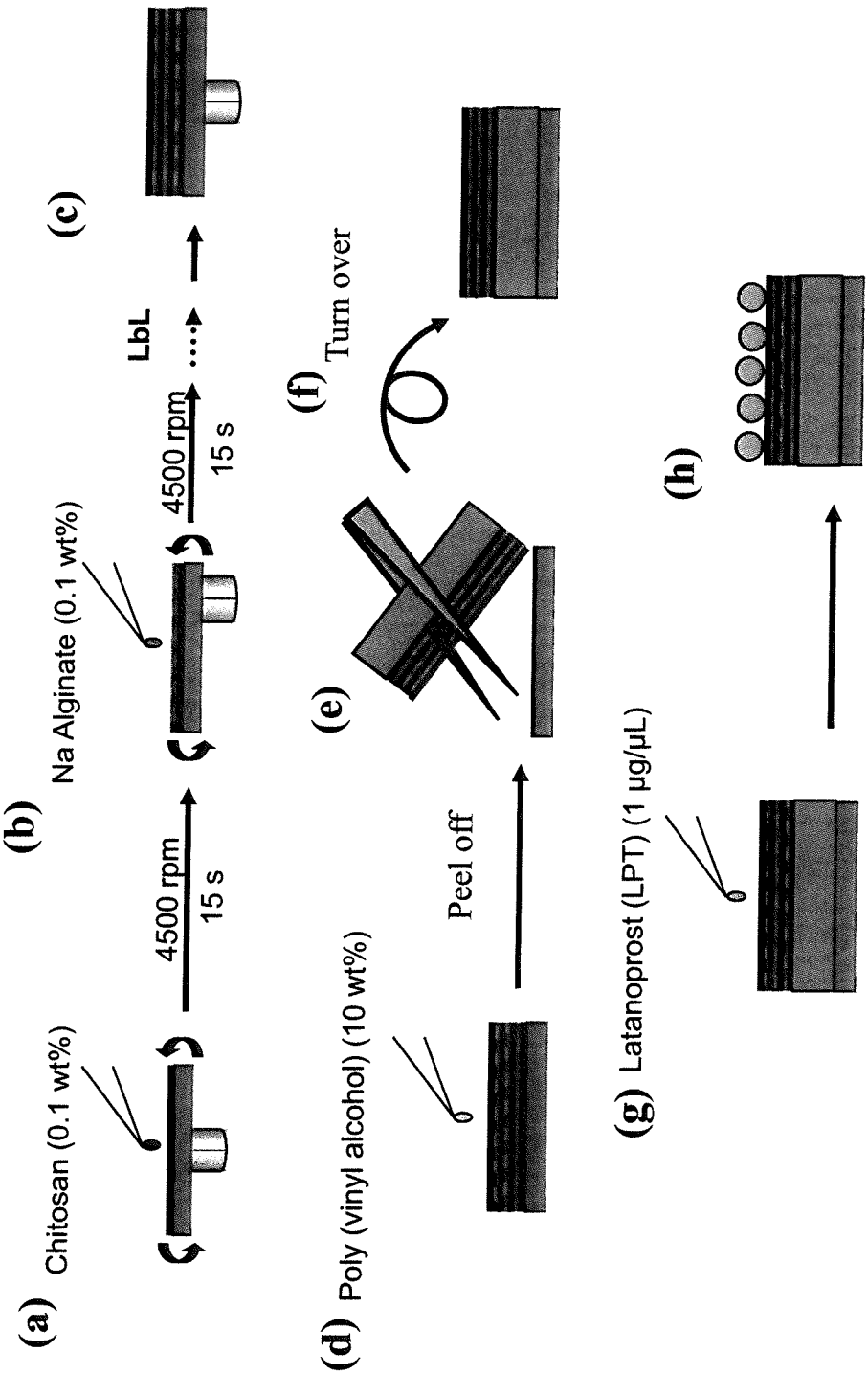

(a)
Chitosan (0.1 wt%)
(b)
4500 rpm
15 s
Na Alginate (0.1 wt%)
(c)
LbL
4500 rpm
15 s
(d)
Poly (vinyl alcohol) (10 wt%)
Peel off
(e)
(f)
Turn over
(g)
Latanoprost (LPT) (1 μg/μL)
(h)

Fig. 3

(a)



Chitosan / Na Alginate (10.5 pairs)
Thickness: 41±1 nm

(b)

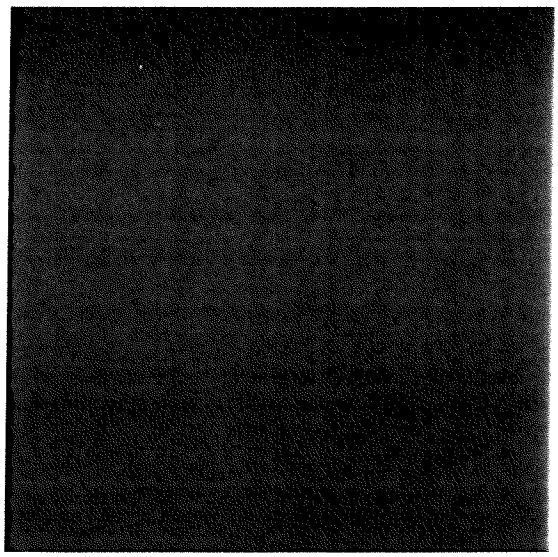
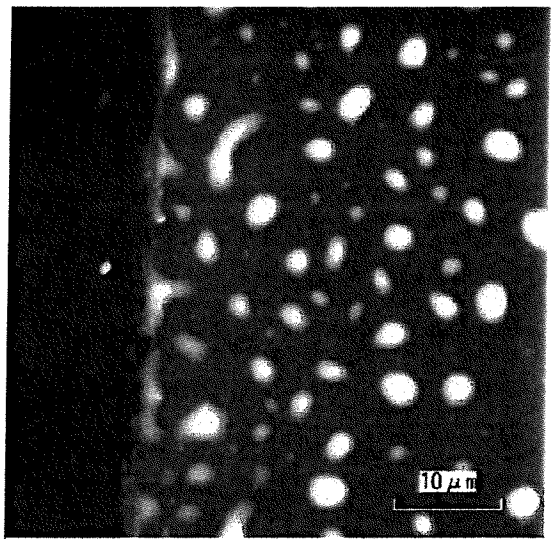


Fig. 4

(a)



Latanoprost nanosheet
Thickness: 248±58 nm

(b)

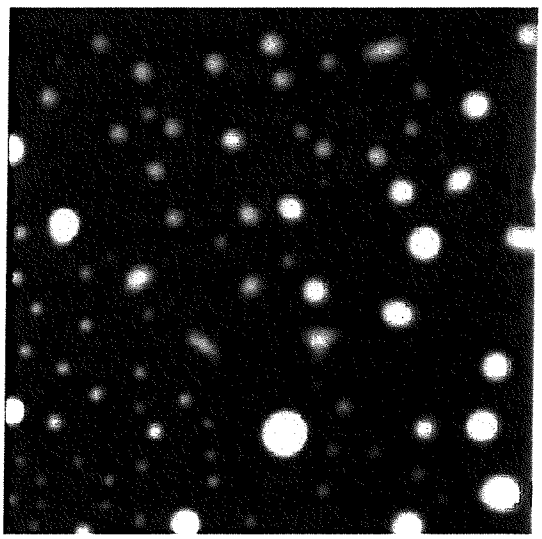


Fig. 5

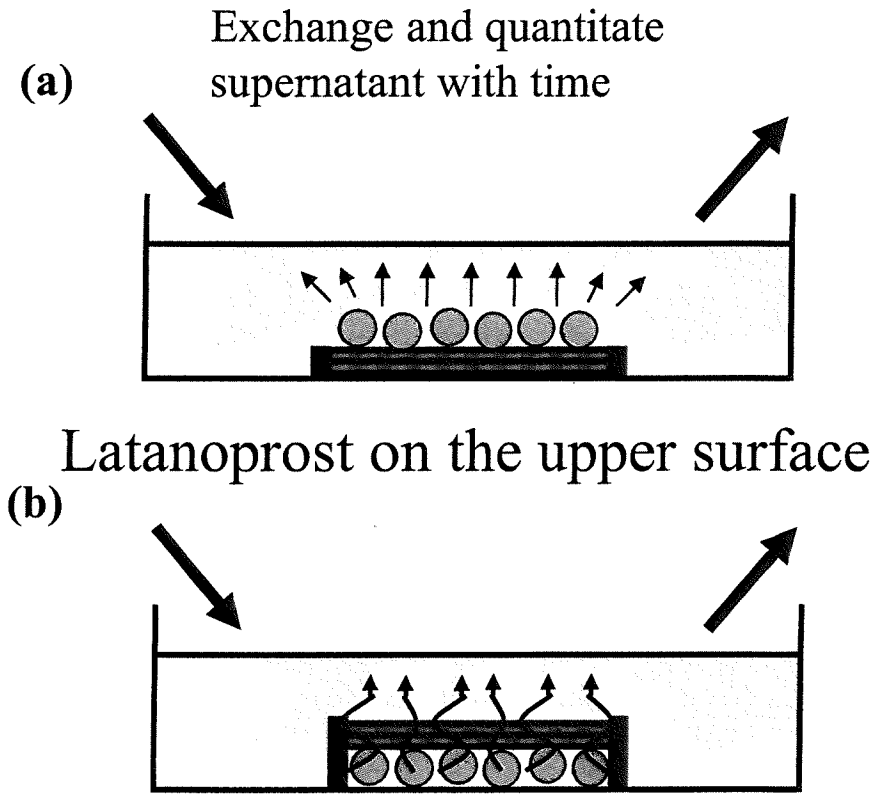
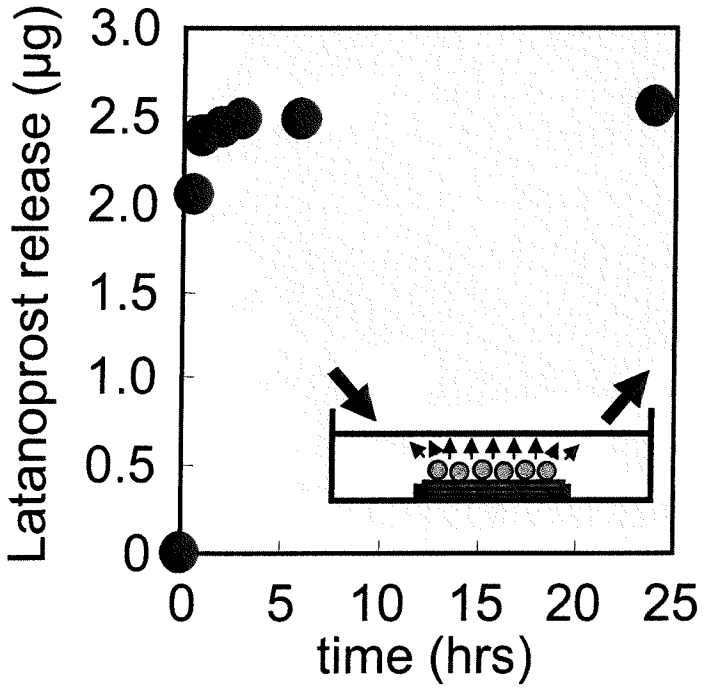

(a)
Exchange and quantitate supernatant with time
Latanoprost on the upper surface
(b)
Latanoprost on the bottom surface

Fig. 6

(a)


Latanoprost release (µg)
3.0
2.5
2.0
1.5
1.0
0.5
0
0
5
10
15
20
25
time (hrs)

(b)

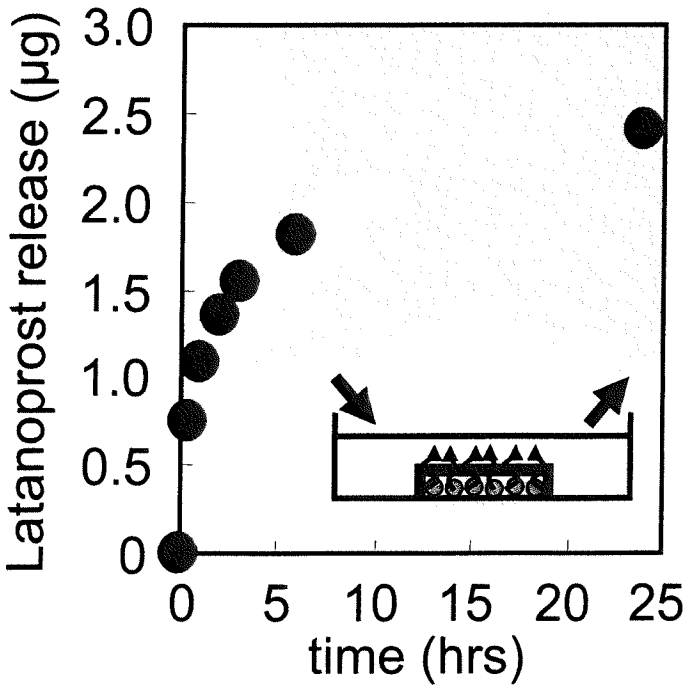

Latanoprost release (µg)
3.0
2.5
2.0
1.5
1.0
0.5
0
0
5
10
15
20
25
time (hrs)

Fig. 7

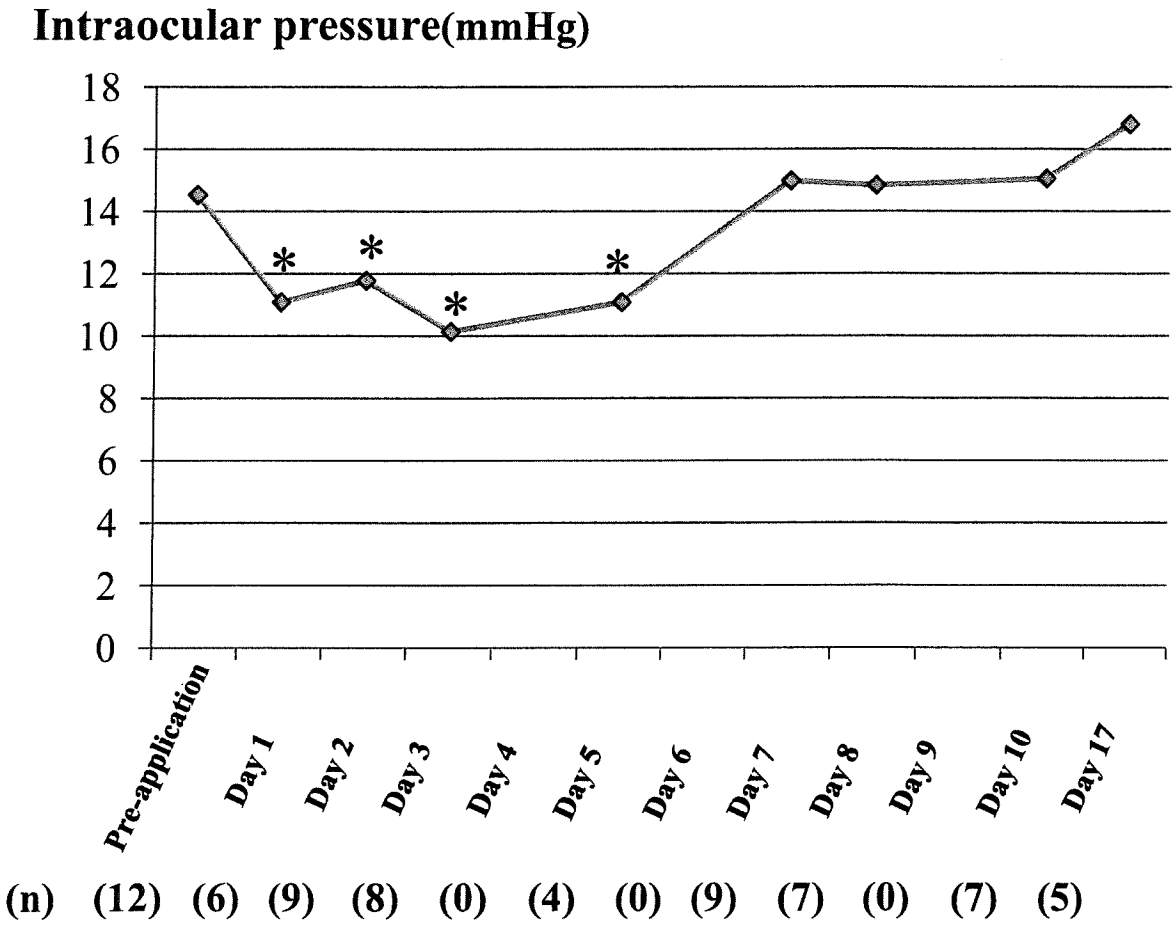

Intraocular pressure(mmHg)
18
16
14
12
10
8
6
4
2
0
*
*
*
*
Pre-application
Day 1
Day 2
Day 3
Day 4
Day 5
Day 6
Day 7
Day 8
Day 9
Day 10
Day 17
(n) (12) (6) (9) (8) (0) (4) (0) (9) (7) (0) (7) (5)

Fig. 8

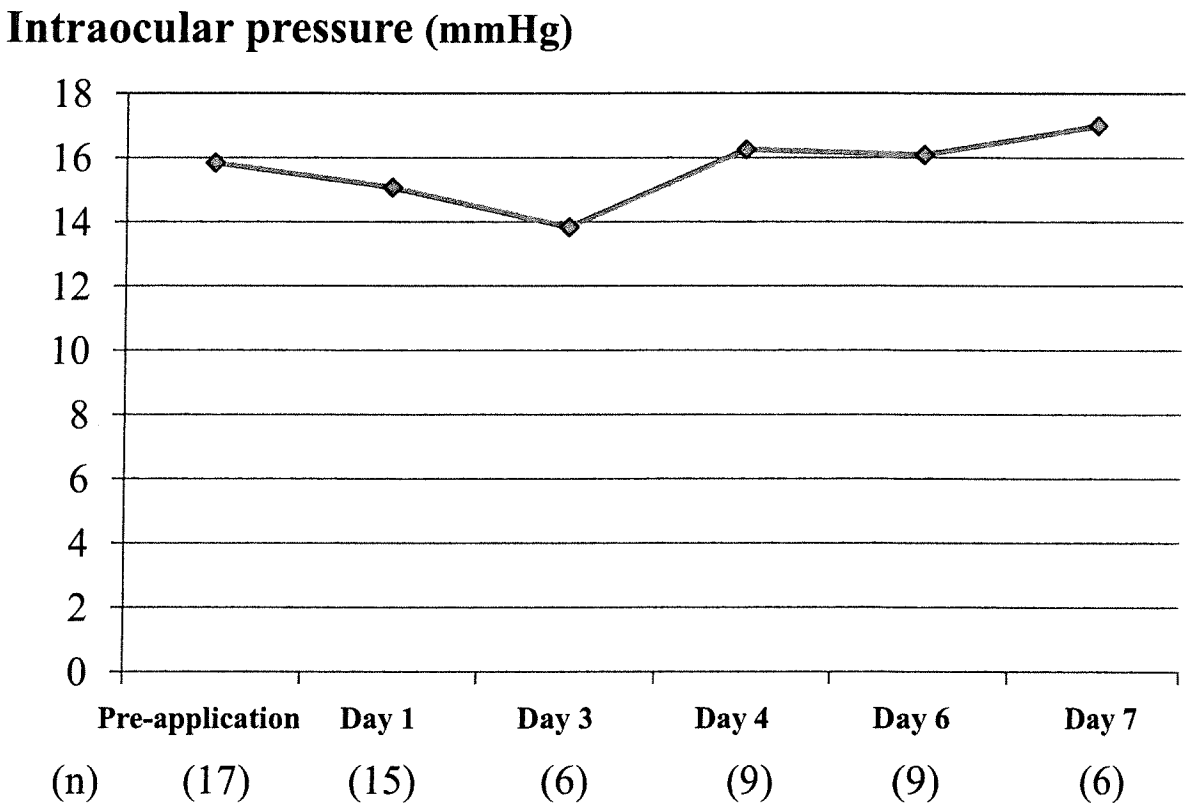
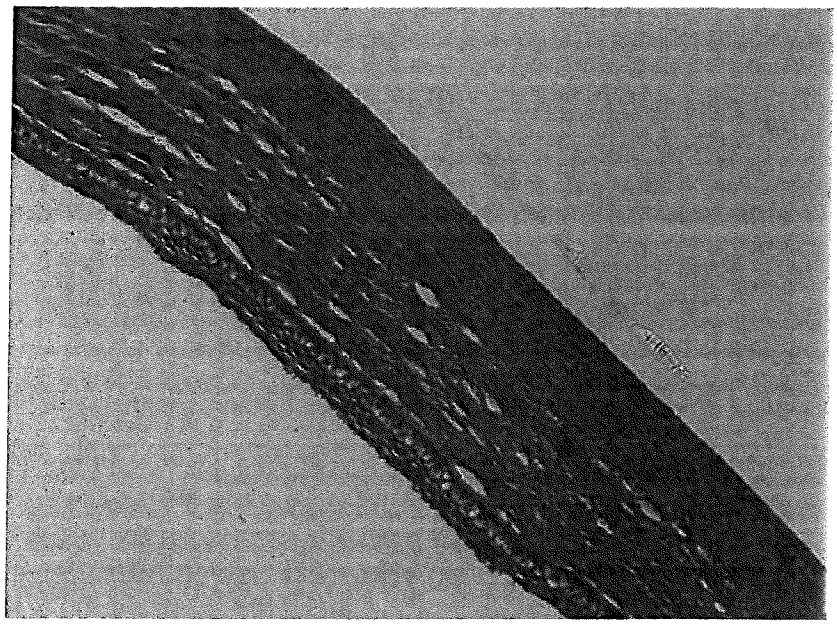

Intraocular pressure (mmHg)
18
16
14
12
10
8
6
4
2
0
Pre-application
Day 1
Day 3
Day 4
Day 6
Day 7
(n)
(17)
(15)
(6)
(9)
(9)
(6)

Fig. 9

(a)



(b)

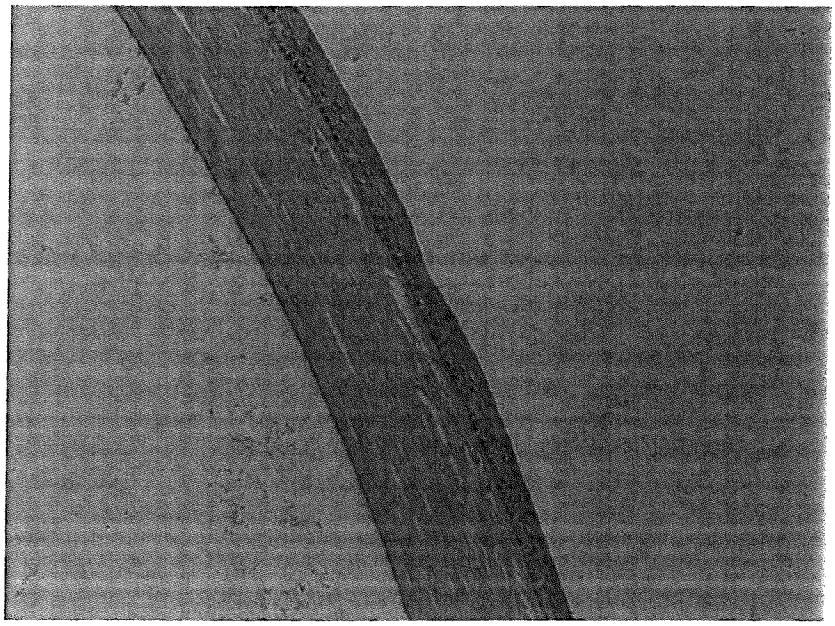


Fig. 10

