Fig. 1

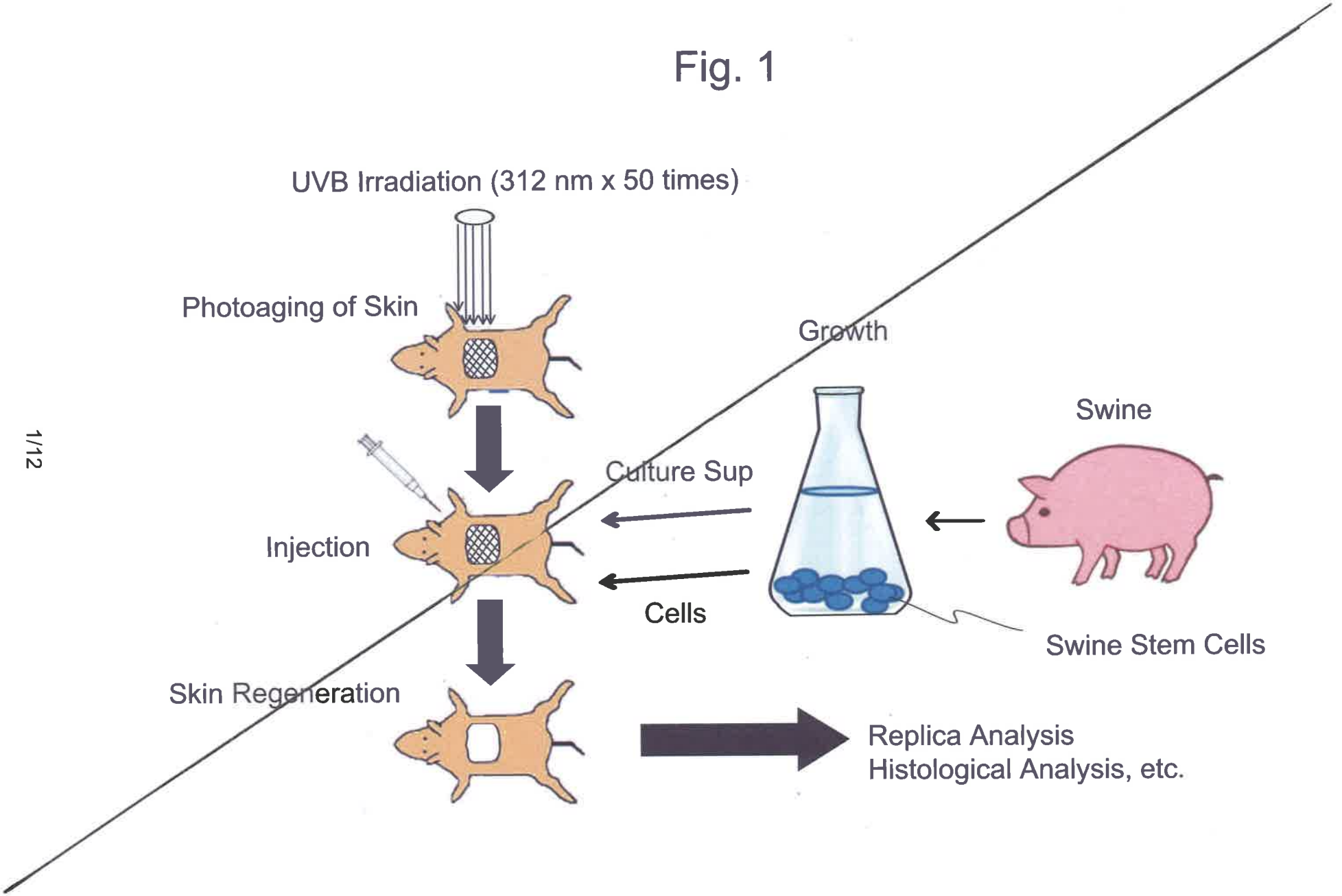

UVB Irradiation (312 nm x 50 times)
Photoaging of Skin
Growth
Swine
Culture Sup
Injection
Cells
Swine Stem Cells
Skin Regeneration
Replica Analysis
Histological Analysis, etc.

Fig. 2

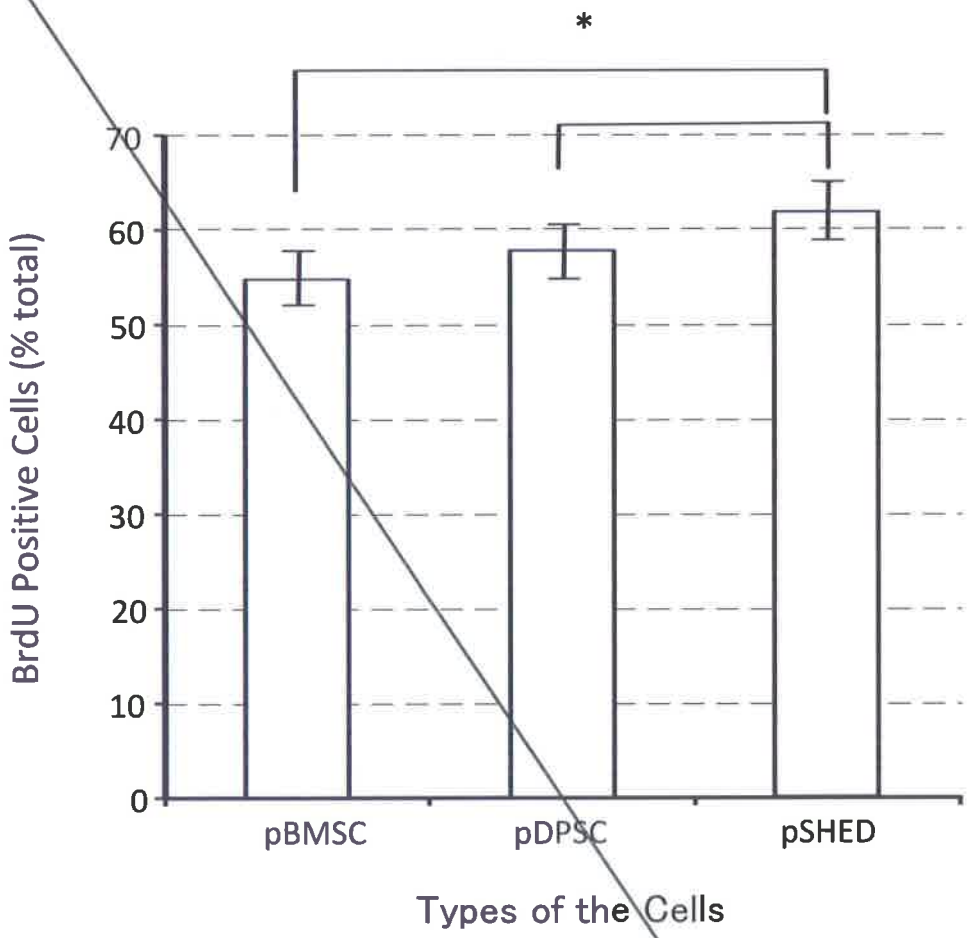
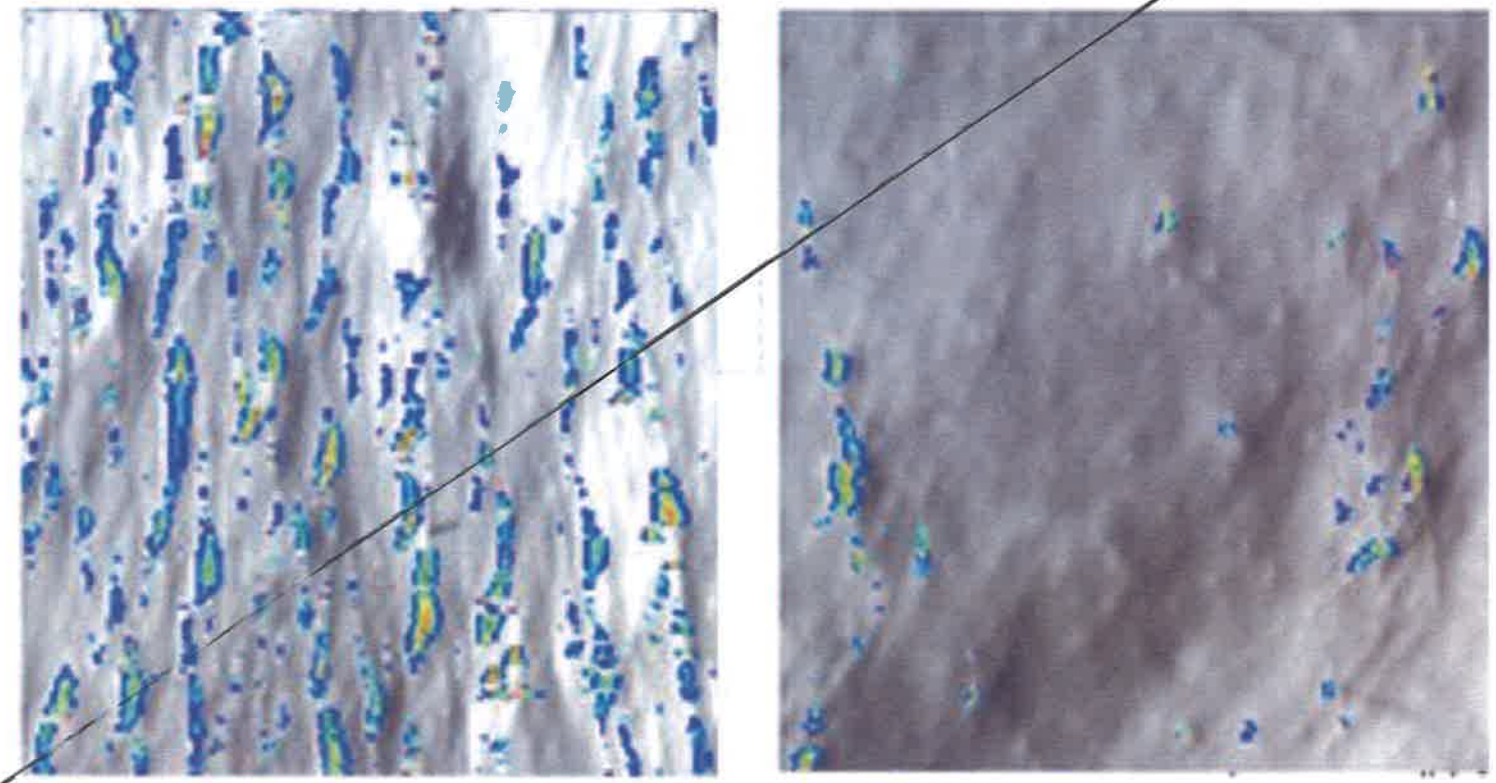

*
70
60
50
40
30
20
10
0
BrdU Positive Cells (% total)
pBMSC
pDPSC
pSHED
Types of the Cells

Fig. 3

Replica Analysis

(A)

(B)



Control

pGF

Fig. 4

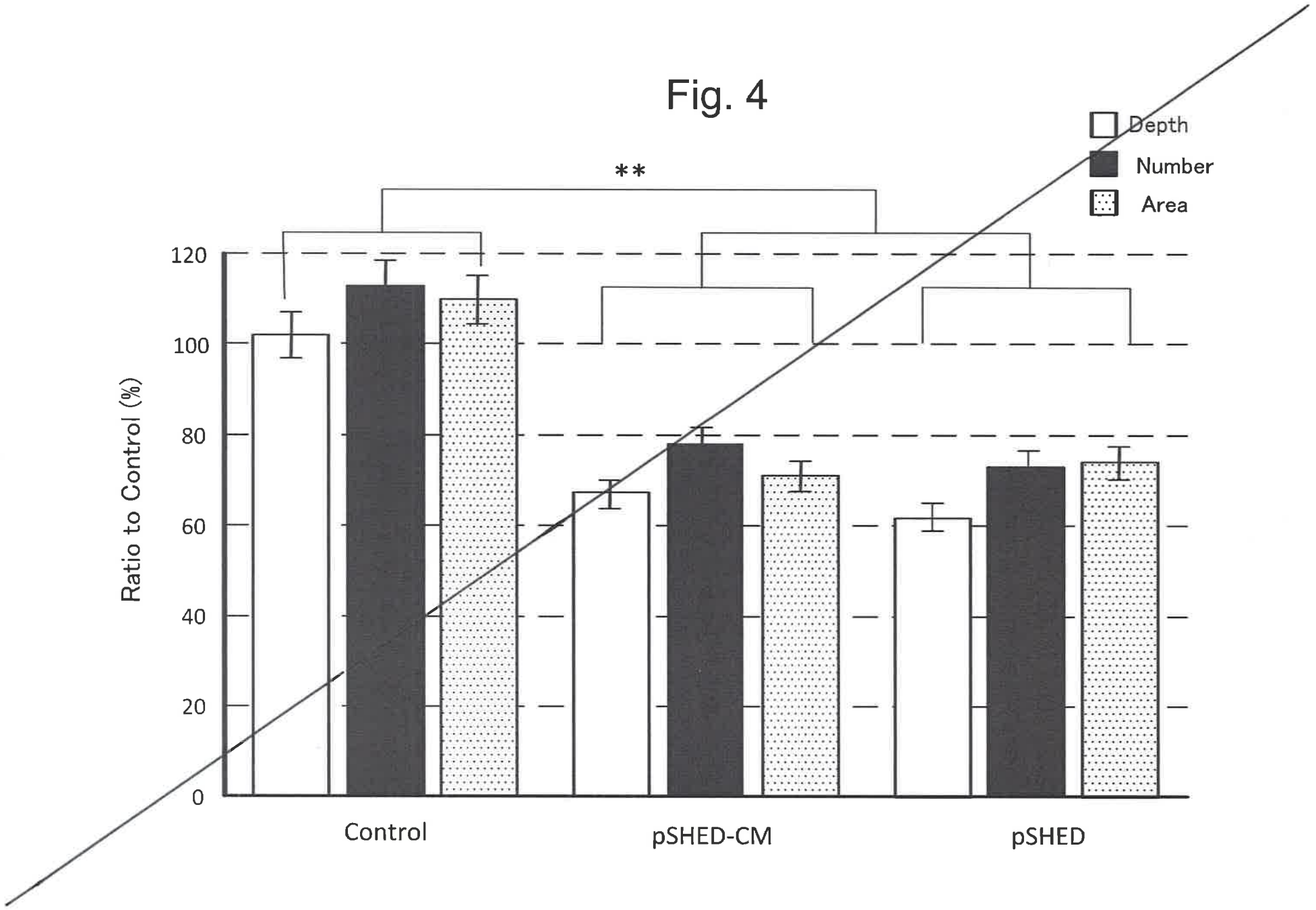
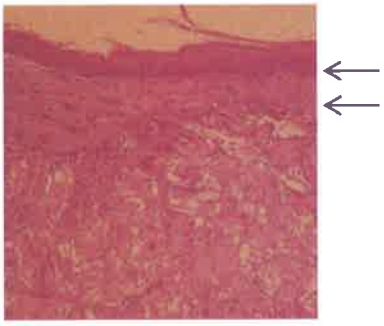
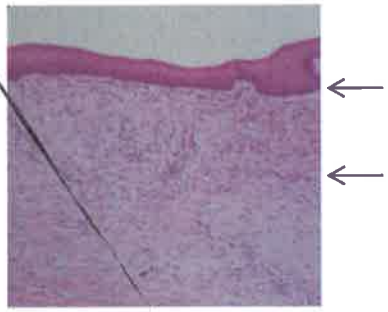

Depth
Number
Area
**
120
100
80
60
40
20
0
Ratio to Control (%)
Control
pSHED-CM
pSHED

Fig. 5

(A) Control



(B) pSHED-CM



(c) pSHED

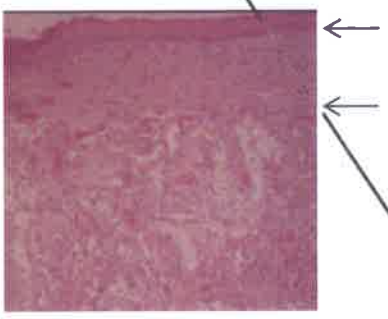


Fig. 6

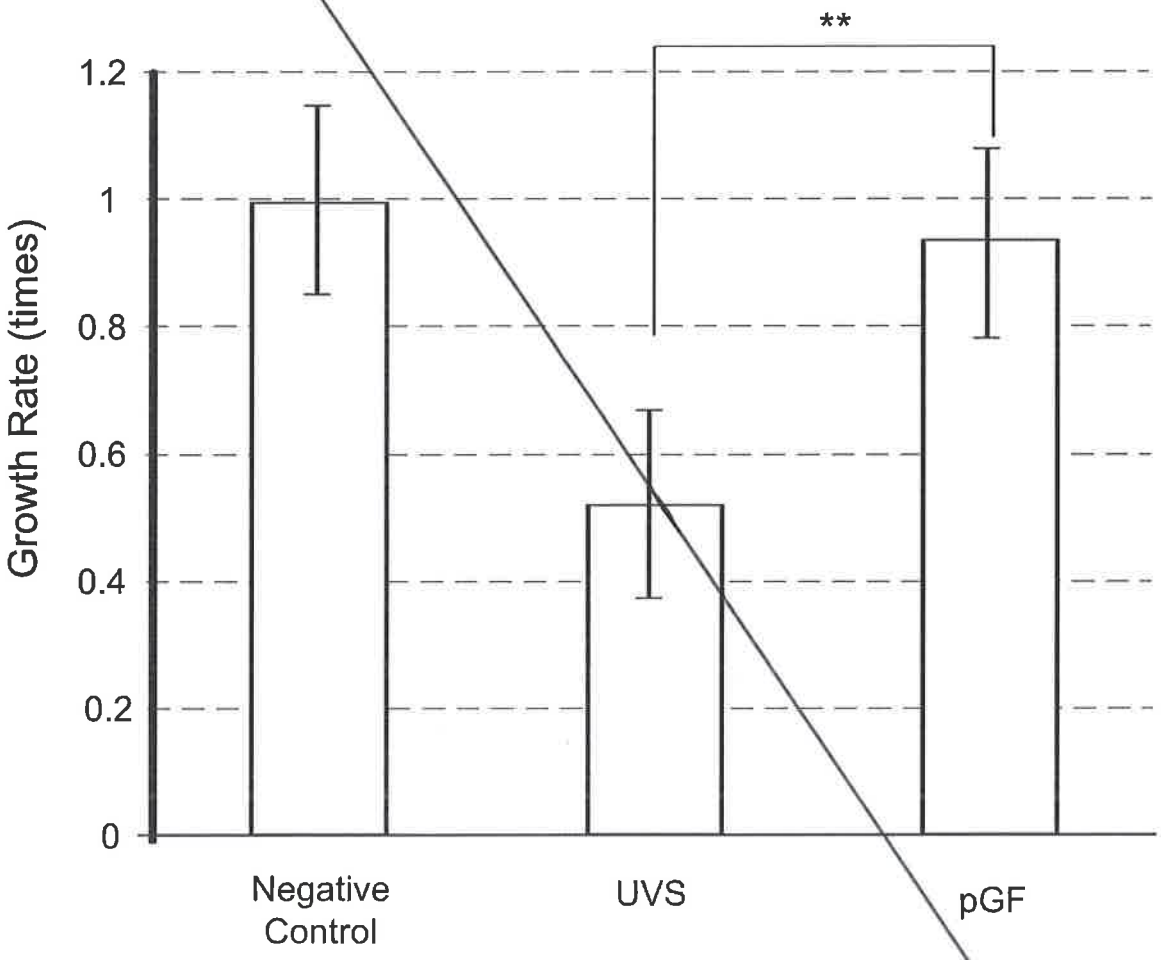
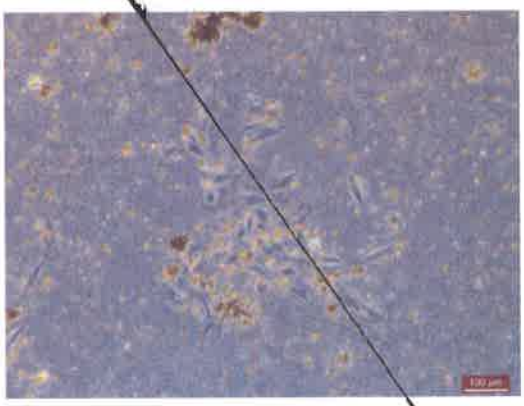


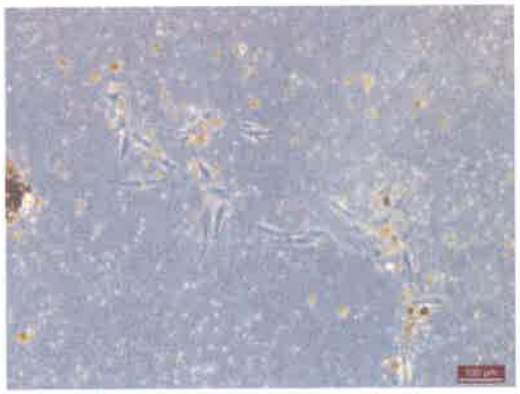
Fig. 7

(A)



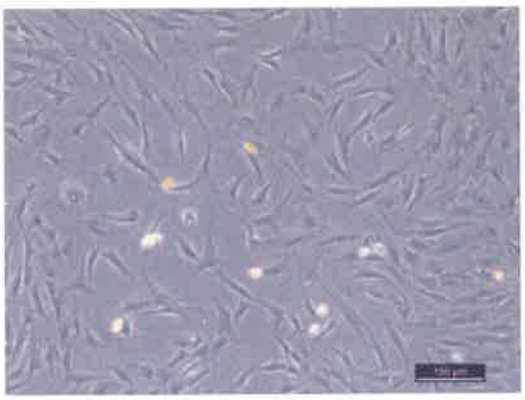
pBMSC Day 3

(B)



pSHED Day 3

(C)



pBMSC Day 7

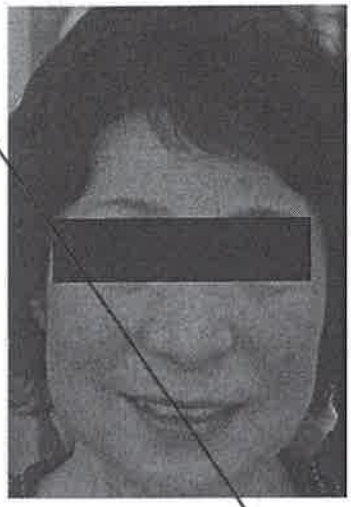
(D)



pSHED Day 7

Fig. 8A

(A)



Before Test Start

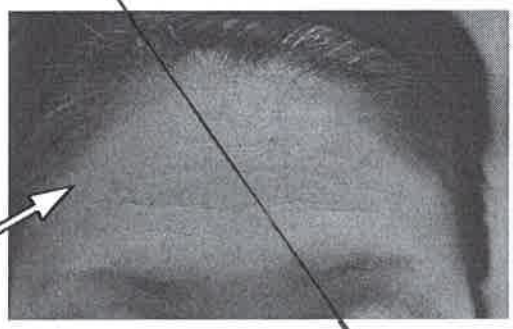
(B)



After Test Finish
(6 Month)

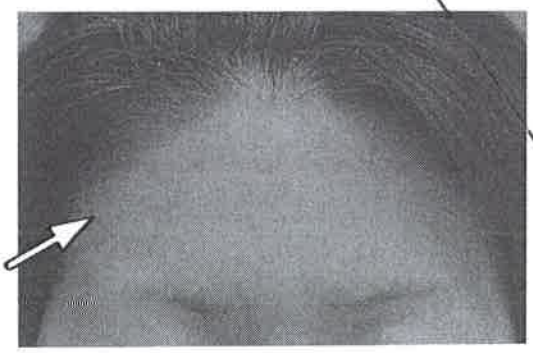
Fig. 9

(A)



Before Test Start

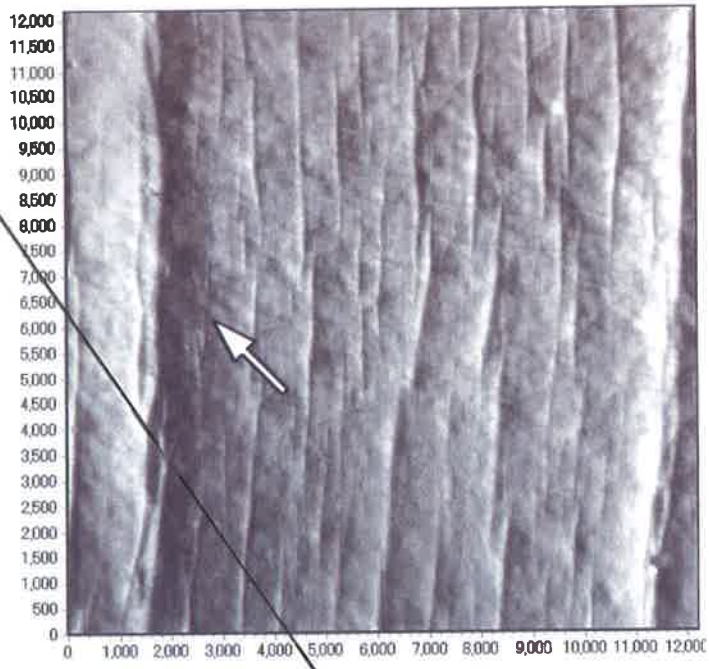
(B)



After Test Finish (12 Month)

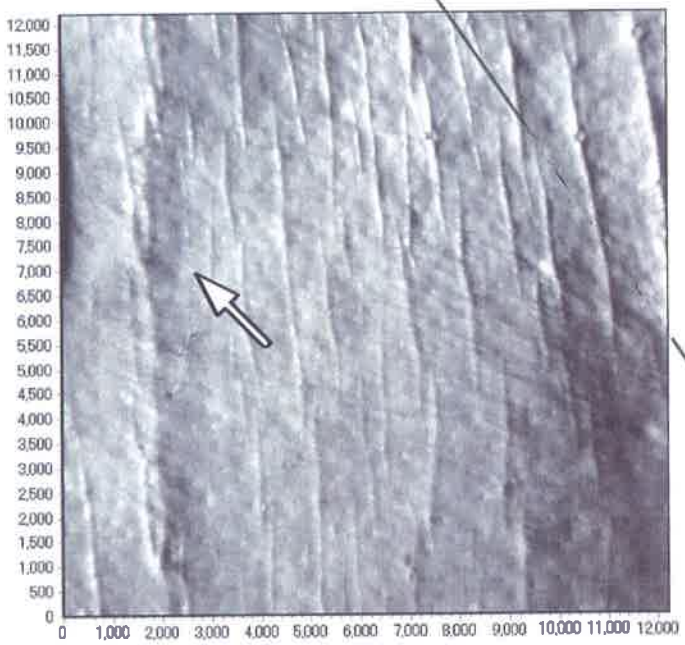
Fig. 10

(A)



Before Test Start

(B)



After Test Finish (6 Month)

Fig. 11

Before Test Start



Fig. 12

After Test Finish (14 Days)

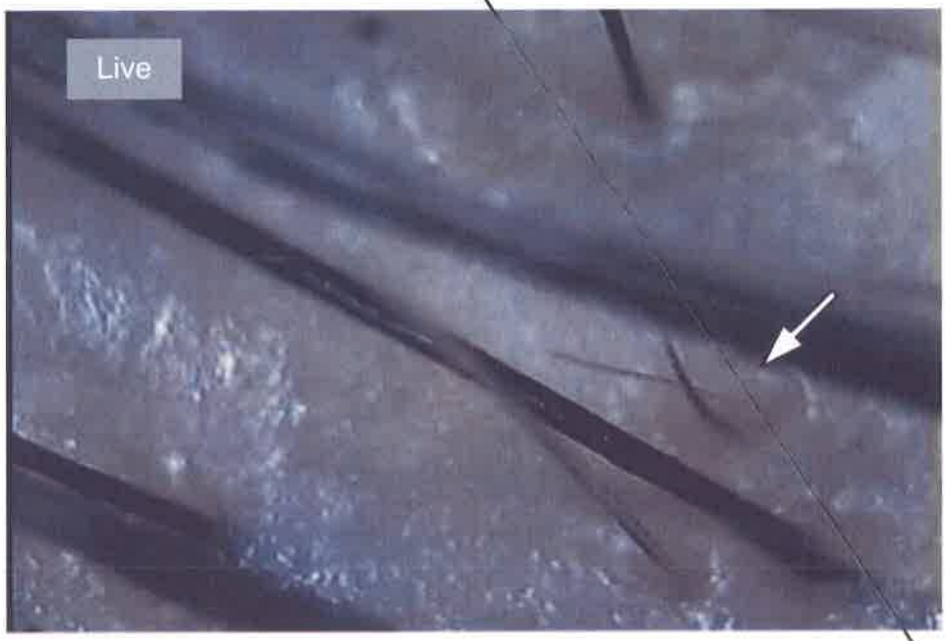


Fig. 13



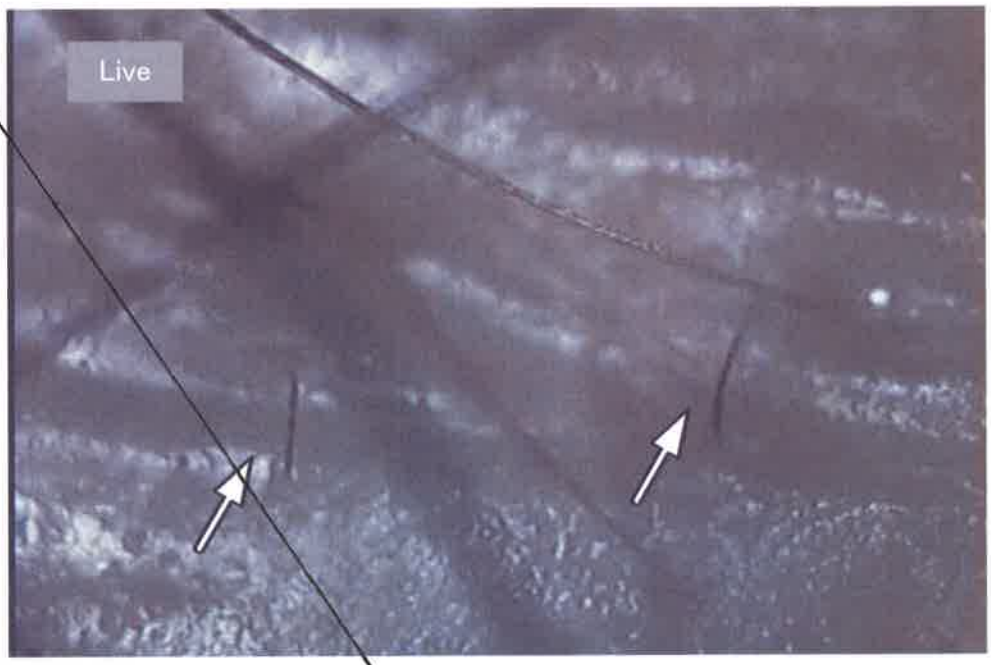
Before Test Start

Fig. 14



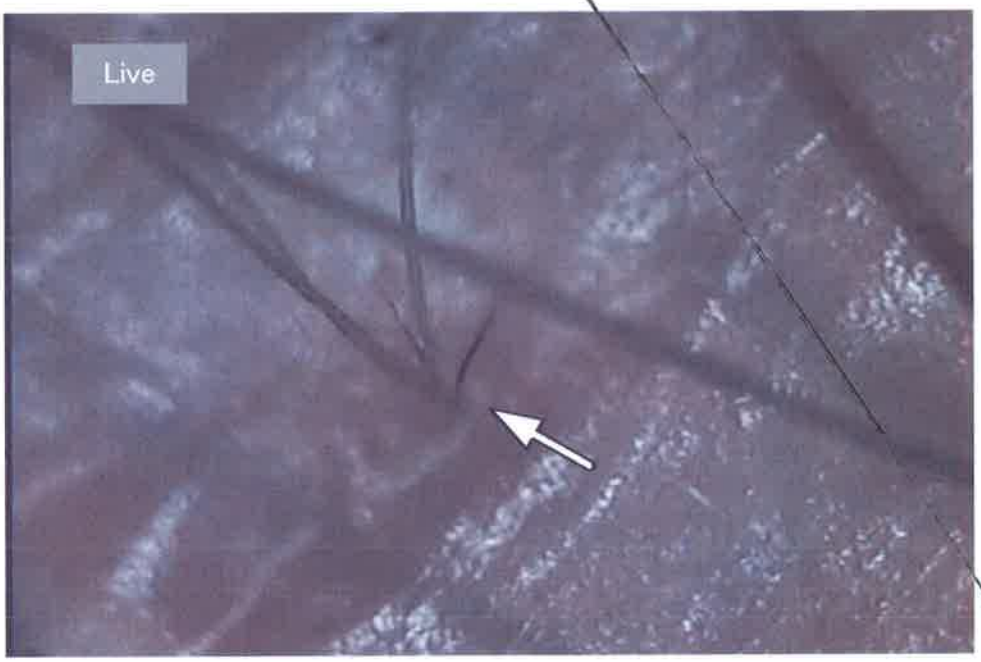
After Test Start 3 Day

Fig. 15



Before Test Start

Fig. 16



After Test Start 7 Day

Fig. 1

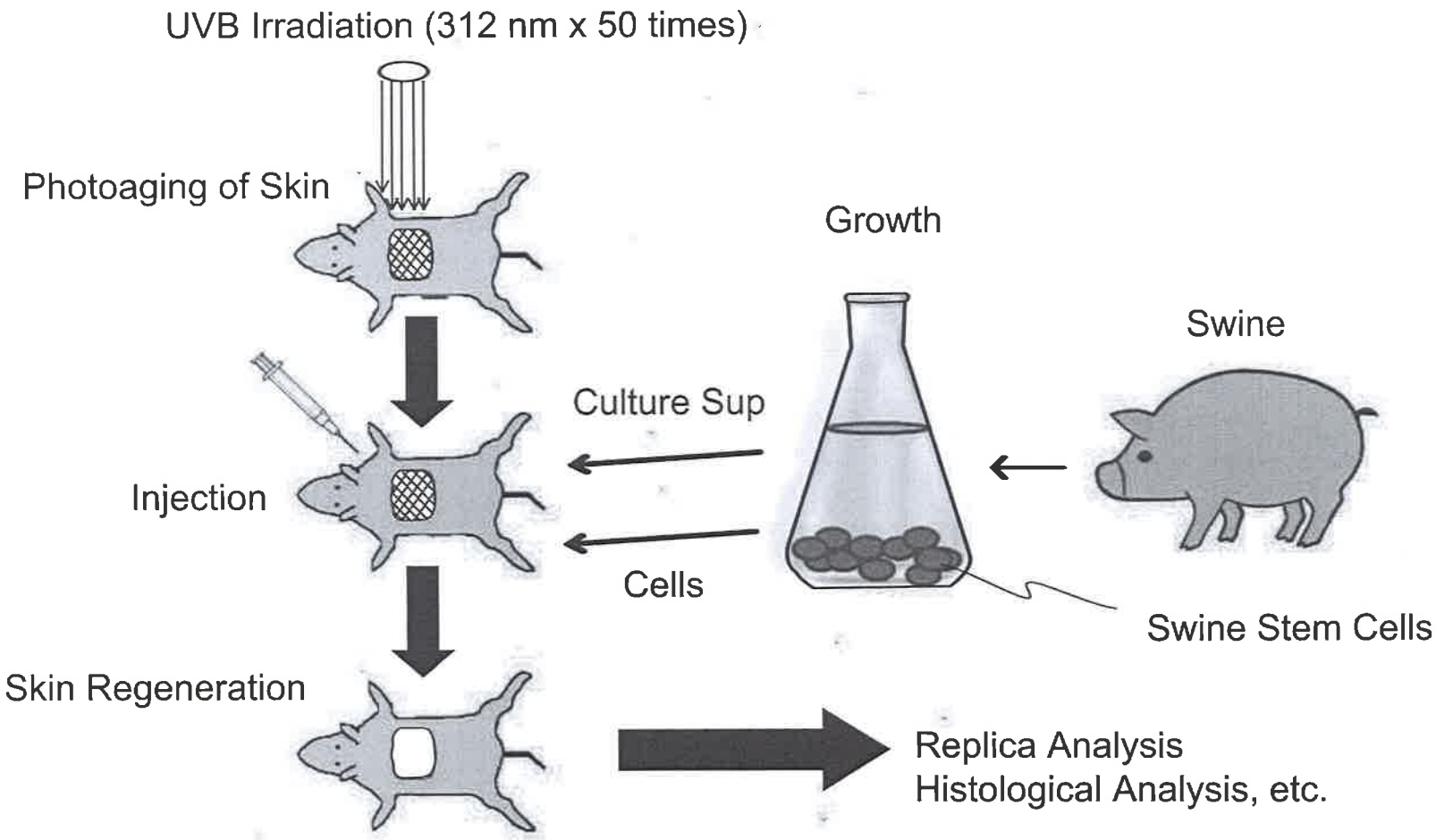

UVB Irradiation (312 nm x 50 times)
Photoaging of Skin
Growth
Swine
Culture Sup
Injection
Cells
Swine Stem Cells
Skin Regeneration
Replica Analysis
Histological Analysis, etc.

Fig. 2

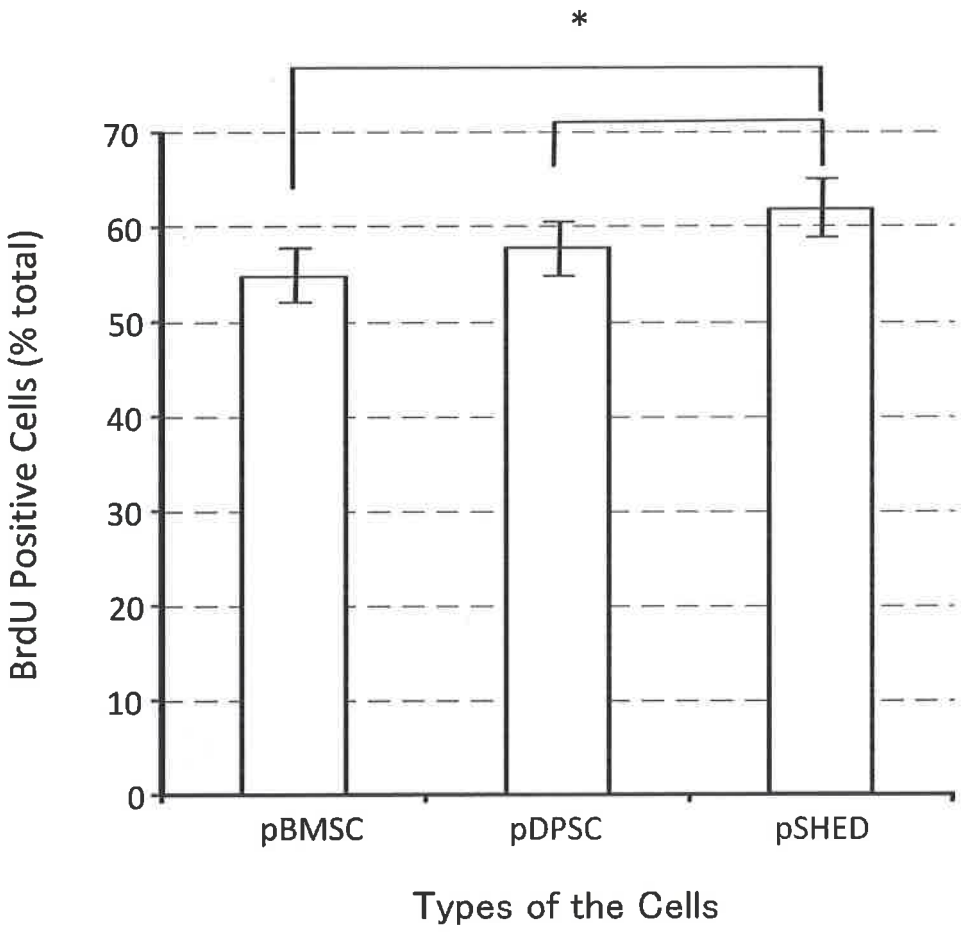
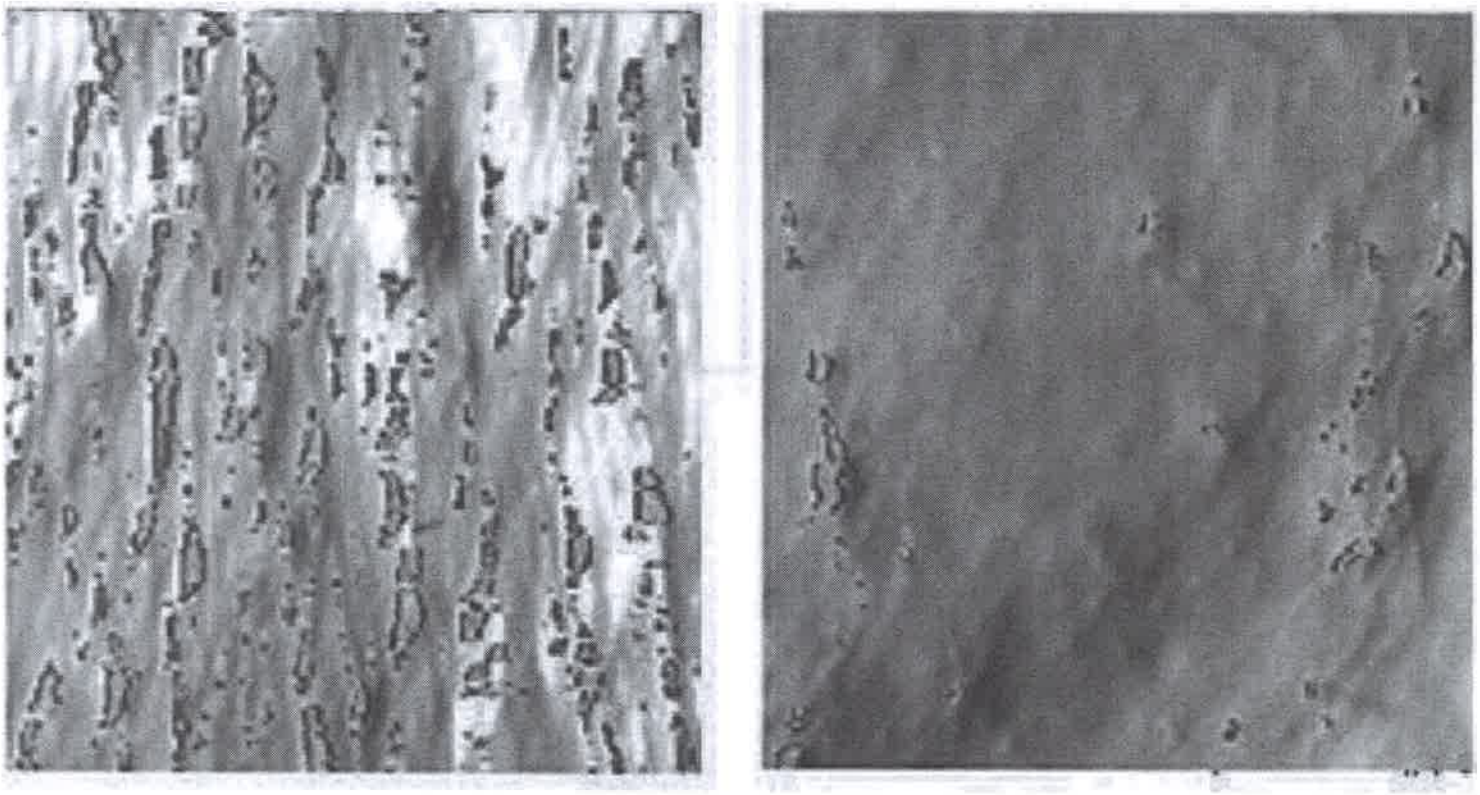

*
70
60
50
40
30
20
10
0
BrdU Positive Cells (% total)
pBMSC
pDPSC
pSHED
Types of the Cells

Fig. 3

(A) Replica Analysis (B)



Control pGF

Fig. 4

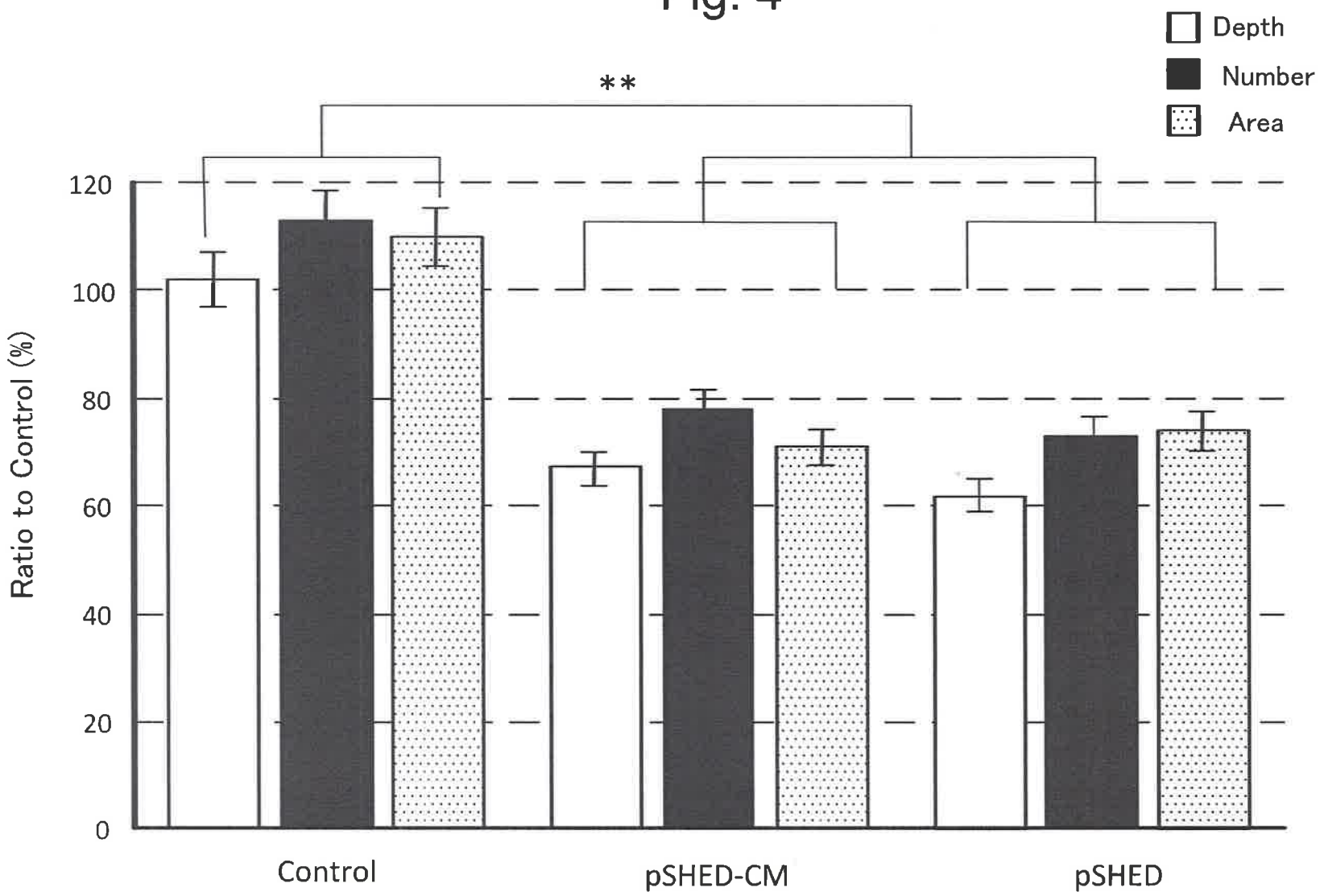
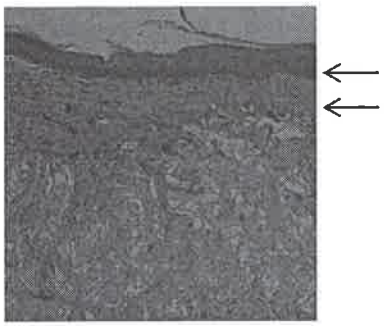
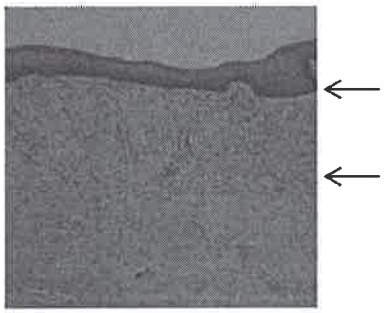

Depth
Number
Area
**
120
100
80
60
40
20
0
Ratio to Control (%)
Control
pSHED-CM
pSHED

Fig. 5

(A) Control



(B) pSHED-CM



(c) pSHED

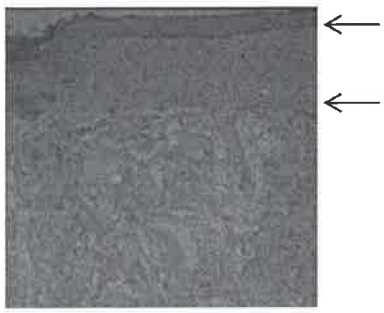


Fig. 6

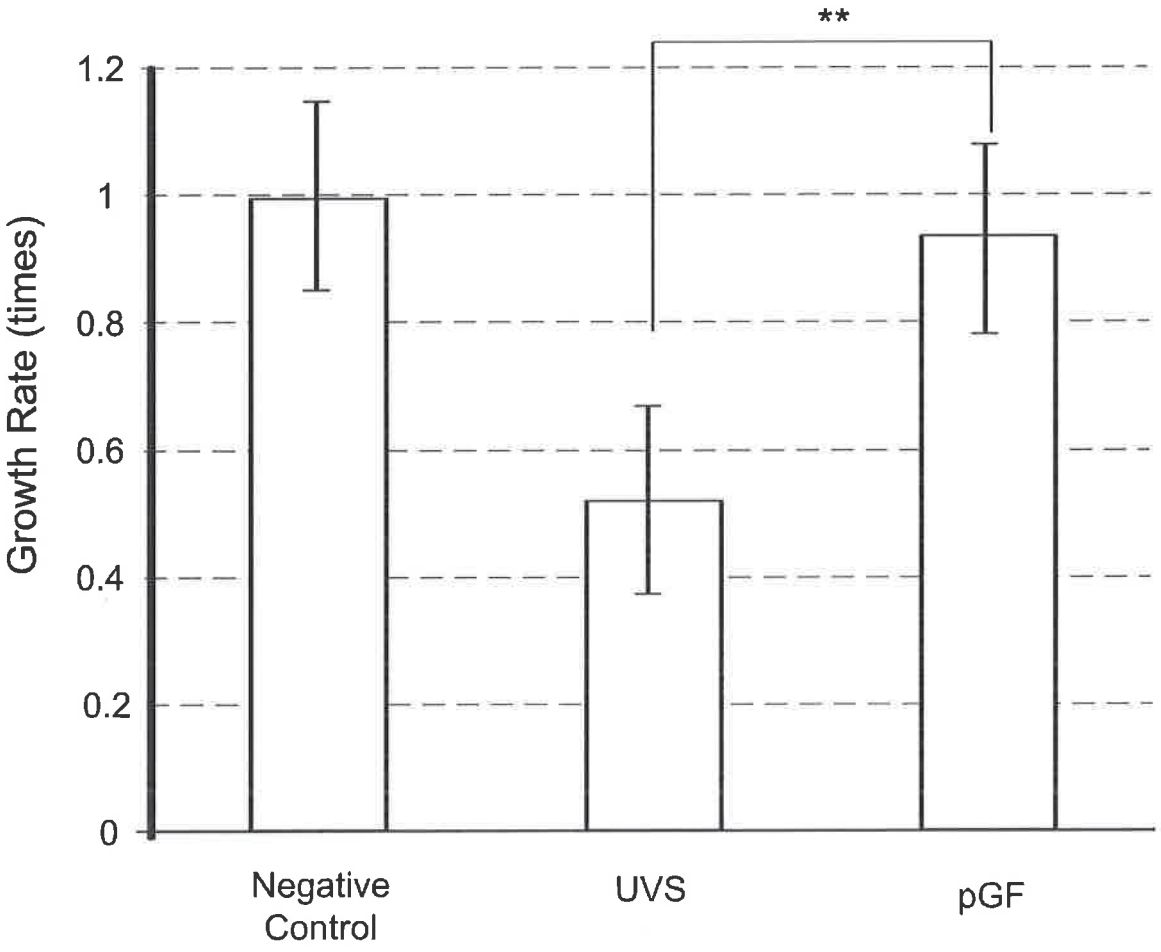


Fig. 7

(A)



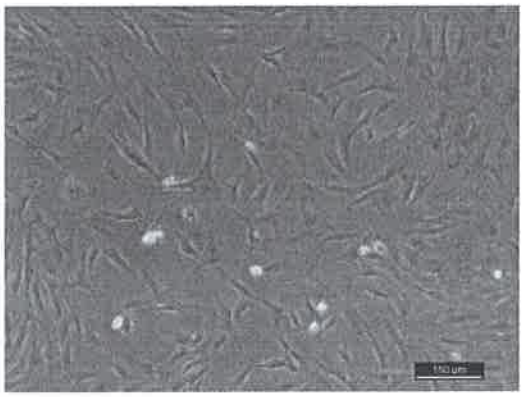
pBMSC Day 3

(B)



pSHED Day 3

(C)



pBMSC Day 7

(D)



pSHED Day 7

Fig. 8A

(A)



Before Test Start

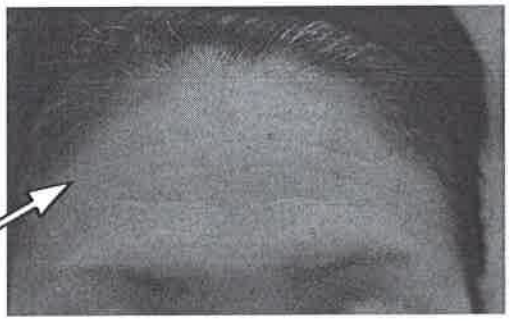
(B)



After Test Finish
(6 Month)

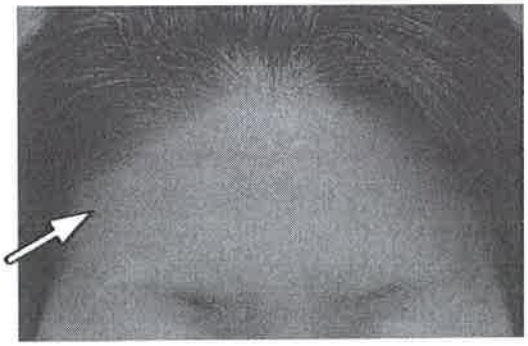
Fig. 9

(A)



Before Test Start

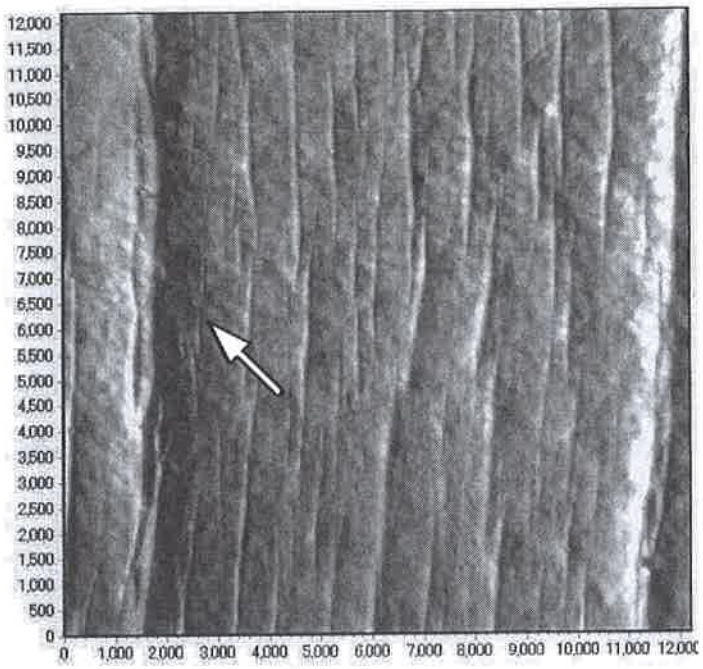
(B)



After Test Finish (12 Month)

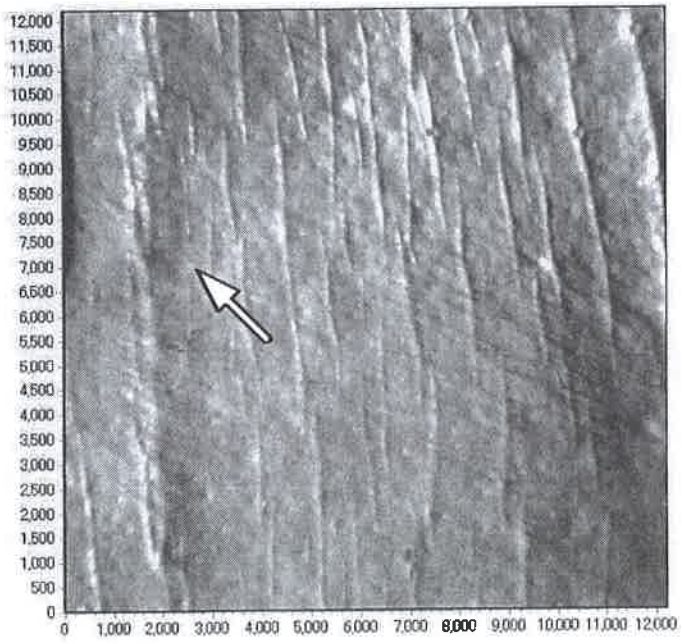
Fig. 10

(A)



Before Test Start

(B)



After Test Finish (6 Month)

Fig. 11

Before Test Start



Fig. 12

After Test Finish (14 Days)

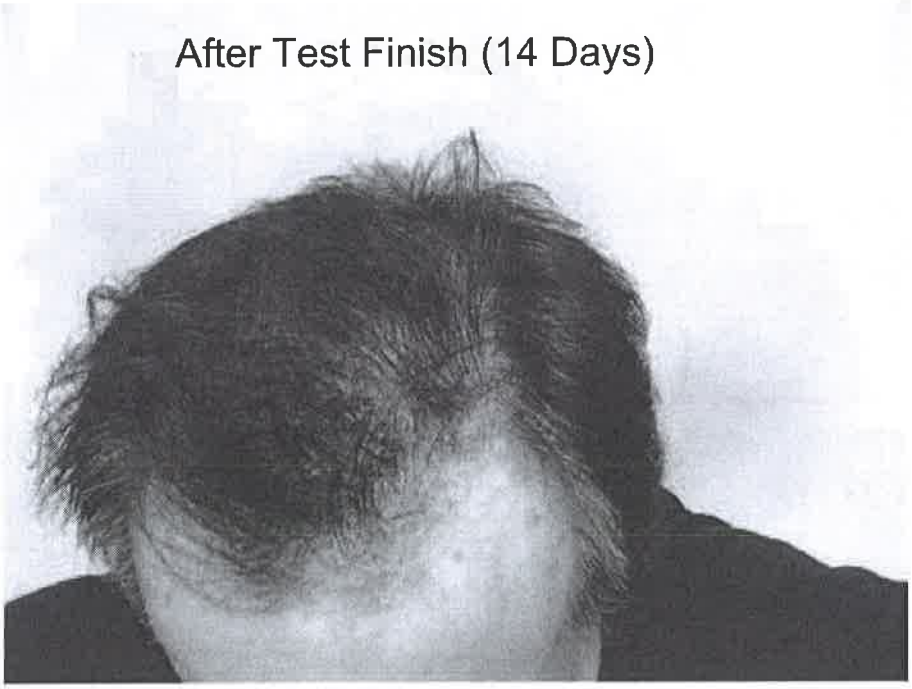
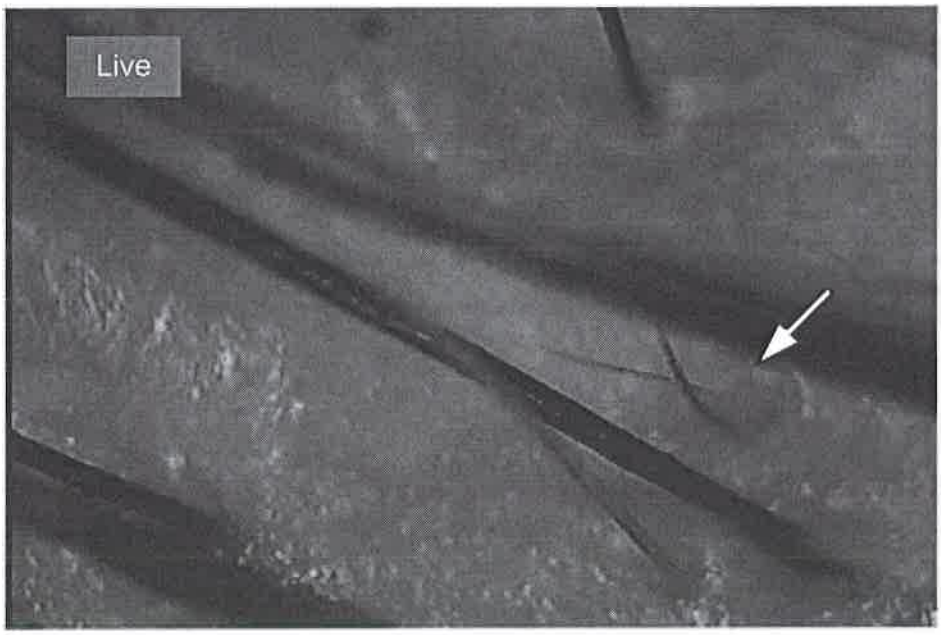


Fig. 13



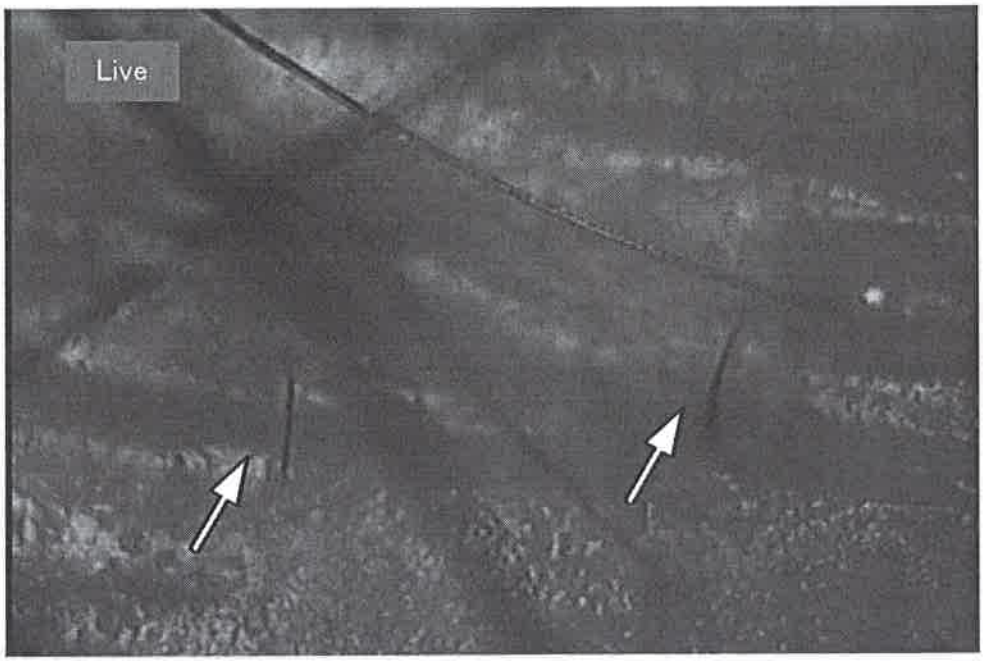
Before Test Start

Fig. 14



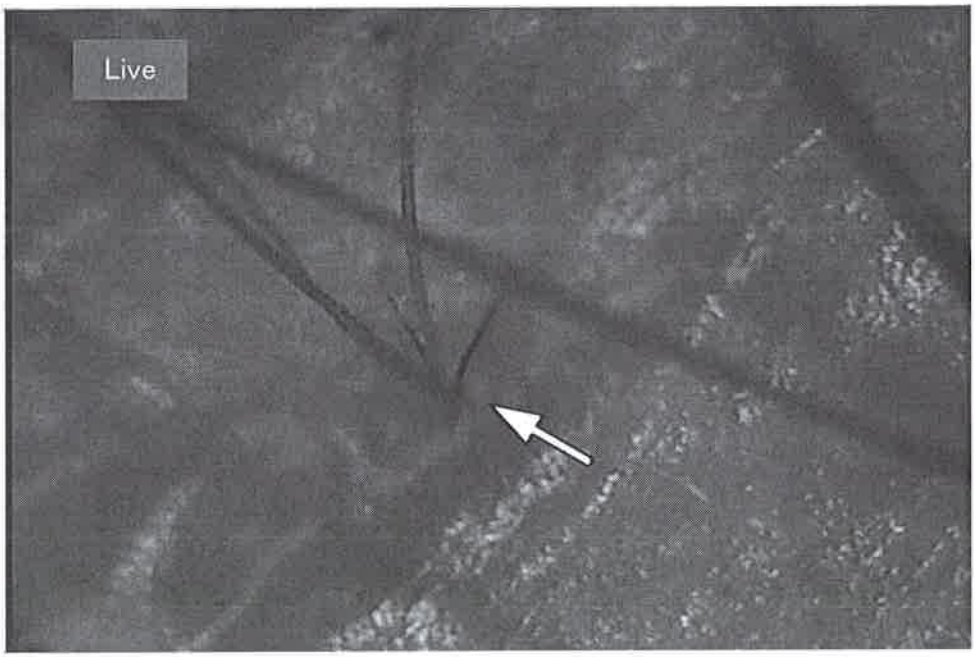
After Test Start 3 Day

Fig. 15



Before Test Start

Fig. 16



After Test Start 7 Day