CERTIFICATE OF ATTENDANCE

This is to certify that

Rizki Rahmadian

participated as a speaker
The 15th Asia Pacific Association of Surgical Tissue Banking held from August 27 to 29, 2014 in Gifu, Japan.

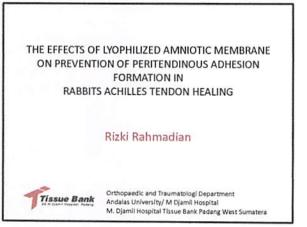


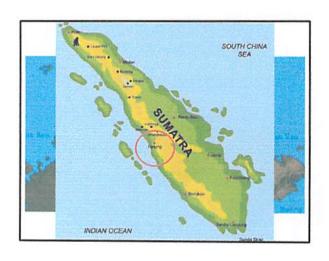
G13:5

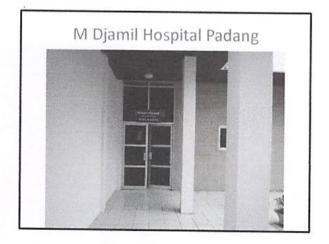


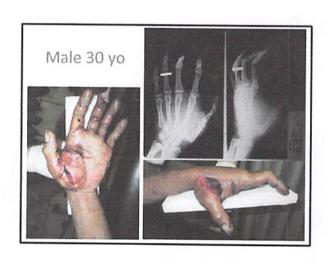
Yudo Hachiya, M.D., Ph.D.

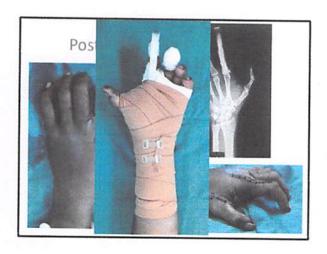
President
The 15th Asia Pacific Association of Surgical Tissue Banking

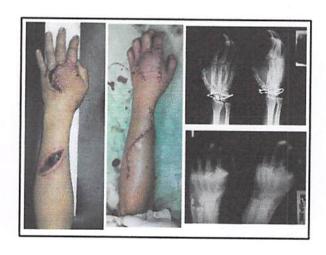


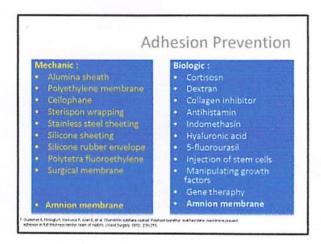


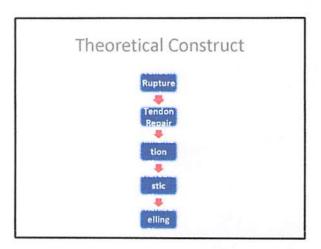


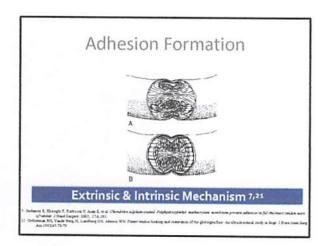


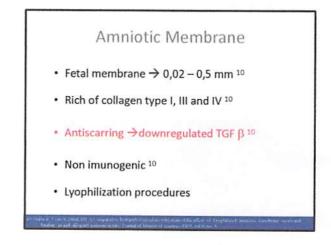


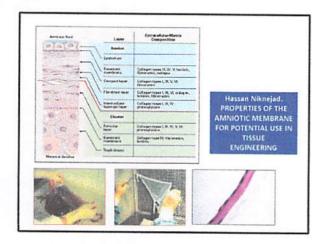


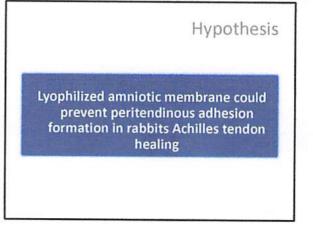








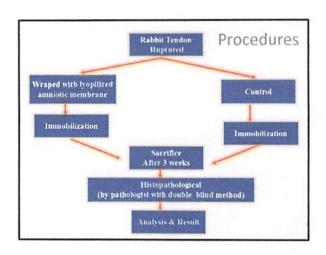


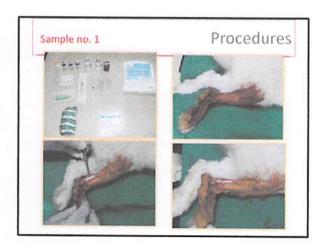


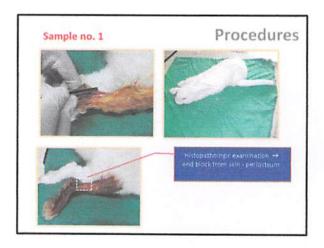
Research Methode

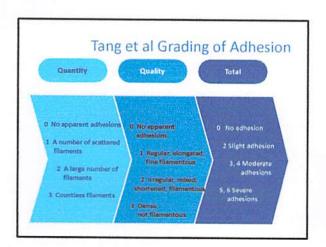
- Experimental study with simple random pattern
- · White rabbits, New Zaeland race
- Sample → Ferderer

RAL (t-1) (n-1) \geq 15 n \geq 16 t = 2

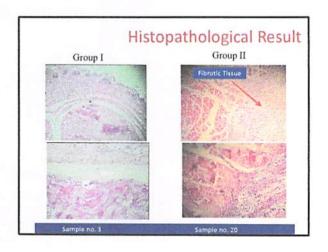








Degree of adhesion according to Tang et al classification		
Sample Group Adhesion Degree	Group I (Lyophilized Amniotic Membrane)	Group II (Control)
No adhesion	6	0
Mild Adhesion	11	0
Moderate Adhesion	0	8
Severe Adhesion	0	9



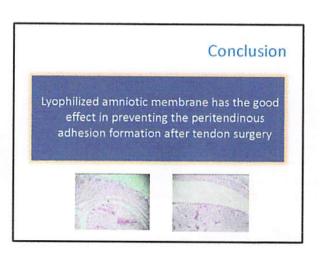
Discussion ■ Prevent the adhesion → tendon healing & gliding 1.24 ■ Dominant intrinsic mechanism 21 ■ Amniotic Membrane → Biological & mechanical 11,12,19

Biomaterial → tissue engineering ¹⁹ Toda et al → Pluripotential cells ¹⁹ Collagen & Growth factor ¹⁹

Discussion

Application: ^{11,39}
 →Opthalmology, ENT, plastic Surgery

■ Research Limitation • Short periode of observation • Evaluation = only histopathological grading



Proposition Further reseach with long time periode observation, healing and strength evaluation Further research to applicate the lyophilized amniotic membran in human tendon ruptures Molecular biology research

