WCHR2017
10th World Congress for Hair Research
Visiting old, find new

Sponsored Seminar

Wig Service in Japan

Date: Wednesday November 1, 2017 16:10~17:10
Location: Kyoto International Conference Center
Room C-2

Chair
Shigeki Inui, M.D., Ph.D.
S Inui Clinic, Osaka, Japan Osaka University

Co-Chair
Yutaka Narisawa, MD., Ph.D.
Saga University

SS-1
On the advanced nature at Japanese hair industry and superiority at products/services
Atsumori Hirai
Artnature Inc

SS-2 (Research collaborated with Aderans)
Technologies of totally custom made wigs
Yuji Hirahara
Aderans Co., Ltd

SS-3 (Research collaborated with Aderans)
Wig for better quality of life of hair loss patients: questionnaire-based evidence
Shigeki Inui, M.D., Ph.D.
S Inui Clinic, Osaka, Japan Osaka University

And more

Sponsored by Aderans
Wig for better quality of life of hair loss patients: questionnaire-based evidence

Shigeki Inui, M.D., Ph.D.

President, S Inui Clinic, Osaka, Japan
Guest Professor, Department of Dermatology, Osaka University School of Medicine, Osaka, Japan

Expertise keywords: dermatology, hair biology, nanomedicine

Hair loss is not life-threatening but its aesthetic impairment profoundly affects the patients’ psychosocial status. Wigs are widely used to camouflage hair loss and expected to have preferential effect on the quality of life (QOL). Then, we investigated the effect of wigs using psychosocial impact of assistive device scale (PIADS), which is a 26-item, self-rating questionnaire, designated to evaluate the effect of assistive devices on perceived QOL. Forty-nine females with AA, who were using a wig or hairpiece, were enrolled in this study. Their age range was 14-76 years (median, 36 years). The 26 questions of PIADS address three QOL indicators such as competence (ability to perform), adaptability (adapt to different tasks) and self-esteem (confidence in performance). The questionnaire is scored from -3 to +3, with a 0 indicating no change and a positive score QOL improvement. Simultaneously, degree of satisfaction to their own look with the wig or hairpiece was measured using a 0-10cm visual analogue scale (VAS). The total PIADS score significantly increased from zero and likewise the quality-of-life indicators such as competence, adaptability and self-esteem were significantly improved from zero (p<0.001, Mann-Whitney’s test). Therefore, wigs or hairpieces improve the perceived psychosocial QOL in the female AA patients. Next, we examined whether the total PIADS score and the indicators of competence, adaptability and self-esteem correlate with VAS for satisfaction. Then, these PIADS scores positively correlated with the VAS scores (p<0.05, Spearman’s rank correlation coefficient), suggesting that cosmetically satisfaction to wigs or hairpieces is an important factor as assistive impact for the patients. Similar results were obtained in androgenetic alopecia and female pattern alopecia.

According to the recent guidelines for AA by British Association of Dermatologists, a wig or hairpiece is recommended as a good practice point but its evidence is based on expert opinion or consensus without supportive clinical data. Then, in this study we quantitatively and statistically examined whether wigs or hairpieces are useful as assistive devices by using PIADS and found that wigs or hairpieces improve the perceived competence, adaptability and self-esteem and the effect correlates with the extent of satisfaction to appearance using wigs.

---

Technologies of totally custom made wigs

Yuji Hirahara

Aderans Co., Ltd Executive Officer
Executive Manager, Business Development Division
General Manager, R&D Department and Beauty & Health Business Development Office

We know that wigs are effective as a means to resolve the problems of hair loss. Wigs are not a medical treatment, but it can reliably provide satisfaction because of the clients’ appearance change. However, in order for the users not to feel inconvenience or discomfort, it is required that quality of wigs is high and it looks natural.

We have developed our own and unique artificial hair in many years of efforts. This makes it possible to provide wigs that are more natural looking and easier to handle.

Hair Advisor, JSHA

As for this artificial hair, it is possible to choose the color, the thickness and other characteristics according to the request of customers. In addition, net and/or skin which we plant the hair, called base, also looks natural. Furthermore, as a response to depletion due to side effects of medication treatment, medical wigs with less burdens on the scalp were developed.

In this session, I will introduce the latest technologies of skin, net and hair for custom made wigs.
Technologies of totally custom made wigs

Yuji Hirahara

Aderyans Co., Ltd Executive Officer
Executive Manager, Business Development Division
General Manager, R&D Department and Beauty & Health Business Development Office

We know that wigs are effective as a means to resolve the problems of hair loss. Wig is not a medical treatment, but it can reliably provide satisfaction because of the clients’ appearance change. However, in order for the users not to feel inconvenience or discomfort, it is required that quality of wigs is high and it looks natural.

We have developed our own and unique artificial hair in many years of efforts. This makes it possible to provide wigs that are more natural looking and easier to handle.

Hair Advisor, USA

As for this artificial hair, it is possible to choose the color, the thickness and other characteristics according to the request of customers. In addition, not and/or skin which we plant the hair, called base, also looks natural. Furthermore, as a response to depletion due to side effects of medication treatment, medical wigs with less burdens on the scalp were developed.

In this session, I will introduce the latest technologies of skin, net and hair for custom made wigs.

Wig for better quality of life of hair loss patients: questionnaire-based evidence

Shigeaki Inui, M.D., Ph.D.
President, S Inui Clinic, Osaka, Japan
Guest Professor, Department of Dermatology, Osaka University School of Medicine, Osaka, Japan

Expertise keywords: dermatology, hair biology, nanomedicine

Hair loss is not life-threatening but its aesthetic impairment profoundly affects the patients’ psychosocial status. Wigs are widely used to camouflage hair loss and expected to have preferential effect on the quality of life (QOL). Then, we investigated the effect of wigs using psychosocial impact of assistive device scale (PIADS), which is a 26-item, self-rating questionnaire, designated to evaluate the effect of assistive devices on perceived QOL. Forty-nine females with AA, who were using a wig or hairpiece, were enrolled in this study. Their age range was 14-76 years (median, 36 years). The 26 questions of PIADS address three QOL indicators such as competence (ability to perform), adaptability (adapt to different tasks) and self-esteem (confidence in performance). The questionnaire is scored from 1 to 4, with 0 indicating no change and a positive score QOL improvement. Simultaneously, degree of satisfaction to their own look with the wig or hairpiece was measured using a 0-10cm visual analogue scale (VAS). The total PIADS score significantly increased from zero and likewise the quality-of-life indicators such as competence, adaptability and self-esteem were significantly improved from zero (p<0.001, Mann-Whitney’s test). Therefore, wigs or hairpieces improve the perceived psychosocial QOL in the female AA patients. Next, we examined whether the total PIADS score and the indicators of competence, adaptability and self-esteem correlate with VAS for satisfaction. Then, these PIADS scores positively correlated with the VAS scores (p<0.05, Spearman’s rank correlation coefficient), suggesting that cosmetically satisfaction to wigs or hairpieces is an important factor as assistive impact for the patients. Similar results were obtained in androgenetic alopecia and female pattern alopecia.

According to the recent guidelines for AA by British Association of Dermatologists, a wig or hairpiece is recommended as a good practice point but its evidence is based on expert opinion or consensus without supportive clinical data. Then, in this study we quantitatively and statistically examined whether wigs or hairpieces are useful as assistive devices by using PIADS and found that wigs or hairpieces improve the perceived competence, adaptability and self-esteem and the effect correlates with the extent of satisfaction to appearance using wigs.

Education
1991 Duke University School of Medicine, Osaka, Japan
1997 Duke University School of Medicine, Dermatology and Biochemistry, Durham, North Carolina, USA
1997-1998 Research associate, Department of Biochemistry, Pathology and Oncology, Duke University School of Medicine, Durham, North Carolina, USA
2000-2004 Associate Professor, Department of Dermatology, Osaka University School of Medicine, Osaka, Japan
2006- Senior staff, Department of Dermatology, Osaka University School of Medicine, Osaka, Japan
2016- President, S Inui Clinic

Professional and Academic Experience
1991-1992 Junior Resident, Department of Dermatology, Osaka University School of Medicine, Osaka, Japan
1992-1993 Medical Staff, Department of Dermatology, Osaka Labor Welfare Hospital, Osaka, Japan
1993-1997 PhD Course, Departments of Dermatology and Biochemistry, Osaka University School of Medicine, Osaka, Japan
1996-1997 Research associate, Departments of Medicine, Comprehensive Cancer Center, University of Wisconsin, Madison, USA
1997-1998 Research associate, Department of Biochemistry, Pathology and Oncology, George H. Whipple Laboratory for Cancer Research, University of Rochester, New York, USA
WCHR2017
10th World Congress for Hair Research
Visiting old, find new

Sponsored Seminar

Wig Service in Japan

Date: Wednesday November 1, 2017 16:10~17:10
Location: Kyoto International Conference Center
Room C-2

Chair
Shigeki Inui, M.D., Ph.D.
S Inui Clinic, Osaka, Japan Osaka University

Co-Chair
Yutaka Narisawa, M.D., Ph.D.
Saga University

SS-1
On the advanced nature at Japanese hair industry and superiority at products/services
Atsumori Hirai
Artnature Inc

SS-2 (Research collaborated with Aderans)
Technologies of totally custom made wigs
Yuji Hirahara
Aderans Co., Ltd

SS-3 (Research collaborated with Aderans)
Wig for better quality of life of hair loss patients: questionnaire-based evidence
Shigeki Inui, M.D., Ph.D.
S Inui Clinic, Osaka, Japan Osaka University

And more