

Specification of Competency Standards
for the Beauty and Hairdressing Industry
Unit of Competency

Unit of Competency is applicable across different functional areas

Title	Mastering the risks and precautions of high-intensity focused ultrasound
Code	110400L4
Range	Master the risks and precautions of high-intensity focused ultrasound aesthetic treatments at workplace related to aesthetic treatments, and formulate relevant safety guidelines
Level	4
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Recognize the limitations and contraindications of high-intensity focused ultrasound treatments</p> <ul style="list-style-type: none"> • Understand the general limitations and contraindications of treatment <ul style="list-style-type: none"> ○ Skin sensitivity: Excessive energy and irritation will increase the inflammation of the skin and make the sensitive situation more serious ○ Skin infections: for e.g.: viruses, bacteria or fungi, ultrasound might induce and spread infections ○ Acne: make the inflammation more serious, or increase the degree of skin damage ○ Immune system deficiencies and disorders: might aggravate the severity of complications, such as wound infections ○ Lupus erythematosus or other connective tissue diseases: might induce or aggravate the severity of complications, such as wound infections ○ Pregnant women: may affect pregnancy, for e.g.: pain might cause uterine contraction, etc. ○ Breastfeeding period: Because various materials are used, the materials might be secreted in breast milk <p>2. Recognize the normal clinical manifestations and complications of high-intensity focused ultrasound treatments</p> <ul style="list-style-type: none"> • Recognize the normal clinical manifestations of high-intensity focused ultrasound therapy, including: skin redness, swelling and pain • Recognize serious related complications, including: skin burns, lipoatrophy, blood vessel and nerve damage • Able to evaluate the status of the customers who may need to be referred to medical personnel for further handling and treatment, and can provide medical personnel with treatment records and customer status <p>3. Recognize (and comply with) the relevant laws and regulations of the treatment course</p> <ul style="list-style-type: none"> • Understand the relevant laws and regulations of the treatment course, including: "Electrical Products (Safety) Regulations" • Evaluate the risks of high-intensity focused ultrasound and formulate guidelines for safety measures <ul style="list-style-type: none"> ○ Able to accurately assess the risks of using high-intensity focused ultrasound, such as burns on the skin (or post-inflammatory pigmentation), burned nerves or burned eyeball tissues ○ Able to recognize and correctly implement high-intensity focused ultrasound safety measures, including: operators, customers and environmental safety equipment

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	<ul style="list-style-type: none"> ○ Understand the relevant guidelines of instrument suppliers or regulatory agencies on the use, repair and maintenance of high-intensity focused ultrasound instrument ○ Understand the methods to protect the rights and interests of consumers, such as insurance needed and legal liabilities ○ Formulate safety guidelines for operators, customers and the environment when using high-intensity focused ultrasound, according to the guidelines of the instrument suppliers and regulatory agencies
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> ● Capable to master the limitations and contraindications of high-intensity focused ultrasound treatments; ● Capable to understand the normal clinical manifestations, non-indications and complications of treatment after high-intensity focused ultrasound treatments; ● Capable to formulate safety guidelines for operators, customers and the environment using high-intensity focused ultrasound instrument in accordance with relevant laws and regulations; and ● Capable to understand some of the adverse reactions after high-intensity focused ultrasound treatments, able to evaluate the status of the customers who may need to be referred to medical personnel for further handling and treatment, and can provide medical personnel with treatment records and customer status
Remark	<p>The credit value of this unit of competency is set on the presumption that the person already possesses the competency of the following units:</p> <ul style="list-style-type: none"> ● 106898L1 [Understanding skin structure and common problems] ● BEZZCN109A [Understanding basic human structure and physiological system] ● BEZZCN210A [Identifying various skin types and how to care for different skin types] ● 110394L3 [Operating and maintaining various aesthetic instrument] ● 110398L3 [Mastering the basic knowledge of high-intensity focused ultrasound] ● 110390L3 [Understanding the mechanism of using aesthetic products with common aesthetic treatments]