

iUBT431 – Facial electrical treatments

URN – M/617/7253

Guided Learning Hours: 250

Learning outcome	Assessment criteria	Taught content to include
LO1 Know electricity in relation to facial electrical treatments	1.1. Explain the structure of an atom	<ul style="list-style-type: none"> • Protons • Neutrons • Electrons • Nucleus • Functions of the above
	1.2. Explain the measurement of electricity	<ul style="list-style-type: none"> • Volts • Watts • Amperes • Ohms • Ohm's law and relevance
	1.3. Explain how to select the correct fuse	<ul style="list-style-type: none"> • Definition of a fuse • 3 amp fuses with an appliance of up to 700 watts • 5 amp fuses with an appliance between 750-1000 watts • 13 amp fuses for appliances between 1000-3000 watts
	1.4. The learner will be able to explain the different types of current used in beauty therapy appliances and the possible high risk involved	<ul style="list-style-type: none"> • Direct • Alternating • Interferential • Indirect • Modified • Interrupted/surged
	1.5. Explain the way in which the currents are produced and their effects on the body tissues	<p>To include the following machines:</p> <ul style="list-style-type: none"> • Faradic – direct interrupted/surged current • High frequency – Alternating– indirect/direct • Galvanic – Direct – iontophoresis/desincrustation

		<ul style="list-style-type: none"> • Microcurrent – Modified direct current • Vacuum suction – creates a vacuum
	1.6. Explain the terms insulator and conductor	<ul style="list-style-type: none"> • Functions of each
	1.7. Explain the function of a transformer and when and why it may be used	<ul style="list-style-type: none"> • Step-up and step-down voltage and the beauty therapy equipment which may contain one
	1.8. Explain the function of a rectifier	<ul style="list-style-type: none"> • Changes AC to DC
	1.9. Explain the salon's and therapist's responsibility under the Health and Safety at Work Act	<ul style="list-style-type: none"> • Safety precautions in the salon when dealing with the general public and their liability
	1.10. Explain responsibilities under the Electricity at Work Act	<ul style="list-style-type: none"> • The therapist's and salon's responsibilities

LO2 Be able to prepare for electrical facial treatments	2.1 Explain and demonstrate the procedure for a nerve sensitivity test	<ul style="list-style-type: none"> • Electrical equipment where it would be necessary to carry out a test first • The procedure for the tactile test • Taking the sharp end of an orange wood stick and a piece of cotton wool and placing them alternately against the skin • Ask the client if they can tell the difference between the sharp and soft sensation
	2.2 Explain and demonstrate the procedure for a heat sensitivity test	<ul style="list-style-type: none"> • The procedure for the thermal test: <ul style="list-style-type: none"> - Take a hot and cold test tube full of water and place alternately against the client's skin to ascertain whether they feel the difference between hot and cold
	2.3 Explain and select appropriate equipment for the client's skin type	<ul style="list-style-type: none"> • Microcurrent • High frequency • Faradic • Galvanic • Vacuum suction
	2.4 Explain and demonstrate how to set up the equipment and check it is in good working order	<ul style="list-style-type: none"> • Check there are no loose wires • Check there are no trailing wires • Check there is no water in the area • Test the equipment on therapist first • Explain the treatment and the sensation to the client • Ensure all attachments are sterilised before and after use on the client

		<ul style="list-style-type: none"> • Check all jewellery has been removed from both client and therapist (religious jewellery should be taped) Do not make any contact with any metal articles
	2.5 Explain and demonstrate underpinning knowledge of the type of current used, indications for use, treatment effects, length and frequency of use	<ul style="list-style-type: none"> • Faradic • Galvanic • Microcurrent • Vacuum suction • High frequency

LO3 Be able to carry out galvanic treatments – iontophoresis/desincrustation	3.1. Explain and demonstrate how to prepare the client appropriately	<ul style="list-style-type: none"> • Cleanse and prepare the skin prior to electrical treatment
	3.2. Explain and check for contra-indications	<ul style="list-style-type: none"> • With medical, GP or specialist permission – In circumstances where written medical permission cannot be obtained, the client must sign an informed consent stating that the treatment and its effects has been fully explained to them and confirm that they are willing to proceed without permission from their G.P. or specialist <ul style="list-style-type: none"> - Pregnancy - Cardiovascular conditions (thrombosis, phlebitis, hypertension, hypo-tension, heart conditions) - Haemophilia - Any condition already being treated by a GP or another practitioner - Medical oedema - Osteoporosis - Nervous/psychotic conditions - Epilepsy - Recent operations - Diabetes - Asthma - Any dysfunction of the nervous system (e.g. Multiple Sclerosis, Parkinson's disease, Motor neurone disease) - Bell's palsy - Trapped/pinched nerve - Inflamed nerve - Conditions causing muscular spasticity (e.g. cerebral palsy) - Kidney infections - Urinary infections

		<ul style="list-style-type: none"> - Acute rheumatism - Undiagnosed facial pain - When taking prescribed medication - Cancer treatment • Contra-indications that restrict treatment <ul style="list-style-type: none"> - Fever - Contagious or infectious diseases - Under the influence of recreational drugs or alcohol - Cancer - Diarrhoea and vomiting - Hypersensitive skin - Skin diseases - Undiagnosed lumps and bumps - Localised swelling - Inflammation - Cuts - Bruises - Abrasions - Scar tissues (2 years for major operation and 6 months for a small scar) - Sunburn - Hormonal implants - Haematoma - Recent fractures (minimum 3 months) - Cervical spondylitis - Any metal pins or plates - Loss of skin sensation (test with tactile test) - Sinusitis - Botox/dermal fillers (1 week following treatment) - Anaphylaxis - Body/face piercing - Pacemaker - Micropigmentation - Recent dermabrasion - IPL/Laser - Epilation
	3.3. Explain and demonstrate application of the treatment safely and effectively for the advised treatment time	<ul style="list-style-type: none"> • Adhere to all safety precautions • Apply the appropriate gel ensuring minimal wastage • Use the correct intensity of current

		<ul style="list-style-type: none"> • Lower the intensity of the current when working on bony areas • Use the machine safely for the required amount of time • Ensure an appropriate electrode is selected for the treatment • Ensure the galvanic electrodes do not lose contact with the skin or come into contact with each other during the treatment • Therapist should check machine before use • Test equipment on self before use
	3.4. Explain and demonstrate how to conclude the treatment safely and sterilise all the used electrodes	<ul style="list-style-type: none"> • Ensure the electrodes remain in contact with the client's skin until after the intensity has been zeroed • Detach and sterilise all electrodes
	3.5. Explain and demonstrate removal of any excess product from the skin	<ul style="list-style-type: none"> • Wipe the area with damp cotton wool or sponges to remove any product
	3.6. Explain and give aftercare and home care advice for the client's skin type	<ul style="list-style-type: none"> • Healthy eating • Skincare • General lifestyle • Avoidance of activities which may cause contra-actions • Further treatment recommendation and frequency • Advice on products
	3.7. Explain and recognise possible contra-actions and how to deal with them	<ul style="list-style-type: none"> • Caustic burn • Galvanic burn • Allergic reaction • Skin irritation • How to respond if a contra-action occurs
	3.8. Demonstrate the ability to work within time limits acceptable to industry	<ul style="list-style-type: none"> • The treatment should be performed for the required amount of time efficiently and professionally ensuring the working area remains clean and tidy throughout
	3.9. Explain and demonstrate how to update client records accurately	<ul style="list-style-type: none"> • The treatment performed • Products used • Treatment time • Machine settings • Any skin reactions • Treatment plan • Advice given for future treatments and appropriate intervals • Products recommended for home care

		<ul style="list-style-type: none"> Record and store in line with current data protection legislation and professional codes of conduct
LO4 Be able to carry out high frequency treatments – direct and indirect	4.1. Explain and demonstrate how to prepare the client accordingly	<ul style="list-style-type: none"> Cleanse and prepare the skin prior to electrical treatment For direct – apply talc to the skin or gauze and oxygenating cream For indirect – apply cream or oil
	4.2. Explain and check for contra-indications	<ul style="list-style-type: none"> With medical, GP or specialist permission – In circumstances where written medical permission cannot be obtained, the client must sign an informed consent stating that the treatment and its effects have been fully explained to them and confirm that they are willing to proceed without permission from their G.P. or specialist <ul style="list-style-type: none"> Pregnancy Cardiovascular conditions (thrombosis, phlebitis, hypertension, hypo-tension, heart conditions) Haemophilia Any condition already being treated by a GP or another practitioner Medical oedema Osteoporosis Nervous/psychotic conditions Epilepsy Recent operations Diabetes Asthma Any dysfunction of the nervous system (e.g. Multiple Sclerosis, Parkinson's disease, Motor neurone disease) Bell's palsy Trapped/pinched nerve Inflamed nerve Conditions causing muscular spasticity (e.g. cerebral palsy) Kidney infections Acute rheumatism Undiagnosed facial pain When taking prescribed medication Cancer treatment Contra-indications that restrict treatment <ul style="list-style-type: none"> Fever

		<ul style="list-style-type: none"> - Contagious or infectious diseases - Under the influence of recreational drugs or alcohol - Cancer - Diarrhoea and vomiting - Hypersensitive skin - Skin diseases - Undiagnosed lumps and bumps - Localised swelling - Inflammation - Cuts - Bruises - Abrasions - Scar tissues (2 years for major operation and 6 months for a small scar) - Sunburn - Hormonal implants - Haematoma - Recent fractures (minimum 3 months) - Cervical spondylitis - Any metal pins or plates - Loss of skin sensation (test with tactile test) - Sinusitis - Broken capillaries - Botox/dermal fillers (1 week following treatment) - Anaphylaxis - Pacemaker - Body/face piercing - Excessive erythema - Micropigmentation - Recent dermabrasion - IPL/Laser - Epilation
	4.3. Explain and demonstrate application of the treatment safely and effectively for the advised treatment time	<ul style="list-style-type: none"> • Adhere to all safety precautions • Use the correct intensity of current and ensure it is tolerable to the client • Lower the intensity of the current over bony areas • Use the machine safely for the required amount of time • Direct – do not lift the electrode away from the skin

		<ul style="list-style-type: none"> • Indirect – do not let the hands break contact with the skin and do not use any tapotement movements • Therapist should check machine before use • Test equipment on self prior to treatment
	4.4. Explain and demonstrate how to conclude the treatment safely and sterilise all the used electrodes	<ul style="list-style-type: none"> • Ensuring the electrode/hands remain in contact with the client's skin until after the intensity has been zeroed • Detach and sterilise all electrodes
	4.5. Explain and demonstrate removal of any excess product from the skin	<ul style="list-style-type: none"> • Wipe the area with damp cotton wool or sponges to remove any product where appropriate
	4.6. Explain and give aftercare and home care advice for the client's condition	<ul style="list-style-type: none"> • Healthy eating • Skin care • General lifestyle • Avoidance of activities that may cause contra-actions • Recommendations for further treatments and frequency • Advice on products
	4.7. Explain possible contra-actions and how to deal with them	<ul style="list-style-type: none"> • Excessive erythema • Tissue destruction (sparking)
	4.8. Demonstrate the ability to work within time limits acceptable to industry	<ul style="list-style-type: none"> • The treatment should be performed for the required amount of time efficiently and professionally ensuring the working area remains hygienic and tidy throughout
	4.9. Explain and demonstrate how to update client records accurately	<ul style="list-style-type: none"> • The treatment performed • Products used • Machine settings • Treatment time • Any skin reactions • Treatment plan • Advice given for further treatments and appropriate intervals between treatments • Record and store in line with current data protection legislation and professional codes of conduct
LO5 Be able to carry out microcurrent treatments	5.1. Explain and demonstrate how to prepare the client accordingly	<ul style="list-style-type: none"> • Cleanse and prepare the skin prior to electrical treatment

	<p>5.2. Explain and check for contra-indications</p>	<ul style="list-style-type: none"> • With medical, GP or specialist permission – In circumstances where written medical permission cannot be obtained, the client must sign an informed consent stating that the treatment and its effects have been fully explained to them and confirm that they are willing to proceed without permission from their G.P. or specialist <ul style="list-style-type: none"> - Pregnancy - Cardiovascular conditions (thrombosis, phlebitis, hypertension, hypo-tension, heart conditions) - Haemophilia - Any condition already being treated by a GP or another practitioner - Medical oedema - Osteoporosis - Nervous/psychotic conditions - Epilepsy - Recent operations - Diabetes - Asthma - Any dysfunction of the nervous system (e.g. Multiple Sclerosis, Parkinson's disease, Motor neurone disease) - Bell's palsy - Trapped/pinched nerve - Inflamed nerve - Conditions causing muscular spasticity (e.g. cerebral palsy) - Kidney infections - Urinary infections - Acute rheumatism - Undiagnosed facial pain - When taking prescribed medication - Cancer treatment • Contra-indications that restrict treatment <ul style="list-style-type: none"> - Fever - Contagious or infectious diseases - Under the influence of recreational drugs or alcohol - Cancer - Diarrhoea and vomiting - Botox/dermal fillers (until entire course completed) - Skin diseases - Undiagnosed lumps and bumps
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		<ul style="list-style-type: none"> - Localised swelling - Inflammation - Cuts - Bruises - Abrasions - Scar tissues (2 years for major operation and 6 months for a small scar) - Sunburn - Hormonal implants - Haematoma - Recent fractures (minimum 3 months) - Cervical spondylitis - Any metal pins or plates - Loss of skin sensation (test with tactile test) - Sinusitis - Anaphylaxis - Body/face piercing - Pacemaker - Micropigmentation - Recent dermabrasion - IPL/Laser - Epilation
	5.3. Explain and demonstrate application of the treatment safely and effectively for the advised treatment time	<ul style="list-style-type: none"> • Sine • Ramp • Square wave forms • Adhere to all safety precautions • Use the correct intensity of current • Use the machine safely for the required amount of time • Therapist should check machine before use • Test equipment on self, prior to treatment
	5.4. Demonstrate how to conclude the treatment safely and sterilise all the used electrodes	<ul style="list-style-type: none"> • Finish treatment, zero the machine • Detach and sterilise all electrodes
	5.5. Explain and demonstrate removal of any excess product from the skin	<ul style="list-style-type: none"> • Wipe the area with damp cotton wool or sponges to remove any product • Apply aftercare when and if appropriate or continue with further treatment

	5.6. Explain and give aftercare and home care advice for the client's condition	<ul style="list-style-type: none"> • Healthy eating • Skincare • General lifestyle • Avoidance of activities that may cause contra-actions • Recommendations for further treatments and appropriate intervals between treatments • Advice on products
	5.7. Explain possible contra-actions and how to deal with them	<ul style="list-style-type: none"> • Skin irritation • Mild erythema
	5.8. Demonstrate the ability to work within time limits acceptable to industry	<ul style="list-style-type: none"> • The treatment should be performed for the required amount of time efficiently and professionally ensuring the working area remains hygienic and tidy throughout
	5.9. Explain and demonstrate how to update client records accurately	<ul style="list-style-type: none"> • The treatment performed • Products used • Treatment time • Machine settings • Any skin reactions • Treatment plan • Advice given for further treatments and frequency • Record and store in line with current data protection legislation and professional codes of conduct

LO6 Be able to carry out vacuum suction treatments	6.1. Explain and demonstrate how to prepare the client accordingly	<ul style="list-style-type: none"> • Cleanse and prepare the skin prior to electrical treatment
	6.2. Explain and check for contra-indications	<ul style="list-style-type: none"> • With medical, GP or specialist permission – In circumstances where written medical permission cannot be obtained, the client must sign an informed consent stating that the treatment and its effects have been fully explained to them and confirm that they are willing to proceed without permission from their G.P. or specialist <ul style="list-style-type: none"> - Pregnancy - Cardiovascular conditions (thrombosis, phlebitis, hypertension, hypo-tension, heart conditions) - Haemophilia - Any condition already being treated by a GP or another practitioner - Medical oedema

		<ul style="list-style-type: none"> - Osteoporosis - Nervous/psychotic conditions - Epilepsy - Recent operations - Diabetes - Asthma - Any dysfunction of the nervous system (e.g. Multiple Sclerosis, Parkinson's disease, Motor neurone disease) - Bell's palsy - Trapped/pinched nerve - Inflamed nerve - Conditions causing muscular spasticity (e.g. cerebral palsy) - Kidney infections - Acute rheumatism - Undiagnosed facial pain - When taking prescribed medication - Cancer treatment • Contra-indications that restrict treatment <ul style="list-style-type: none"> - Fever - Contagious or infectious diseases - Under the influence of recreational drugs or alcohol - Cancer - Diarrhoea and vomiting - Hypersensitive skin - Skin diseases - Undiagnosed lumps and bumps - Localised swelling - Inflammation - Cuts - Bruises - Abrasions - Scar tissues (2 years for major operation and 6 months for a small scar) - Sunburn - Hormonal implants - Haematoma - Recent fractures (minimum 3 months) - Cervical spondylitis - Any metal pins or plates
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		<ul style="list-style-type: none"> - Loss of skin sensation (test with tactile test) - Sinusitis - Broken capillaries - Loose crepey skin - Botox/dermal fillers (1 week following treatment) - Anaphylaxis - Body/face piercing - Pacemaker - Thin skin - Hirsutism - Micropigmentation - Recent dermabrasion - IPL/Laser - Epilation
	6.3. Explain and demonstrate application of the treatment safely and effectively for the advised treatment time	<ul style="list-style-type: none"> • Adhere to all safety precautions • Use the correct intensity of Vacuum (reduced pressure) • Use the machine safely for the required amount of time • Therapist should check machine before use
	6.4. Demonstrate how to conclude the treatment safely and sterilise all the used tubes and ventouses	<ul style="list-style-type: none"> • Ensuring the ventouse remains in contact with the client's skin until after the intensity has been zeroed • Detach and sterilise all tubing and ventouses
	6.5. Explain and demonstrate removal of any excess product from the skin	<ul style="list-style-type: none"> • Wipe the area with damp cotton wool or sponges to remove any product • Continue with further treatment if appropriate
	6.6. Explain and give aftercare and home care advice for the client's condition	<ul style="list-style-type: none"> • Healthy eating • Skincare • General lifestyle • Avoidance of activities which may cause contra-actions • Future treatment recommendations and appropriate intervals between treatments
	6.7. Explain possible contra-actions and how to deal with them	<ul style="list-style-type: none"> • Excessive erythema • Bruising
	6.8. Demonstrate the ability to work within time limits acceptable to industry	<ul style="list-style-type: none"> • The treatment should be performed for the required amount of time efficiently and professionally ensuring the working area remains clean and tidy throughout

	6.9. Explain and demonstrate how to update client records accurately	<ul style="list-style-type: none"> • The treatment performed • Products used • Treatment time • Machine settings • Any skin reactions • Treatment plan • Recommendations for further treatments and frequency • Recommended products • Record and store in line with current data protection legislation and professional codes of conduct
LO7 Be able to carry out faradic treatments	7.1. Explain and demonstrate how to prepare the client accordingly	<ul style="list-style-type: none"> • Cleanse and prepare the skin prior to electrical treatment
	7.2. Explain and check for contra-indications	<ul style="list-style-type: none"> • With medical, GP or specialist permission – In circumstances where written medical permission cannot be obtained, the client must sign an informed consent stating that the treatment and its effects have been fully explained to them and confirm that they are willing to proceed without permission from their G.P. or specialist <ul style="list-style-type: none"> - Pregnancy - Cardiovascular conditions (thrombosis, phlebitis, hypertension, hypo-tension, heart conditions) - Haemophilia - Any condition already being treated by a GP or another practitioner - Medical oedema - Osteoporosis - Nervous/psychotic conditions - Epilepsy - Recent operations - Diabetes - Asthma - Any dysfunction of the nervous system (e.g. Multiple Sclerosis, Parkinson's disease, Motor neurone disease) - Bell's palsy - Trapped/pinched nerve - Inflamed nerve - Conditions causing muscular spasticity (e.g. cerebral palsy)

		<ul style="list-style-type: none"> - Kidney infections - Acute rheumatism - Undiagnosed facial pain - When taking prescribed medication - Cancer treatment • Contra-indications that restrict treatment <ul style="list-style-type: none"> - Fever - Contagious or infectious diseases - Under the influence of recreational drugs or alcohol - Cancer - Diarrhoea and vomiting - Hypersensitive skin - Skin diseases - Undiagnosed lumps and bumps - Localised swelling - Inflammation - Cuts - Bruises - Abrasions - Scar tissues (2 years for major operation and 6 months for a small scar) - Sunburn - Hormonal implants - Haematoma - Recent fractures (minimum 3 months) - Cervical spondylitis - Any metal pins or plates - Loss of skin sensation (test with tactile test) - Sinusitis - Botox/dermal fillers (1 week following treatment) - Anaphylaxis - Body/face piercing - Pacemaker - Micropigmentation - Recent dermabrasion - IPL/Laser - Epilation
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	7.3. Explain and demonstrate application of the treatment safely and effectively for the advised treatment time	<ul style="list-style-type: none"> • Adhere to all safety precautions • Stimulate the muscles in the areas to be treated correctly • Ensure the electrode is dampened with saline solution to increase the conductivity of the current • Use the correct intensity of current required to produce a visible contraction • Use the machine safely for the required amount of time • Only increase the current in the stimulation period NOT the interval • Do not move the electrode with current flowing • Therapist should check machine before use
	7.4. Explain the different types of frequencies	<ul style="list-style-type: none"> • Monophasic • Biphasic
	7.5. Demonstrate how to conclude the treatment safely and sterilise all the used pads	<ul style="list-style-type: none"> • Ensuring the electrode remains in contact with the client's skin until after the intensity has been zeroed
	7.6. Explain and demonstrate removal of any excess product from the skin	<ul style="list-style-type: none"> • Wipe the area with damp cotton wool or sponges to remove any saline
	7.7. Explain and give aftercare and home care advice for the client's condition	<ul style="list-style-type: none"> • Healthy eating • Skincare • General lifestyle • Avoidance of activities that may cause contra-actions • Recommendations for further treatments and time intervals between treatments • Advice on products
	7.8. Explain possible contra-actions and how to deal with them	<ul style="list-style-type: none"> • Muscle fatigue
	7.9. Demonstrate the ability to work within time limits acceptable to industry	<ul style="list-style-type: none"> • The treatment should be performed for the required amount of time efficiently and professionally ensuring the working area remains clean and tidy throughout
	7.10. Explain and demonstrate how to update client records accurately	<ul style="list-style-type: none"> • The treatment performed • Products used • Treatment time • Machine settings • Any reactions • Treatment plan

		<ul style="list-style-type: none"> • Recommendations for further treatments and frequency of treatments • Advice on products • Record and store in line with current data protection legislation and professional codes of conduct
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Assessment	
<p>Portfolio of evidence containing:</p> <ul style="list-style-type: none"> • Evidence of treating 5 clients (using a minimum of 2 suitable facial electrical treatments per client) • Practical examination • MCQ 	<p>These treatment evidence are internally assessed by the college lecturer and verified by the external examiner to include:</p> <ul style="list-style-type: none"> • Consultation • Medical history • Treatment details • Client feedback • Aftercare and home care advice <p>Treatments should be evidenced through the consultation form. See www.itecworld.co.uk for a sample consultation form and evidence of treatment guidance form</p> <p>Learners should cover the full range of equipment throughout their treatments with evidence (to be documented)</p>

Guide to taught content
<p>The content contained within the unit specification is not prescriptive or exhaustive but is intended to provide helpful guidance to teachers and learners with the key areas that will be covered within the unit, and, relating to the kinds of evidence that should be provided for each assessment objective specific to the unit learning outcomes.</p>

Document History

Version	Issue Date	Changes	Role
v1	17/09/2019	First published	Qualifications and Regulation Co-ordinator
v2	03/10/2019	Amended A.C. numbering	Qualifications and Regulation Co-ordinator
v3	21/01/2020	Amended incorrect A.C. and taught content in LO1 and LO7	Qualifications and Regulation Co-ordinator
v4	05/11/2020	Clarified contra-indications in 7.2	Product and Regulation Manager