



Certificate

Registered with number 14554461

Pennsylvania British international College

IT IS HEREBY CERTIFY THAT

Amna Dahy Mohamed Radwan

Upon recommendation of the Pennsylvania British international College
and in recognition of fulfillment of the prescribed requirements

PhD in Non-Surgical Aesthetics

With all its right and Privileges in the witness whereof the seal of the Pennsylvania British international College hereunto affixed

Crt - Code : UN-9421

Srn : 09544328001

Issued on : 2025

This certificate has been given at his request to be submitted to those who are interested in it

Grade : Excellent

UKRLP 10097269

IQ ZB835594





شهادة

كلية بنسلفانيا البريطانية الدولية

Registered with number 14554461

تشهد بأن

أمنه ضاحي محمد رضوان

بناء على توصية من مجلس الكلية إقراراً منها باستيفاءه المتطلبات المقررة

دكتوراه في التجميل غير جراحي

ومراعاة لكامل حقوق وامتيازات الشهادة تم وضع ختم كلية بنسلفانيا البريطانية

الدولية في هذه الوثيقة

UKRLP 10097269

IQ ZB835594

التقدير - امتياز

رقم التسجيل : UN-9421

صدرت بتاريخ : 2025

وقد أعطى هذه الشهادة بناء على طلبها لتقديمها الى المهتمين بها





Pennsylvania British International College

Name : Amna Dahy Mohamed Radwan

Nationality: Egyptian

Student ID: UN-9421

Graduation Date: 2025

Program: PhD in Non-Surgical Aesthetics



Erasmus+

Erasmus+

#DiscoverEU

<i>N</i>	<i>Subject</i>	<i>The Ratio Quality</i>	<i>Grade</i>
1	Mesobotox	3.50	B
2	Hyperhidrosis	4.05	A
3	Nose Botox	4.08	A+
4	Eye lid lifting by Botox	3.50	B
5	Marionette lines	4.07	A
6	Chin	3.50	B
7	Masseter Botox	4.05	A
8	Neck Botox	4.08	A+



Evaluation Criteria for the Doctorate Programs

Study Duration = 2023 To 2025

PhD in Non-Surgical Aesthetics

OFFICIAL TRANSCRIPT

GPA = 85.3



Dean Office





Dean Office



Certificate

We hereby certify that the Doctorate degree.
after completing his professional studies,
It is an unfiled professional program.

Certified in the UK

Which measures the required skills
For postgraduate studies

College reference number I have the British government.
number 14554461

Surgical Aesthetics (SIC)

85320 - Technical and vocational secondary education

85421 - First-degree level higher education

85422 - Post-graduate level higher education

85600 - Educational support services





Dean Office

Certificate

PhD in Non-Surgical Aesthetics

Certificate that Amna Dahy Mohamed Radwan
Registered in the PhD in Non-Surgical Aesthetics
Registration No.: UN-9421 Under the su
pervision of Dr. Arthur Alexander
He accepted and submitted
a Doctorate degree at the end of his studies
Graduation project entitled

Applications of Mesenchymal Stem Cells in Skin Regeneration and Rejuvenation

Accepted by:

Major Professor: Jon Edoar
Committee Member - Meshel Jon
Committee Member, Tsherl Couto,
External Reader Mariam Samon

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Dean Office

Certificate Graduation letter

To whom it May concern

Based on the approval of Pennsylvania British international College
and the approval of the college president in
accordance with the powers delegated to him by
the Council in accordance with Resolution No. (425)

We acknowledge granting
the student Amna Dahy Mohamed Radwan
PhD in Non-Surgical Aesthetics with a grade of distinction with honors,
with the approval of the research that
was submitted by the student in

**Applications of Mesenchymal Stem
Cells in Skin Regeneration and
and Rejuvenation**

Crt - Code : UN-9421

Srn 09544328001



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The Research Presented

Thesis Title

Applications of Mesenchymal Stem Cells in Skin Regeneration and Rejuvenation

Mesenchymal stem cells (MSCs) are multipotent stem cells derived from adult stem cells. Primary MSCs can be obtained from diverse sources, including bone marrow, adipose tissue, and umbilical cord blood. Recently, MSCs have been recognized as therapeutic agents for skin regeneration and rejuvenation. The skin can be damaged by wounds, caused by cutting or breaking of the tissue, and burns. Moreover, skin aging is a process that occurs naturally but can be worsened by environmental pollution, exposure to ultraviolet radiation, alcohol consumption, tobacco use, and undernourishment. MSCs have healing capacities that can be applied in damaged and aged skin. In skin regeneration, MSCs increase cell proliferation and neovascularization, and decrease inflammation in skin injury lesions. In skin rejuvenation, MSCs lead to production of collagen and elastic fibers, inhibition of metalloproteinase activation, and promote protection from ultraviolet radiation-induced senescence. In this review, we focus on how MSCs and MSC-derived molecules improve diseased and aged skin. Additionally, we emphasize that induced pluripotent stem cell (iPSC)-derived MSCs are potentially advanced MSCs, which are suitable for cell therapy.

Keywords: mesenchymal stem cells, skin regeneration, wound healing, skin rejuvenation, antiaging, induced pluripotent stem cell





Name : Amna Dahy Mohamed Radwan

Nationality: Egyptian
ID Student: UN-9421



Degree Program: PhD in Non-Surgical Aesthetics

Congratulations, it is a pleasure for Penn International College to accept you as a student in the PhD in Non-Surgical Aesthetics

We would like to welcome you to Pennsylvania British International College

We thank you for choosing us to help you build your future

Discussion of a PhD in Non-Surgical Aesthetics

Cosmetic Surgery Placement Exam

All Penn College International Program students are required to take a Surgical Aesthetics proficiency test and the number of courses you will be required to take before or during regular academic study. Courses at Pennsylvania British International College Please see the competency standards in the field of communication, behavior modification, and communication. With regard to the field of Surgical Aesthetics

Guidance

Orientation

The Office of International Affairs will provide a new student orientation (date TBD) to educate you about Penn International College. International Student Issues and Immigration Matters, Fall 2022, 2024
Classes begin in 2022

Immigration Information

The International Affairs Office will provide you with all data and information about the subjects to be studied, through your e-mail
For questions, please contact



Dean Office





**PENNSYLVANIA BRITISH
INTERNATIONAL - COLLEGE**

STU-ID : 9421

F-NAME: Amna Dahy Mohamed Radwan

Program : PhD in Non-Surgical Aesthetics

