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## **List of Abbreviations**

<b>ADM</b>	: Acellular dermal matrix
<b>ADSCs</b>	: Adipose-derived stem cells.
<b>CAL</b>	: Cell-Assisted Lipotransfer
<b>DIEP</b>	: Deep inferior epigastric artery perforator
<b>ES</b>	: Human embryonic stem cells
<b>ICM</b>	: inner cell mass
<b>iPSCs</b>	: Induced pluripotent stem cells
<b>LDMF</b>	: Latissimus dorsi muscle flap
<b>NAC</b>	: Nipple-areola complex
<b>SIEA</b>	: Superficial Inferior Epigastric Artery Flap
<b>SSEA</b>	: Stage-specific embryonic antigen
<b>SVF</b>	: Stromal vascular fraction
<b>TRAM</b>	: Transverse rectus abdominis myocutaneous flap
<b>TUG</b>	: Transverse upper gracilis flap

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# Introduction

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# Aim of the Work

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# Breast Anatomy

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# Methods of Breast Reconstruction

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# Application of Stem Cells in Breast Reconstruction

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# Summary

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# References

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# Arabic Summary

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# **Recent Trends in Breast Reconstruction Using Stem Cells**

*Essay*

*Submitted For Partial Fulfillment of Master Degree  
in General Surgery*

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# الطرق المستحدثة في إعادة بناء الثدي باستخدام الخلايا الجذعية

توطئة للحصول على درجة الماجستير في الجراحة العامة

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