

The outcome of calcium homeostasis
after total parathyroidectomy in
hyperparathyroidism with auto
transplantation

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

﴿قالوا سبحانك لا علم لنا إلا ما

علمتنا إنك أنت العليم الحكيم﴾

صَدَقَ اللَّهُ الْعَظِيمُ

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LIST OF ABBREVIATIONS

1.25 (OH)2D3:	1-25-hydroxycholecalceferol
5-HIAA:	5-hydroxyindole- acctic acid
AT Pase:	Adenosine Triphosphatase.
BMD:	Bone mineral density.
Ca ²⁺ :	Calcium ions or ionized calcium.
CAMP	Cyclic adenosine monophosphate.
Cc:	Cubic centimeters:
Ccr&Cca:	Creatinine clearance & Calcium clearance
Cm:	Centimeter.
CT scanning:	Computed tomography scanning
cTAL:	Cortical thick ascending limb of loop of Henel.
EAMIP:	Endoscopically assisted, minimally invasive parathyroidectomy.
FHH:	Familial hypocalciurichypercalcemia.

FNA:	Fine Needle Aspiration biopsy
GIT:	Gastrointestinal tract.
HBS:	Hungry bone syndrome
HPT	Hyperparathyroidism
IOPTH:	Intraoperative PTH measurement
iPTH:	Intraoperative rapid parathyroidhormone.
IV:	Intravenous
LA:	Local anesthesia
Mg/dL:	Miligram per deciliter.
Mg/kg:	Miligram per kilogram
Mg/kg:	Miligram per kilogram
Mg:	Magnesium ions or ionized magnesium
Mg:	Magnesium ions or ionized magnesium
MIP:	Minimally invasive parathyroidectomy.
MIP:	Minimally invasive parathyroidectomy.

MIRP:	Minimally invasive radio- guided parathyroidectomy
MIRP:	Minimally invasive radio- guided parathyroidectomy
MIVAP:	Minimally invasive videoscopically assisted parathyroidectomy.
MIVAP:	Minimally invasive videoscopically assisted parathyroidectomy.
Mm:	Millimeter
Mm:	Millimeter
MRI:	Magnetic resonance imaging
MRI:	Magnetic resonance imaging
Na:	Sodium ions.
Na:	Sodium ions.
NaPi:	Sodium – (inorganic) phosphate Cotransporters.
NaPi:	Sodium – (inorganic) phosphate Cotransporters.

NIH:	National Institutes of Health.
NIH:	National Institutes of Health.
Nmol/L:	Nano mol per liter.
Nmol/L:	Nano mol per liter.
Pg/dL:	Pico gram per deciliter.
Pg/dL:	Pico gram per deciliter.
PHPT:	Primary hyperparathyroidism
PTH	Parathyroid hormone
PTHrP:	PTH-related protein
PTHrP:	PTH-related protein
PTX	Parathyroidectomy
RET	Reticulo endothelial tissue
SM:	SestaMibi
SPECT:	Single photon emission computed tomography.
SPECT:	Single photon emission computed tomography.

TC-MIBI:	Technetium/2 MethoxyIsoButyIsonitrite
TC-MIBI:	Technetium/2 MethoxyIsoButyIsonitrite
Th – Te subtraction scanning:	Thallium 201- Technetium 99 subtraction scanning.
Th – Te subtraction scanning:	Thallium 201- Technetium 99 subtraction scanning.
UELA:	Unilateral exploration under local anesthtic.
UELA:	Unilateral exploration under local anesthtic.
VATS:	Video- assitsted thoracic surgery
VATS:	Video- assitsted thoracic surgery