

**ROLE OF DIAGNOSTIC AND INTERVENTIONAL
RADIOLOGY IN THE DIAGNOSIS AND
TREATMENT
OF
INTRACRANIAL ANEURYSMS AND
ARTERIOVENOUS MALFORMATIONS.**

A Thesis submitted for partial fulfillment of M.D. degree in radiodiagnosis

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TO MY FAMILY

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CONTENTS

<u>CONTENT</u>	<u>PAGE</u>
❖ List of tables	
❖ List of figures	
❖ List of abbreviations	
❖ Introduction & aim of the work	(١)
❖ Anatomy	(٣)
❖ Pathology	(٥٥)
❖ Technique	(٧٨)
❖ Material & methods	(١١٢)
❖ Results & illustrative cases	(١١٦)
❖ Discussion	(١٩٧)
❖ Summary & conclusion	(٢٠٨)
❖ References	(٢١١)
❖ Arabic summary	

LIST OF TABLES

TABLE	CONTENT	PAGE
Table ١	Hunt & Hess classification	٦١
Table ٢	World federation of neurological surgeons' classification	٦٢
Table ٣	AVM grading system	٧٢
Table ٤	Age and sex distribution	١١٦
Table ٥	Clinical presentation	١١٦
Table ٦	Hunt and Hess grading among aneurysm group	١١٧
Table ٧	Fischer classification among aneurysm group	١١٧
Table ٨	Sites of the aneurysms	١١٨
Table ٩	Size of the aneurysms	١١٨
Table ١٠	Sensitivity , specificity , positive predictive value and negative predictive value of CTA in relation to DSA	١١٩
Table ١١	Sensitivity , specificity , positive predictive value and negative predictive value of MRA in relation to DSA	١١٩
Table ١٢	Complications of aneurysm management	١٢٠
Table ١٣	Outcome of aneurysm management	١٢٠
Table ١٤	Relation between the outcome of interventional management of the aneurysms and Hunt & Hess grade	١٢١
Table ١٥	Relation between the procedural and post procedural complications Hunt & Hess grade	١٢٢
Table ١٦	AVM score	١٢٢
Table ١٧	Complications of AVM management	١٢٣
Table ١٨	Outcome of AVM management	١٢٣

LIST OF FIGURES

FIGURE	CONTENT	PAGE
Fig (١)	Lateral anatomic diagram depicts the various internal carotid artery segments.	٤
Fig (٢)	Normal aortic arch angiogram (left anterior oblique view)	٧
Fig (٣)	selective injection of non-bifurcating carotid artery (lateral and AP views) showing aberrant course of petrous part of internal carotid artery	١٠
Fig (٤)	Lateral view of internal carotid artery conventional angiogram and MRA showing a persistent trigeminal artery	١١
Fig (٥)	AP diagram showing the anterior cerebral arteries and their branches	١٥
Fig (٦)	Normal internal carotid artery angiogram (AP and lateral views).	١٧
Fig (٧)	MRA shows single (azygos) anterior cerebral artery	١٨
Fig (٨)	Internal carotid artery angiogram (AP view) shows different segment and branches of the middle cerebral artery	٢١
Fig (٩)	Left internal carotid artery angiogram (lateral view) shows the different middle cerebral artery segments as well as the sylvian triangle.	٢٢
Fig (١٠)	Anatomic diagram showing the vertebral artery segments	٢٥
Fig (١١)	Aortic arch angiogram (oblique view) shows the origin ob both vertebral arteries	٢٦
Fig (١٢)	Normal left vertebral artery angiogram (AP and lateral views) showing bony landmarks	٢٧
Fig (١٣)	Aortic arch angiogram (LAO view) shows aortic arch origin of left vertebral artery (arrow)	٢٨
Fig (١٤)	Left vertebral angiogram (lateral view) shows the posterior inferior cerebellar artery and some of its branches	٢٩
Fig (١٥)	Normal Left vertebral angiogram (AP view) showing its branches	٣١
Fig (١٦)	Left carotid angiogram (lateral view) shows fetal posterior cerebral artery.	٣٢

Fig (١٧)	MRA of the circle of Willis (axial and lateral projections)	٣٦
Fig (١٨)	Lateral anatomic diagram shows the external carotid artery and its branches	٣٧
Fig (١٩)	Selective external carotid artery angiogram (lateral view) showing its distal branches	٤١
Fig (٢٠)	Internal carotid angiogram (lateral view) (venous phase)	٤٥
Fig (٢١)	Left internal carotid angiogram (AP view) (venous phase)	٤٦
Fig (٢٢)	Common carotid angiogram (lateral view) (venous phase) showing superior anastmotic , superficial middle cerebral vein and inferior anastmotic vein	٤٨
Fig (٢٣)	Internal carotid angiogram (lateral view) (venous phase) showing the superficial cortical veins , superficial middle cerebral vein , cavernous sinus and pterygoid plexus	٤٩
Fig (٢٤)	Left internal carotid angiogram (AP view) (venous phase) showing inferior and straight sinuses , superior sagittal sinus , hypoplastic left transverse sinus and occipital sinus	٥٣
Fig (٢٥)	Anatomical and histopathological diagram shows detailed structure of an intracranial aneurysm	٥٦
Fig (٢٦)	Anatomical diagram depicts the typical locations of intracranial aneurysm	٥٩
Fig (٢٧)	Anatomical diagram depicts several types of cerebral vascular malformations	٦٨
Fig (٢٨)	Anatomical diagram shows typical cerebral AVM	٧٠
Fig (٢٩)	Illustrative case ١	١٢٦-١٣٠
Fig (٣٠)	Illustrative case ٢	١٣٢-١٣٦
Fig (٣١)	Illustrative case ٣	١٣٨-١٤٠
Fig (٣٢)	Illustrative case ٤	١٤٢-١٤٦
Fig (٣٣)	Illustrative case ٥	١٤٨-١٥٠
Fig (٣٤)	Illustrative case ٦	١٥٢-١٥٤
Fig (٣٥)	Illustrative case ٧	١٥٦-١٦٢
Fig (٣٦)	Illustrative case ٨	١٦٤-١٦٨
Fig (٣٧)	Illustrative case ٩	١٧٠-١٧٤
Fig (٣٨)	Illustrative case ١٠	١٦٧-١٨٢
Fig (٣٩)	Illustrative case ١١	١٨٤-١٨٦
Fig (٤٠)	Illustrative case ١٢	١٨٨-١٩٠
Fig (٤١)	Illustrative case ١٣	١٩٢-١٩٦

LIST OF ABBREVIATIONS

3D	Three dimensional
AP	Anteroposterior
AVF	Arteriovenous fistula
ADPKD	Autosomal dominant polycystic kidney disease.
AVM	Arteriovenous malformation
cAVF	Cerebral arteriovenous fistula
CBC	Complete blood picture
CCF	Carotid cavernous fistula
cm	Centimeter
CT	Computed tomography
CTA	Computed tomographic angiography
CVM	Cerebral vascular malformation
DMSO	Dimethyl sulfoxide
DSA	Digital subtraction angiography
DVA	Developmental venous anomaly
DWI	Diffusion weighted image
ECG	Electrocardiogram
EDS	Ehler Danlos syndrome.
EVOH	Ethylene vinyl alcohol copolymer
FLAIR	Fluid attenuation inversion recovery
FSE	Fast spin echo
ICA	Internal cerebral artery
ICP	Intracranial pressure
ICU	Intensive care unit
Kv	Kilo volt
LAO	Left anterior oblique
MA	Milliampere

MCA	Middle cerebral artery
MIP	Maximum intensity projection
mm	Millimeter
MRA	Magnetic resonance angiography
MRI	Magnetic resonance imaging
MTC	Magnetization transverse contrast
NBCA	N-butyl- γ -cyanoacrylate
NF- γ	Neurofibromatosis type γ
NPV	Negative predictive value
PC	Phase contrast
PPV	Positive predictive value
RAO	Right anterior oblique
RF	Radiofrequency
SAH	Subarachnoid hemorrhage
SD	Standard deviation
Sec	Second
SPSS	Statistical program for social science
SSD	Shaded surface display
T γ WI	T γ weighted image
T γ WI	T γ weighted image
TR	Time of repetition
TOF	Time of flight
VENC	Velocity encoding
VGAM	Vein of Gallen aneurismal malformation

INTRODUCTION & AIM OF THE WORK

ANATOMY

PATHOLOGY

TECHNIQUE

MATERIAL & METHODS

RESULTS & ILLUSTRATIVE CASES