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output:
  word_document: default
  html_document: default
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```

```
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output:
  word_document:
  html_document:
    css: style.css
  pdf_document: default
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```

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```
[**OPINION OF SPECIALIST**]{.underline}\
[**PART-1 PATIENT PARTICULARS**]{.underline}\
```

```
</p>
```

```
``{r echo=FALSE, message=FALSE, warning=FALSE, comment=NA, results = 'hide'}
knitr::opts_chunk$set(echo = FALSE, cache = TRUE)
library(dplyr)
library(kableExtra)
library(google sheets4)
library(janitor)
```

```
SPA<-
read_sheet("https://docs.google.com/spreadsheets/d/15NQFSyAm5UR8tdNsmv7qPgXnn4-
YSTM8LKsUwFd7WdM/edit?usp=sharing", na="NA")
```

```
str(SPA, results = FALSE)
dim(SPA)
names(SPA)
table(SPA$Opinion)
SPA<-clean_names(SPA)
names(SPA)
```

```
PartII_info<-dplyr::filter(SPA, opinion=="443")
Opinion<-PartII_info$opinion
Name<-PartII_info$name
Rank<-PartII_info$rank
SerNo<-PartII_info$ser_no
Age<-PartII_info$age
Gender<-PartII_info$gender
```

Unit<-PartII_info\$unit
Service<-PartII_info\$service
Contact<-PartII_info\$contact
Disability<-PartII_info\$disability
Onset<-PartII_info\$onset
PresentCat<-PartII_info\$present_category
LoA<-PartII_info\$location_of_onset
IP1<-PartII_info\$initial_presenting_feature_1
IP2<-PartII_info\$initial_presenting_feature_2
PastIBP<-PartII_info\$past_ibp
PastPA<-PartII_info\$past_peripheral_arthritis
PastAAU<-PartII_info\$past_aau
PastSacro<-PartII_info\$sacroiliitis_on_xray
PastSacroMRI<-PartII_info\$sacroiliitis_on_mri
PastHLA<-PartII_info\$hla_b27_status
DMARD<-PartII_info\$cs_dmar_ds
BRM<-PartII_info\$biologic_dmard
Allergy<-PartII_info\$any_allergy_or_intolerance
PC<-PartII_info\$present_problem
Pulse<-PartII_info\$pulse
BP<-PartII_info\$bp
Pallor<-PartII_info\$pallor
Icterus<-PartII_info\$icterus
PE<-PartII_info\$pedal_edema
LN<-PartII_info\$lymph_nodes
Club<-PartII_info\$clubbing
Skin<-PartII_info\$skin
Eyes<-PartII_info\$eyes
Gait<-PartII_info\$gait
Arms<-PartII_info\$ul_arthritis_deformity
Legs<-PartII_info\$ll_arthritis_deformity
Enthesitis<-PartII_info\$enthesitis
Dactylitis<-PartII_info\$dactylitis
Spine<-PartII_info\$spine_sij_tenderness
MS<-PartII_info\$modified_schobers_test
CE<-PartII_info\$chest_expansion
TTW<-PartII_info\$tragus_to_wall_distance
LF<-PartII_info\$lateral_flexion
IMD<-PartII_info\$inermalleolar_distance
CR<-PartII_info\$cervical_rotation
Chest<-PartII_info\$chest
CVS<-PartII_info\$cvcs
CNS<-PartII_info\$cnscns
Abdo<-PartII_info\$abdomen
Hb<-PartII_info\$hb
TLC<-PartII_info\$tlc
Plt<-PartII_info\$platelets

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ESR<-PartII_info$esr
CRP<-PartII_info$crp
Cr<-PartII_info$creatinine
AST<-PartII_info$ast
ALT<-PartII_info$alt
Xpelvis<-PartII_info$xray_pelvis_sapa_view
XLspine<-PartII_info$xray_lumbar_spine
XCspine<-PartII_info$Xray.Cervical.spine
Xhip<-PartII_info$xray_hip_joints
MRISIJ<-PartII_info$mri_si_joints
MRIHip<-PartII_info$MRI.hip.joints
HLA<-PartII_info$hla_b27
OtherTest<-PartII_info$any_other_tests
BASDAI<-PartII_info$basdai
BASFI<-PartII_info$basfi
ASDASESR<-PartII_info$asdas_esr
ASDASCRP<-PartII_info$asdas_crp
Diag<-PartII_info$diagnosis
Impr1<-PartII_info$impression_1_disease_activity
Impr2<-PartII_info$impression_2_deformities
Impr3<-PartII_info$impression_3_function
EAM<-PartII_info$eam
NSAID<-PartII_info$nsaid
Drug1<-PartII_info$drug_1
Drug2<-PartII_info$drug_2
Dose1<-PartII_info$dose_1
Dose2<-PartII_info$dose_2
Cat<-PartII_info$medical_Class

```

```

'''

```

```

|          |          |          |          |
|-----|-----|-----|-----|
| Ser No: `r SerNo` | Rank: `r Rank` | Name: `r Name` | Age: `r Age`
yrs |
| Unit: `r Unit` | Gender: `r Gender` | Service: `r Service` |
[Previous category details:]{.underline}

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| Disability | Onset | Present category |
|:-----|:-----|:-----|
| `r Disability` | `r Onset` | `r PresentCat` |

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[**Part II - CLINICAL ASSESSMENT**]{.underline}

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1. History:

(a) Location of onset/detection: LoA

(b) Relevant history:

Initial Presentation: The individual became symptomatic initially with IP1 (IP2). He was diagnosed as a case of Diag on the basis of

Past history:

Inflammatory back pain: PastIBP

Peripheral arthritis: PastPA

Uveitis: PastAAU

Evidence of Sacroiliitis: X-ray: PastSacro MRI: PastSacroMRI

HLA B27 status: PastHLA

Conventional DMARDs taken: DMARD

Biologic DMARD taken: BRM

History of any allergy/adverse effect/intolerance to any conventional or biologic DMARD: Allergy

Present status: He has presented for review and recategorization and he is presently complaining of PC

General Examination:

Pulse: Pulse per minute BP: BP mm of Hg

Pallor: Pallor Icterus: Icterus Pedal Edema: PE

Lymphadenopathy: LN Clubbing: Club

Skin and Nails: Skin

Eye examination: Eyes

Musculoskeletal System:

Gait: Gait

Upper limbs: Arms

Lower Limbs: Legs

Spine and SI joint tenderness: Spine Enthesitis: Enthesitis Dactylitis: Dactylitis

Metrology:

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Schober's test (cm)	Lat Flexion (cm)	Intermalleolar Distance (cm)	Cervical rotation (degree)	Chest Expansion (cm)	Tragus to wall distance	
`r MS`	`r LF`	`r IMD`	`r CR`	`r CE`	`r	
TTW`						

Systemic Examination:

CVS: CVS Chest: Chest CNS: CNS Abdomen: Abdo

Investigations:

Hb: `r Hb` g/dl, TLC: `r TLC`/mm ³	ESR: `r ESR` mm fall 1st hr, CRP: `r CRP` mg/l
AST: `r AST` IU/L, ALT: `r ALT` IU/L Creatinine: `r Cr` mg/dl	HLA B27: `r HLA`
X-ray Pelvis SAPA view: `r Xpelvis`	X-ray lumbar spine: `r XLspine`
X-ray cervical spine: `r XCspine`	X-ray hip joints: `r Xhip`
MRI SI joints: `r MRISIJ`	MRI hip joints: `r MRIHip`
Any other test: `r OtherTest`	

[Disease activity:**]{.underline} **BASDAI:** `r BASDAI` **BASFI:** `r BASFI` **ASDAS-CRP:** `r ASDASCRP` **ASDAS-ESR:** `r ASDASESR`**

[DIAGNOSIS:**]{.underline} `r Diag`**

****ICD Code:****

****ICD Diagnosis:****

****Present disease activity:** `r Impr1`**

****Deformities:** `r Impr2` **Extra-articular manifestations:** `r EAM`****

He will require observation in low medical category.

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[PART III - TREATMENT UNDERTAKEN/ADVICE**]{.underline}**

(The summary of medical treatment or surgery/procedures performed and medical advice given)

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\$\$\$\$Tab `r NSAID` (with food)\

\$\$\$\$Tab `r Drug1` `r Dose1`\

\$\$\$\$Tab `r Drug2` `r Dose2`\

\$\$\$\$Tab Calcium 500mg OD\

\$\$\$\$Sachet Vitamin D3 60,000 IU once monthly\

\$\$\$\$Physiotherapy: Deep breathing and spinal mobility exercise.\

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[PART IV -- RECOMMENDATIONS**]{.underline}**

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1. ****Medical classification recommended:****

\$~\$(a) ****Medical classification:** `r Cat`**

\$~\$(b) ****Disability profile:** `r Diag`**

2. ****Medical recommendations and employability restrictions:****

\$(a) Unfit for BPET, HAA/ECC areas. Avoid night duties in winters, duties involving vigorous physical exertion and prolonged standing.\

\$(b) Monthly MOPD review. Quarterly ESR, CRP, CBC, LFT and RFT test.\

\$(c) Next recat at dependent rheumatology centre.\

\$(d) Next review at dependent rheumatology centre:\

3. **Any other advice (with justification):** Nil

Place: AH RR, Delhi Cantt\

Date:

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Ser No.: `r SerNo`	Rank: `r Rank`	Name: `r Name`	Age: `r Age`
yrs			
Unit: `r Unit`	Gender: `r Gender`	Service: `r Service`	

IMPAIRMENT ASSESSMENT SHEET{.underline}\

Diagnosis: `r Diag`\

Assessment of mobility of spine:

Spinal level	Metrology	Measurement	Impairment %
Cervical spine	Degree of lateral rotation (degree)	\>40	Nil
	26-40	05	
	11-25	10	
	0-10	20	
Dorsal spine	Chest expansion (cm)	\>4	Nil
	3-4	05	
	2-3	10	
	1-2	15	
	\<1	20	
Lumbar spine	Modified Schober's (cm)	\>4	Nil
	3-4	05	
	2-3	10	
	1-2	15	
	\<1	20	
Dorsal Kyphosis	Tragus to wall distance (cm)	\>15	Nil
	15-20	5	
	\>20	20	

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