Output string

String VPSRG\_HN\_track

// this string will get the text reporting for import on VPSRG Head and Neck case-tracking sheet V2.xlsm.

// First three columns and fifth cannot be populated

// Col D Patient ID

//Col F(6th) - Specific H&N anatomy gets course Id as normal practice at ALCC

// following 4 cols (G-J) cannot be populated

//Col K(treat. start day) cannot be populated but indication is written if treated or not

// Col L: # dose levels (equals # of PTV structures)

// Getting all the non-empty structures that contains "ptv" and not contains "ip"

// Col M: Prescr. dose (in the units used in plan)

// Col N: Percent isodose prescribed

// Col O: Total MU

// Col P: IMRT or VMAT, following Col Q cannot be populated, skipping Col R

// Col S: Brainstem (Dmax)

// Getting all non-empty structures containing "stem" (case insensitive)

// Col T: Cord (Dmax)

// Getting all non-empty structures containing "cord" and NOT "prv" nor "ip"

// Col U: Cord PRV (Dmax)

// Getting all non-empty structures containing "cord" AND "prv" or "ip"

// Col V: Larynx (Dmean)

// Getting all non-empty structures containing "larynx"

// Inner ear Lt and Rt

// Getting all the structures containing "ear"

// COl W: Inner ear Lt (Dmax)

// Getting the ones containing “l”

// COl X: Inner ear Rt (Dmax)

// Getting the ones NOT containing “l”

// Lens Lt and Rt

// Getting all the structures containing "lens"

// COl Y: Lens Lt (Dmax)

// Getting the ones NOT containing “r”

// COl Z: Lens Rt (Dmax)

// Getting the ones containing “r”

// Mandible

// Getting all the structures containing "mandible"

// Col AA: Dmax, Col AB: V{TotalDose} [%]

// Col AC: Optic Chiasm (Dmax)

// Getting all the structures containing "chiasm"

// Optic Nerve Lt and Rt

// Getting all the structures containing "optic" and "nerve"

// COl AD: Optic Nerve Lt (Dmax)

// Getting the ones containing “l”

// Col AE: Optic Nerve Rt

// Getting the ones NOT containing “l”

// Col AF: Oral Cavity (Dmean)

// Getting all the structures containing "oral" and "cav"

// Parotids

// Getting all the structures containing "parotid"

// COl AG-AI: Parotid Lt: Dmean, V30Gy[%], V20Gy[cm3]

// Getting the ones containing “l”

// COl AJ-AL: Parotid Rt Dmean, V30Gy[%], V20Gy[cm3]

// Getting the ones NOT containing “l”

// Col AM: Pharyngeal constrictor (Dmean)

// Getting all the structures containing "pharyn"

// Subman Lt and Rt

// Col AN-AO: Subman is has not metric defined, decided for **Dmean**

// Getting all the structures containing "subman"

// COl AN: Subman Lt (Dmean)

// Getting the ones containing “l” (name cut “mandibular”)

// COl AO: Subman Rt (Dmean)

// Getting the ones NOT containing “l” (name cut “mandibular”)

// Mass Muscle Lt and Rt

// Getting all the structures containing "mass" and "muscle"

// COl AP: Mass Muscle Lt

// Getting the ones NOT containing “r” (name cut “eter”)

// COl AQ: Mass Muscle Rt

// Getting the ones containing “r” (name cut “eter”)

// Col AR: Brachial Plexus (Dmean)

// Getting all the structures containing "brach"

// Col AS is empty!!

// PTVs Sorting them by dose written in name

// Getting all the structures containing "ptv" and NOT "ip"

Then searching digits on name for getting dose: if only 2 the High and Low

// PTV high

// Col AT: D\_2% [Gy]

// Col AU: V95% [%]

// Col AV: D\_Mean [Gy]

// PTV Int

// Col AW: V95% [%] 95% of its own dose (from name)

// Col AX: D\_Mean [Gy]

// PTV Low

// Col AY: V95% [%] 95% of its own dose (from name)

// Col AZ: D\_Mean [Gy]