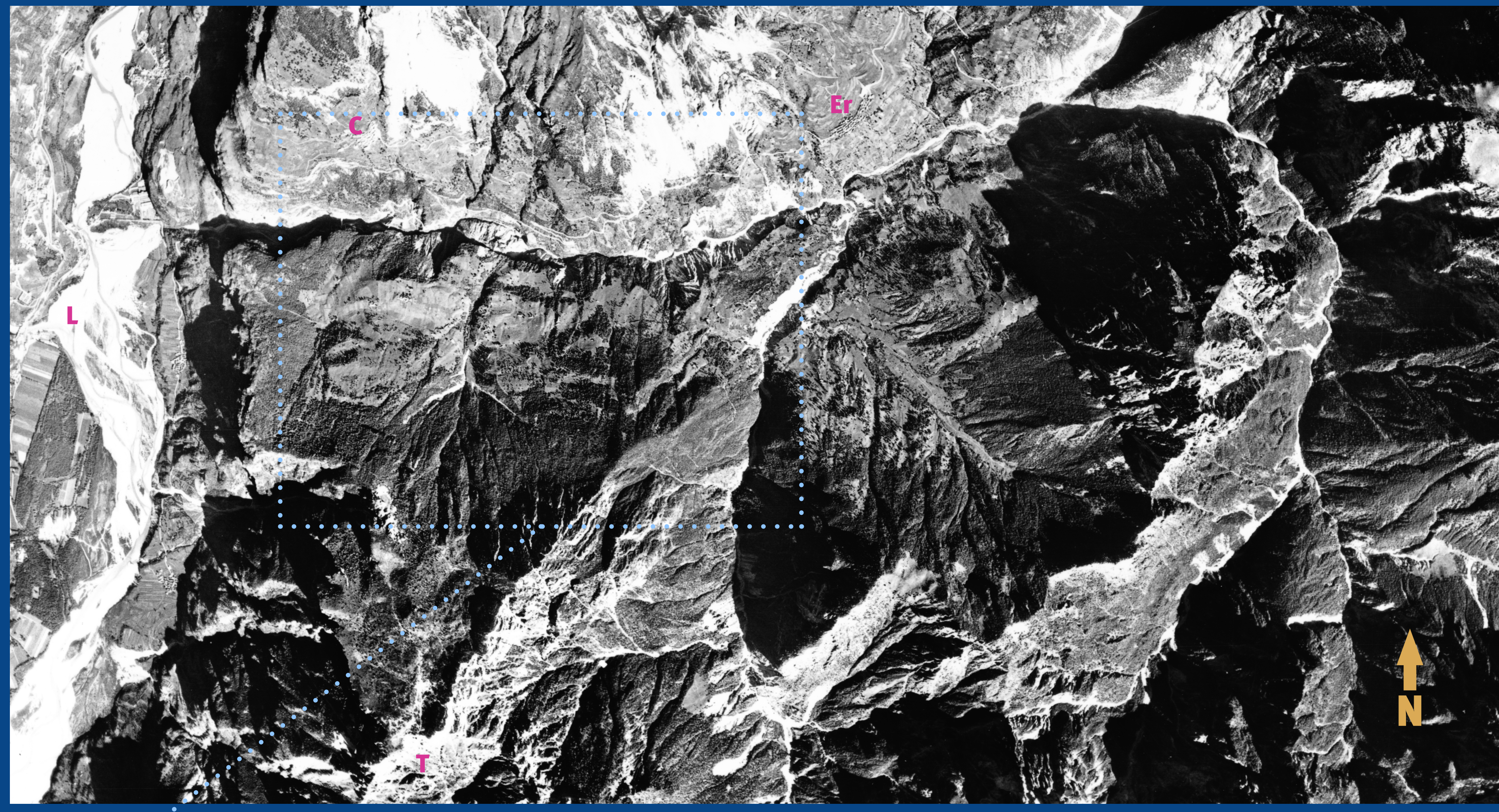
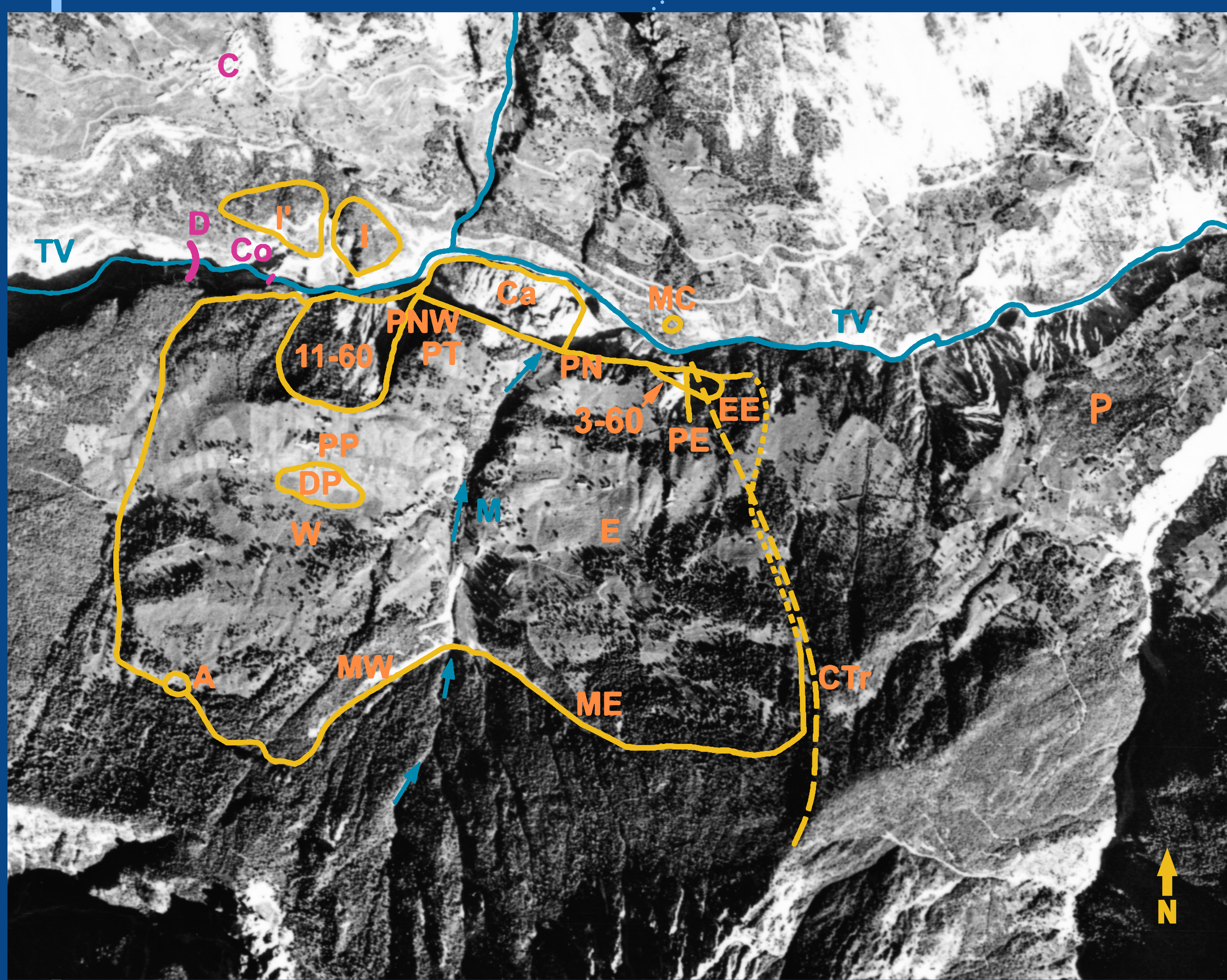


## Morphology of the Vaiont Valley: aerial photograph of 1954

**5 - Aerial photograph of the Toc paleolandslide and surrounding area**  
Istituto Geografico Militare, 1954  
(authorization n. 5357 on 30 March 2001)



This aerial photograph was not available to Giudici and Semenza at the time of their research. In the enlargement below, the main elements that are more or less clearly visible in the picture at the right have been drawn, with some of the abbreviations used in figure 16 of "The Story of Vaiont".



The morphological differences between the undulating paleolandslide area (outlined) and surrounding smoother areas to the west and south where the stable Vaiont Limestone is exposed are evident in this photograph. Along the eastern edge, the morphological evidence is less clear. Note the channel of Massalezza Stream (M), indicated by arrows, within the paleolandslide mass and its two feeders (or branches). Note also the channel of the Vaiont Stream (TV), a major part of Pineda hill (P), Erto (Er), the Piave Valley and Longarone (L).

Other symbols:

**Outside of the landslide:**

- C Casso;
- Co Ponte del Colombè
- CT Fault of Col Tramontin (dashed line, partly covered by EE)
- D Dam
- T Monte Toc

**Details of the paleolandslide:**

- A Hollow at 1110 m of altitude
- Ca Castelletto
- DP Depression of Pian della Pozza
- E Eastern portion (east of Massalezza)
- EE Eastern expansion, extending beyond the niche of the paleolandslide
- I Colle Isolato
- I' Mass similar to Colle Isolato
- M Massalezza Stream
- MC Little mass, similar to Colle Isolato, near the bridge for Casso
- ME Eastern branch of Massalezza
- MW Western branch of Massalezza
- PE Eastern Wall
- PN Northern Wall
- PNW Northwest Wall of Pian del Toc
- PP Pian della Pozza
- PT Pian del Toc
- W Western portion (west of Massalezza)
- 3-60 Landslide of March 1960
- 11-60 Landslide of November 4, 1960

**B - Carta geologica del versante settentrionale del M. Toc e zone limitrofe prima del fenomeno di scivolamento del 9 ottobre 1963**  
(Geological map of the northern slope of Monte Toc and the surrounding areas before October 9, 1963)

Daniele Rossi and Edoardo Semenza 1965, 1986 updated edition

